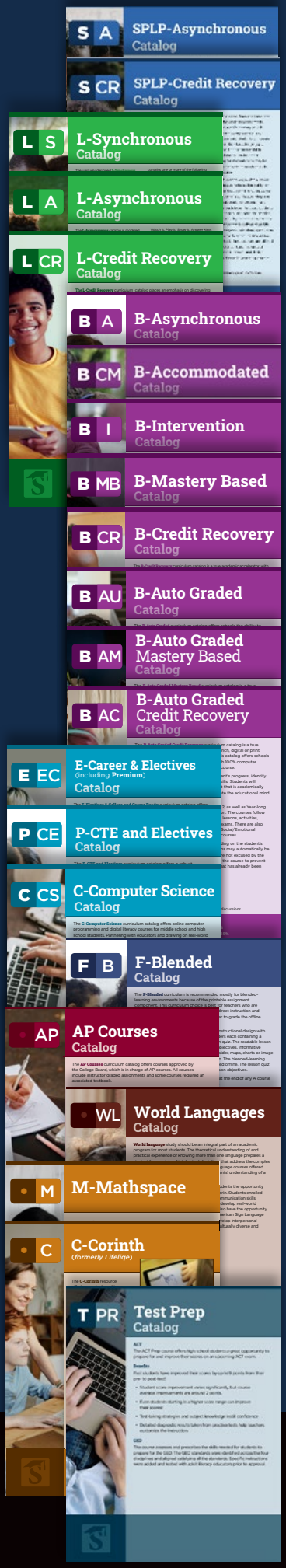
SchoolsPLP

Personalized Learning At Its Best

Trusted, Accredited & Approved eLearning **Solutions**

PK-12th GRADE 24/25 Course Descriptions

Perfect for virtual schools, textbook replacement, and learning loss



revised 04.24.2024

visit us at **SchoolsPLP.com**

K-12 Virtual Instruction Options

SchoolsPLP offers a turnkey virtual instruction program to assist with specialized scheduling needs. Whether the student needs a full-time online program, part-time solution, or temporary stop-gap option, **SchoolsPLP**, and our highly qualified teachers are here to help!

Standard Instruction includes:

Highly Qualified Teachers

Duties include monitoring student progress, grading assignments, individual virtual teaching sessions as needed, and responding to messages within 24 hours (Monday – Friday).

Program Coordinators

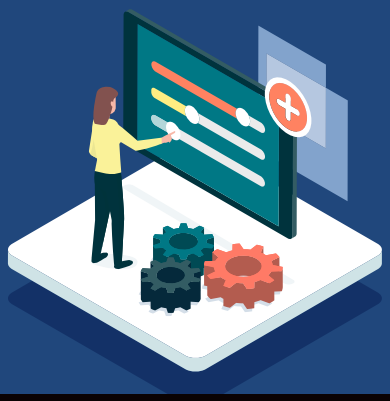
Duties include encouraging the student to succeed, daily monitoring of student progress, daily messages with the student, communication with teachers and stakeholders as needed, and responding to messages within 24 hours (Monday – Friday).

Site Coordinators

Duties include collaboration with on-site proctors and district staff to ensure the virtual instruction program is successful. Create plans for students who may be struggling and offer other support strategies for student success and academic achievement.

Synchronous Instruction Add-On includes:

- Teacher synchronous sessions based on the district's needs. The highly qualified teacher will have regular conversations with the onsite proctor, the district staff, and students in the classroom.
- Typical synchronous sessions last one-hour where the teacher has approximately 20 minutes of direct instruction and 40 minutes independent learning time. During independent learning time, the teacher will assist individual students.



Student and **Staff Success Packages**

Student Success Package

SchoolsPLP Classified Staff Member(s) will:

- **Send messages to administration** regarding students that fall under the Disengagement, Behind Pace, Far Behind Pace, and Failing categories.
- **Send internal messages to students** for positive reinforcement and encouragement.
- **Reset lessons, quizzes, and tests one time** when requested by the student; further assistance will require local teacher intervention.
- **Communicate with the local instructor(s)** when students request help or need intervention.
- **Send weekly progress reports** to administration.

Staff Success Package

SchoolsPLP Virtual Services Staff Member(s):

- **Provide unlimited virtual professional development** for school staff members.
- **Enroll students** in SchoolsPLP.
- **Enroll staff members** in SchoolsPLP.
- **Add Courses** in SchoolsPLP.
- **Assign students** to SchoolsPLP curriculum.
- **Send weekly progress reports** to administration.

SchoolsPLP

We bring multiple curricula & instructional designs to a single easy-to-use interface.

We offer tailored plans & courses benefiting both students and staff.

We provide curriculum choice allowing educators to choose the level of rigor, components, and assignments.

visit us at **SchoolsPLP.com**
hello@schools**plp**.com

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SPLP-Asynchronous Catalog

The **SPLP-Asynchronous** curriculum catalog model is the cutting-edge in curriculum design. Each course was authored by highly qualified educators from the ground up. Starting with course objectives and designing lessons to meet the ever-changing needs of 21st century learners.

Each lesson begins with a lesson starter and lesson objectives to activate students' prior knowledge and set them up for success. Direct instruction integrates engaging videos alongside easy-to-read text to grab students' attention and expose them to new learning content. Guided notes are also built into each lesson to assist students in gathering main ideas from the instruction and transferring that knowledge into concrete concepts. Independent practice is also part of the lesson design to allow students the opportunity to practice what they have learned and check for understanding. Lesson assignments add further practice and give students the ability to submit responses in several ways to meet various learning styles. Students can type, draw, insert images, create video clips or recordings, and/or attach a variety of file types. Each lesson culminates with a Lesson Refresher that is written at an 8th grade reading level to give students an easy-to-read and easy-to-understand conclusion. An optional Summary/Reflection is included for students to respond to the learning and make connections to their own lives.

Concept mastery is then tested by computer-graded assessments. Each lesson and assessment settings include the ability for students to access the text-to-speech, highlighter, and answer eliminator tools, a print function, as well as an area to take notes. These courses are offered as semesters 1 and 2 or as a year-long course. Each semester contains five units of instruction. These courses follow a consistent instructional design containing lessons, assignments, summary/reflections, unit tests, final exams, and midterms in year-long courses.

Hidden Items (if applicable)

Activities hidden to ensure catalog meets the described goal. Activities can be previewed and unhidden at any time.

Default Weights*

Pretests 0%
Unit Tests 45%
Exams 15%
Lessons 10%
Guided Notes 10%
Assignments 10%
Summary/Reflection 10%

*Weights can easily be adjusted to teacher's preference

SPLP-Asynchronous

Middle School

A–G approved

Middle School (continued)

Civics

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

This comprehensive Civics course for middle school students is designed to introduce and deepen understanding of the principles, structures, and functions of government in the United States, as well as the rights and responsibilities of citizens. Spanning a full academic year, the course is divided into 10 thematic units, each consisting of 9 modules that explore different facets of Civics and government. Through engaging, interactive lessons, students will explore the foundations of government, the Constitution, the three branches of government, civil rights, state and local government, public policy, the economy, media influence, and the importance of civic engagement.

Earth and Space Science

GRADE 6, 7, 8 Science S1 | S2 | YEAR

Embark on an exhilarating journey through the realms of Earth and Space Science, a course meticulously crafted for the curious minds of middle school students. This adventure begins with the essentials of scientific inquiry and methods, laying the foundation for a deeper understanding of both Earth and Space Sciences. Students will delve into the intricacies of our planet, exploring the geosphere, hydrosphere, and atmosphere, and uncovering the vast opportunities and careers these fields offer. The exploration extends beyond our terrestrial confines to the wonders of our solar system and the boundless expanse of the universe, sparking curiosity about the endless possibilities in space science.

English 6

GRADE 6, 7, 8 ELA S1 | S2 | YEAR

This course overview is designed to provide a comprehensive guide for teachers embarking on the journey of teaching Grade 6 English Language Arts (ELA). The curriculum is structured into ten units, each focusing on vital areas of ELA to ensure a holistic development of students' language skills while meeting the Common Core Standards for English Language Arts.

English 7

GRADE 6, 7, 8 ELA S1 | S2 | YEAR

This Middle School English Language Arts (ELA) course is designed to cover a wide range of literacy skills and content areas over ten comprehensive units. Each unit is structured to develop students' reading, writing, speaking, and listening abilities, aligning with Common Core State Standards. The course aims to foster a deep appreciation for literature, enhance critical thinking skills, and encourage creative expression.

English 8

GRADE 6, 7, 8 ELA S1 | S2 | YEAR

This comprehensive 8th Grade ELA course is designed to engage students in a wide range of literary genres and communication skills, preparing them for high school and beyond. Throughout the course, students will explore classic and contemporary texts, develop critical thinking and analytical skills, and enhance their ability to communicate effectively in various formats.

Geography

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

This comprehensive middle school geography course is designed to travel across the vast landscapes of our planet, explore the intricate tapestry of human societies, and evaluate the relationship between natural environments and human activities. Spanning 10 units with 9 lessons each, the course embarks on a journey from the foundational concepts of geography and map skills to the pressing global issues shaping the future of our planet.

Life Science

GRADE 6, 7, 8 Science S1 | S2 | YEAR

Welcome to an engaging and exploratory journey through the fascinating world of Life Science! This course is designed to ignite curiosity, foster a deep understanding of life at various levels, and encourage a hands-on approach to learning about the living world around us. As we embark on this adventure, we'll dive into the foundational concepts of life science, exploring the intricacies of living organisms, their environments, and the complex interactions that sustain life on Earth.

continued

SPLP-Asynchronous

Middle School

A–G approved

Middle School (continued)

Math 6

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

Embarking on Math 6 marks a crucial transition from elementary concepts to the complexities of secondary mathematics. Our entirely online course, meticulously designed by experienced Math 6 educators, bridges this gap with a comprehensive curriculum delivered through engaging scripted video lessons. These lessons, integrated with interactive assessment questions, ensure that learning transcends traditional memorization, fostering a deep understanding of mathematical principles. Our approach leverages the flexibility and accessibility of digital learning, enabling students to explore essential topics such as Ratios, The Number System, and Geometry at their own pace, while also emphasizing real-world applications to make math both relevant and exciting.

Math 7

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

Welcome to 7th Grade Mathematics! This course is designed to provide students with a comprehensive understanding of key mathematical concepts and skills aligned with the Common Core State Standards (CCSS) for 7th grade. Throughout the course, students will explore a wide range of topics, including ratios, proportional relationships, expressions, equations, inequalities, geometry, data analysis, probability, and foundational concepts for transitioning to 8th-grade mathematics.

Math 8

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

Embarking on 8th-grade mathematics marks a significant milestone in your academic journey, where you transition from elementary concepts to more complex mathematical principles. Our comprehensive online course, meticulously crafted by seasoned educators, aims to guide you through this transition seamlessly while setting a solid foundation for your future high school mathematics endeavors. Through a series of engaging video lessons, interactive assessments, and real-world problem-solving scenarios, we strive to cultivate a deep understanding of mathematical principles while making learning enjoyable and accessible.

Physical Science

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

In this dynamic physical science unit, students will embark on an immersive journey through fundamental concepts and cutting-edge innovations in the realms of forces, energy, waves, and transportation. From exploring the principles of motion in sports science to delving into the intricate world of electromagnetism in transportation technologies, students will engage in hands-on activities, interactive discussions, and real-world applications to deepen their understanding of the physical world and its impact on modern society.

U.S. History

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

This proposed U.S. History course for middle school aims to offer students a comprehensive understanding of the nation's past. Over the course of the school year, students will delve into the captivating stories, influential figures, and pivotal events that have shaped the United States from its founding to present day. This enriching course will provide students with a robust understanding of American history, culture, and societal development with a focus on critical analysis, understanding historical contexts, and recognizing the complexity of historical events and their impacts. The course is designed around 10 units, each comprising 9 lessons, to cover significant periods, themes, and events in American history.

continued

SPLP-Asynchronous

High School

A–G approved

Alegbra 1

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra 1 is a comprehensive, yearlong course that lays the foundational concepts for all future mathematics courses. It covers ten units including the foundations of algebra, linear equations, functions, polynomials, and more complex topics like exponential functions, as well as sequences and series. Students will learn to apply algebra to real-world situations, translating them into algebraic expressions and solving various equations and inequalities. The course emphasizes practical applications and in-depth understanding of algebraic principles, such as graphing linear and quadratic equations, working with functions, and exploring the properties of polynomials and rational expressions.

Alegbra 1

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

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Art History

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This Art History course will introduce high school students to the fascinating world of art, spanning various periods and cultures. Through the exploration of significant artworks and movements, students will develop an understanding of the evolution of art and its influence on societies throughout history. The course will include interactive discussions, visual analysis, and hands-on activities to engage students in critical thinking and creative expression.

Biology

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

The high school Biology course offers an exploration of life sciences, beginning with an introduction to biology and scientific methodologies, followed by in-depth studies of cell biology, genetics, and heredity. Students will learn about evolutionary biology and natural selection, gaining an understanding of the mechanisms that drive life's diversity and complexity. The course also covers ecology, where students learn about ecosystems, biodiversity, and human impacts on the environment. Human biology and physiology are explored, providing insights into body systems and their functions. The course includes studies of biochemistry, plant biology, microbiology, and the interconnectedness of Earth's systems with biology.

Career Preparation

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This high school career preparation course is designed as a comprehensive journey, guiding students through the intricacies of self-discovery, career exploration, and the development of essential skills for the workplace and beyond. As the educator leading this voyage, you'll be equipped with a curriculum that not only addresses the practicalities of job searching and workplace dynamics but also delves deeply into the personal growth and self-awareness necessary for students to forge their own paths in the world.

Chemistry

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

The high school Chemistry course offers an in-depth study of chemical principles, starting with an introduction to chemistry, atomic structure, and periodic trends. Students explore chemical bonding, along with molecular geometry and polarity. The course delves into chemical reactions, stoichiometry, thermochemistry, and the laws governing chemical processes, equipping students with an understanding of chemical interactions and reactions. Advanced topics such as gas laws, solutions, solubility, electrochemistry, and organic chemistry are covered, providing insights into both theoretical and practical aspects of chemistry.

continued

High School

A–G approved

High School (continued)

Earth and Space Science

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Welcome to High School Earth and Space Science! This course is designed to provide students with a comprehensive understanding of Earth and space systems, exploring topics ranging from geological processes to celestial mechanics. Utilizing the Next Generation Science Standards (NGSS), students will engage in hands-on activities, scientific inquiry, and critical thinking to deepen their understanding of the natural world and humanity's place within it.

Economics

GRADE 9, 10, 11, 12 Social Studies SEM

The High School Economics course, designed for a semester, encompasses five units, blending foundational concepts. Unit 1 introduces economics, focusing on supply and demand principles. Microeconomics is the focus of Unit 2, discussing market types, business organizations, production costs, profit maximization, labor markets, income distribution, government regulation, market failures, and public and common goods. Unit 3 shifts to macroeconomics, exploring GDP, business cycles, unemployment, inflation, fiscal and monetary policies, the Federal Reserve, international trade, and exchange rates. Personal Finance Economics in Unit 4 teaches budgeting, saving, investing, credit, loans, taxes, insurance, retirement planning, risk management, financial markets, and economic indicators. Finally, Unit 5 delves into special topics like behavioral economics, environmental economics, and the economics of education.

ELA 1

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

The ELA 1 course is an in-depth exploration of English language and literature, designed to build a strong foundation in grammar, language mechanics, and literary analysis. Starting with a focus on grammar and language mechanics, students learn about parts of speech, sentence structures, and effective use of punctuation, ensuring a strong grasp of written English. The course then covers literary elements through the study of various genres, including short stories, poetry, drama, and global literature. Students also engage with informational texts and argumentation, developing skills in critical analysis, persuasive writing, and media literacy.

ELA 2

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

ELA 2 covers a wide range of language arts skills, including reading, writing, literature, drama, poetry, argumentation, and media literacy. The course is structured into ten units, each focusing on different aspects such as storytelling elements, literature analysis, nonfiction texts, research methodologies, and drama and poetry analysis. Students will develop an understanding of narrative and argumentative writing, enhance their skills in informational text analysis, and learn effective research and presentation techniques.

ELA 3

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

ELA 3 is an advanced English Language Arts course designed for high school juniors and seniors, focusing on American literature from its early beginnings to contemporary works. The course is structured into ten units, including Romanticism, Transcendentalism, Realism, Naturalism, Modernism, the Harlem Renaissance, Post-War and Contemporary Literature, as well as Poetry, Song, and Dystopian Literature. Students engage in critical reading, writing, and rhetorical analysis. The course emphasizes language mechanics, the power of rhetoric, character and narrative analysis, and the exploration of various thematic and cultural contexts.

ELA 4

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

ELA 4 is a comprehensive high school course focusing on British Literature. Throughout ten units, students explore key periods in British literature, from the Medieval era to Modernism, understanding the historical and cultural contexts that shaped these literary works. The course emphasizes skill development in textual analysis, argumentative writing, critical thinking, and research, with exposure to a diverse range of classic and modern texts. Students will enhance their vocabulary and language skills through literary analysis and explore themes such as religion, identity, social change, and globalization.

continued

High School

◉ A–G approved

High School (continued)

Environmental Science ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

The Environmental Science course offers a comprehensive look at the planet's ecosystems, biodiversity, and the human impact on the environment. Students will cover the fundamentals of ecology, the importance of biodiversity, and the challenges facing natural resources, including water, soil, and mineral conservation. The course covers atmospheric science, emphasizing climate change, greenhouse effects, and strategies for mitigation and adaptation. Additional units focus on the hydrosphere and geosphere, exploring water and land pollution, waste management, and the importance of recycling.

Financial Literacy ◉

GRADE 9, 10, 11, 12 Electives SEM

This one-semester Financial Literacy course for high school students is designed to provide students with essential skills and knowledge for making sound financial decisions. Beginning with an introduction to personal finance, students learn about income types, taxes, job benefits, and financial planning. The course progresses to cover consumer behavior, budgeting, and smart purchasing, including understanding loans, credit scores, and effective debt management. A significant focus is placed on saving and investing, where students explore savings accounts, compound interest, and investment vehicles like stocks and bonds.

Geometry ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Embark on a geometric journey that unveils the beauty and precision of spatial reasoning with our comprehensive Geometry course. From the foundational principles of Euclidean geometry to the intricacies of trigonometric relationships and solid figures, this course equips students with the tools and techniques necessary to explore and analyze the world of shapes and spatial structures.

Health ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Welcome to an exhilarating journey into the realm of health education! This dynamic health course transcends the ordinary, offering a thrilling exploration of the human body, mind, and the intricate interplay between them. Delve into cutting-edge insights on nutrition, exercise, mental well-being, and holistic health practices. Engage in hands-on activities, real-world case studies, spirited discussions, and service learning that bring health science to life. Unleash your inner investigator as we tackle contemporary health challenges, empowering you with the knowledge and skills to make informed choices for a vibrant and fulfilling life. This isn't just a course; it's a transformative experience where you'll discover the secrets to unlocking your optimum health potential. Get ready to embark on an exciting adventure toward a healthier, happier you!

Integrated Math 1 ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Integrated Math 1 provides a comprehensive foundation in algebra, geometry, and trigonometry, emphasizing connections between mathematical concepts and real-world applications. Through a series of structured units, students will develop essential problem-solving skills, mathematical reasoning, and critical thinking abilities. The course progresses from fundamental algebraic concepts to more advanced topics like functions, geometry, and quadratic equations.

Integrated Math 2 ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Integrated Math II is designed to build upon the mathematical concepts introduced in Integrated Math I, focusing on exponential and logarithmic equations and functions, polynomials, radicals and complex numbers, matrices, angles, congruence and similarity, sequences and series, probability, statistics, and triangles. Students will develop critical thinking and problem-solving skills as they explore these topics and their applications in real-world scenarios. The course emphasizes the development of mathematical fluency, reasoning, and communication skills necessary for success in higher-level mathematics courses and everyday life.

continued

SPLP-Asynchronous

High School

A–G approved

High School (continued)

Integrated Math 3

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Welcome to Advanced Integrated Mathematics III! This course is designed to provide students with a comprehensive understanding of advanced mathematical concepts and their real-world applications. Throughout this course, students will explore topics ranging from geometric relationships and measurements to advanced algebraic concepts, including functions, trigonometry, vectors, complex numbers, and conic sections.

Physical Education

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Each unit integrates engaging core concepts and exciting real world scenarios with practical skills and applies an exercise model to design effective fitness programs for students. This includes, Interactive fitness activities, a dive into nutrition and how it correlates with exercise, as well as innovative approaches to seeing fitness as a positive lifelong journey. This glimpse into lifelong fitness, includes an opportunity for students to calculate and monitor heart rate, understand the cardiovascular system and the importance of stretching and mobility as well as highlights the constructive role of sport participation and how it is related to fostering personal development and community involvement. By incorporating these concepts in a cohesive manner, the course ensures holistic development, wellness enhancement, and an opportunity to look at fitness as a crucial long-term health benefit.

Physical Science

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Embark on a thrilling journey into the dynamic realm of Physical Science, where the fascinating intersections of Physics, Chemistry, and Earth and Space Science await exploration! Our learning adventure kicks off by revisiting essential skills in Science and Math, providing a solid foundation for the exciting units that follow. Each step in this course is a building block, seamlessly incorporating key concepts and hands-on experiences to deepen your understanding. Join us in unraveling the mysteries of the physical world and forging connections between diverse scientific disciplines. Get ready for an engaging and enriching exploration that sparks curiosity and fuels a lifelong passion for understanding the wonders of the universe! Welcome to the captivating world of Physical Science!

Physics

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

This captivating physics course offers a comprehensive exploration of the forces, energy, waves, electromagnetism, and engineering design that shape our physical world. Through engaging lessons and interactive activities, students will delve into Newton's laws, electromagnetic forces, energy transformation, wave properties, nuclear processes, stability, and the art of engineering design. They will gain a deep understanding of fundamental concepts, such as forces and motion, electric and magnetic fields, conservation of energy, reflection and refraction of light, and the principles of sustainability.

Pre-Calculus

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Pre-Calculus is an advanced mathematics course that prepares students for calculus, offering a comprehensive investigation of key concepts and applications. The course encompasses ten units, covering a wide range of topics such as equations and inequalities, functions, conic sections, trigonometric functions, and matrices. Students will delve into complex areas including the trigonometry of general triangles, vectors, probability, sequences and series, and advanced topics with real-world applications.

Psychology

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This year-long Psychology elective provides students with an understanding of human behavior and mental processes. The course begins with an introduction to psychology, exploring its history, methodologies, and various schools of thought. Students will cover topics like neuroscience and behavior, learning about the brain's structure and its influence on cognition and behavior. The course covers developmental psychology, examining human growth and psychological changes from infancy through adulthood. Through case studies, students gain a real-world understanding of psychological concepts and their applications in everyday life.

continued

SPLP-Asynchronous

High School

A–G approved

High School (continued)

Real-World Math

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Welcome to our journey through the fascinating world of mathematics. This high school mathematics course is designed to weave together the elegance of mathematics with the tangible experiences of the world around us. Through a series of ten carefully curated and CCSS (2024) aligned units, students will embark on a journey from the foundational elements of basic mathematical concepts to the sophisticated realms of statistical analysis, probability, personal finance, and the fascinating interplay between mathematics, art, and music. This course is not just about numbers; it's a narrative revealing the mathematical beauty, order, and complexity of our natural world.

Spanish 1

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Spanish 1 provides students with a fun and engaging way to build their foundation of the Spanish language. Students will start with basic vocabulary and work up to verb conjugations, parts of speech, and conversational skills. Lessons are structured to be interactive and provide students with many visual and auditory ways of practicing the language.

Spanish 2

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Spanish 2 builds on students' knowledge to help further mastery of the language. Students will explore more complex parts of speech such as feminine and masculine nouns and homophones. This course also expands on verbs and verb tenses, such as infinitive verbs and irregular verbs. In addition, students will learn and practice their conversational and functional Spanish by exploring concepts such as passing of time and descriptions of locations, as well as writing reports and invitations. To tie everything together, students will be immersed in culturally relevant literature and holidays.

U.S. Government

GRADE 9, 10, 11, 12 Social Studies SEM

This U.S. Government course provides students with an understanding of the foundations and functions of American democracy, exploring the Constitution, Federalist Papers, separation of powers, and the Bill of Rights. The course explores the interactions among the branches of government, including Congress, the Presidency, and the Judiciary, along with the complexities of federalism, public policy, and the role of agencies and commissions. Students will study civil liberties and rights, focusing on key constitutional amendments, landmark Supreme Court cases, and contemporary issues in civil society.

U.S. History

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This course provides a comprehensive overview of United States history from its early beginnings to contemporary issues. Students will explore key events, movements, and figures that have shaped the nation's development, from Indigenous societies and early European exploration to modern-day challenges. Through a combination of readings, discussions, and multimedia resources, students will gain a deeper understanding of the political, social, economic, and cultural forces that have shaped American society.

World Geography

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This comprehensive course on World Geography is designed to cover significant geographic concepts, physical and human geography, and the pressing global issues of environmental sustainability. Through a series of 10 units, students will explore the diverse landscapes of the Earth, the intricate interplay between human activities and the environment, and the innovative solutions aimed at creating a sustainable future. Each unit incorporates inquiry-based questions to foster critical thinking, aligning with the Next Generation Science Standards (NGSS) on Human Impacts on Earth Systems and Global Climate Change, among others.

World History

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This comprehensive World History course spans from early civilizations to the modern world, offering a deep dive into global history. Students begin with the ancient civilizations of Mesopotamia, Egypt, India, and China, understanding their contributions to human development. The journey continues through the classical period, medieval times, the Renaissance, and the age of exploration, highlighting significant cultural, political, and technological advancements. The course covers the World Wars, the Cold War, decolonization, and the rise of globalization, emphasizing their impact on contemporary society.

SPLP-Credit Recovery Catalog

The **SPLP-Credit Recovery** curriculum catalog courses are created from the same base courses as the SPLP-Asynchronous catalog. However, in the credit recovery model, each unit begins with a formative pretest to assess each student's mastery of unit objectives. Unit lessons are then excused depending on the mastery score of each lesson's objectives. Because of the built-in formative assessments, students can create their own personalized learning path which focuses only on their knowledge gaps. This instructional design is ideal for students who may have been unsuccessful in completing the same course either online or in a brick and mortar environment. This course design may also be ideal for extended learning for students who may be performing above grade level. The formative assessments can determine which skills the student needs to focus on for advancement in the course.

After completion of each unit's pretest, the unexcused unit lessons will begin with a lesson starter and objectives to activate prior knowledge. Each lesson includes the ability for students to access the text-to-speech toolbar, a highlighter tool, a print function, as well as an area to take lesson notes. The direct instruction portion of each lesson integrates engaging video content alongside easy-to-read text to grab students' attention and expose them to new concepts. Guided notes are built into each lesson to assist students in gathering and transferring knowledge into concrete concepts. Independent practice is also part of the lesson design to allow students the opportunity to practice what they have learned. Each lesson culminates with a Lesson Refresher that is written at an 8th grade reading level to give students an easy-to-read and easy-to-understand conclusion. Lesson mastery is then tested by computer-graded assessments which include access to question bookmarking as well as an answer eliminator tool. These courses are offered as semesters 1 and 2 or as a year-long course. Each semester contains five units of instruction. These Credit Recovery courses follow a consistent instructional design containing pretests, lessons, unit tests, final exams, and midterms in year-long courses.

Hidden Items (if applicable)

Activities hidden to ensure catalog meets the described goal. Activities can be previewed and unhidden at any time.

Default Weights*

Pretests 0%

Unit Tests 45%

Exams 15%

Lessons 25%

Guided Notes 15%

*Weights can easily be adjusted to teacher's preference

SPLP-Credit Recovery

High School

A–G approved

Middle School

CR Civics

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

This comprehensive Civics course for middle school students is designed to introduce and deepen understanding of the principles, structures, and functions of government in the United States, as well as the rights and responsibilities of citizens. Spanning a full academic year, the course is divided into 10 thematic units, each consisting of 9 modules that explore different facets of Civics and government. Through engaging, interactive lessons, students will explore the foundations of government, the Constitution, the three branches of government, civil rights, state and local government, public policy, the economy, media influence, and the importance of civic engagement.

CR Earth and Space Science

GRADE 6, 7, 8 Science S1 | S2 | YEAR

Embark on an exhilarating journey through the realms of Earth and Space Science, a course meticulously crafted for the curious minds of middle school students. This adventure begins with the essentials of scientific inquiry and methods, laying the foundation for a deeper understanding of both Earth and Space Sciences. Students will delve into the intricacies of our planet, exploring the geosphere, hydrosphere, and atmosphere, and uncovering the vast opportunities and careers these fields offer. The exploration extends beyond our terrestrial confines to the wonders of our solar system and the boundless expanse of the universe, sparking curiosity about the endless possibilities in space science.

CR English 6

GRADE 6, 7, 8 ELA S1 | S2 | YEAR

This course overview is designed to provide a comprehensive guide for teachers embarking on the journey of teaching Grade 6 English Language Arts (ELA). The curriculum is structured into ten units, each focusing on vital areas of ELA to ensure a holistic development of students' language skills while meeting the Common Core Standards for English Language Arts.

CR English 7

GRADE 6, 7, 8 ELA S1 | S2 | YEAR

This Middle School English Language Arts (ELA) course is designed to cover a wide range of literacy skills and content areas over ten comprehensive units. Each unit is structured to develop students' reading, writing, speaking, and listening abilities, aligning with Common Core State Standards. The course aims to foster a deep appreciation for literature, enhance critical thinking skills, and encourage creative expression.

CR English 8

GRADE 6, 7, 8 ELA S1 | S2 | YEAR

This comprehensive 8th Grade ELA course is designed to engage students in a wide range of literary genres and communication skills, preparing them for high school and beyond. Throughout the course, students will explore classic and contemporary texts, develop critical thinking and analytical skills, and enhance their ability to communicate effectively in various formats.

CR Geography

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

This comprehensive middle school geography course is designed to travel across the vast landscapes of our planet, explore the intricate tapestry of human societies, and evaluate the relationship between natural environments and human activities. Spanning 10 units with 9 lessons each, the course embarks on a journey from the foundational concepts of geography and map skills to the pressing global issues shaping the future of our planet.

CR Life Science

GRADE 6, 7, 8 Science S1 | S2 | YEAR

This comprehensive middle school geography course is designed to travel across the vast landscapes of our planet, explore the intricate tapestry of human societies, and evaluate the relationship between natural environments and human activities. Spanning 10 units with 9 lessons each, the course embarks on a journey from the foundational concepts of geography and map skills to the pressing global issues shaping the future of our planet.

continued

SPLP-Credit Recovery

High School

A–G approved

Middle School (continued)

CR Math 6

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

Embarking on Math 6 marks a crucial transition from elementary concepts to the complexities of secondary mathematics. Our entirely online course, meticulously designed by experienced Math 6 educators, bridges this gap with a comprehensive curriculum delivered through engaging scripted video lessons. These lessons, integrated with interactive assessment questions, ensure that learning transcends traditional memorization, fostering a deep understanding of mathematical principles. Our approach leverages the flexibility and accessibility of digital learning, enabling students to explore essential topics such as Ratios, The Number System, and Geometry at their own pace, while also emphasizing real-world applications to make math both relevant and exciting.

CR Math 7

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

Welcome to 7th Grade Mathematics! This course is designed to provide students with a comprehensive understanding of key mathematical concepts and skills aligned with the Common Core State Standards (CCSS) for 7th grade. Throughout the course, students will explore a wide range of topics, including ratios, proportional relationships, expressions, equations, inequalities, geometry, data analysis, probability, and foundational concepts for transitioning to 8th-grade mathematics.

CR Math 8

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

Embarking on 8th-grade mathematics marks a significant milestone in your academic journey, where you transition from elementary concepts to more complex mathematical principles. Our comprehensive online course, meticulously crafted by seasoned educators, aims to guide you through this transition seamlessly while setting a solid foundation for your future high school mathematics endeavors. Through a series of engaging video lessons, interactive assessments, and real-world problem-solving scenarios, we strive to cultivate a deep understanding of mathematical principles while making learning enjoyable and accessible.

CR Physical Science

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

In this dynamic physical science unit, students will embark on an immersive journey through fundamental concepts and cutting-edge innovations in the realms of forces, energy, waves, and transportation. From exploring the principles of motion in sports science to delving into the intricate world of electromagnetism in transportation technologies, students will engage in hands-on activities, interactive discussions, and real-world applications to deepen their understanding of the physical world and its impact on modern society.

CR U.S. History

GRADE 6, 7, 8 Mathematics S1 | S2 | YEAR

This proposed U.S. History course for middle school aims to offer students a comprehensive understanding of the nation's past. Over the course of the school year, students will delve into the captivating stories, influential figures, and pivotal events that have shaped the United States from its founding to present day. This enriching course will provide students with a robust understanding of American history, culture, and societal development with a focus on critical analysis, understanding historical contexts, and recognizing the complexity of historical events and their impacts. The course is designed around 10 units, each comprising 9 lessons, to cover significant periods, themes, and events in American history.

continued

SPLP-Credit Recovery

Middle School | High School

A–G approved

High School

CR Alegbra 1

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra 1 is a comprehensive, yearlong course that lays the foundational concepts for all future mathematics courses. It covers ten units including the foundations of algebra, linear equations, functions, polynomials, and more complex topics like exponential functions, as well as sequences and series. Students will learn to apply algebra to real-world situations, translating them into algebraic expressions and solving various equations and inequalities. The course emphasizes practical applications and in-depth understanding of algebraic principles, such as graphing linear and quadratic equations, working with functions, and exploring the properties of polynomials and rational expressions.

CR Alegbra 1

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra 1 is a comprehensive, yearlong course that lays the foundational concepts for all future mathematics courses. It covers ten units including the foundations of algebra, linear equations, functions, polynomials, and more complex topics like exponential functions, as well as sequences and series. Students will learn to apply algebra to real-world situations, translating them into algebraic expressions and solving various equations and inequalities. The course emphasizes practical applications and in-depth understanding of algebraic principles, such as graphing linear and quadratic equations, working with functions, and exploring the properties of polynomials and rational expressions.

CR Art History

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This Art History course will introduce high school students to the fascinating world of art, spanning various periods and cultures. Through the exploration of significant artworks and movements, students will develop an understanding of the evolution of art and its influence on societies throughout history. The course will include interactive discussions, visual analysis, and hands-on activities to engage students in critical thinking and creative expression.

CR Biology

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

The high school Biology course offers an exploration of life sciences, beginning with an introduction to biology and scientific methodologies, followed by in-depth studies of cell biology, genetics, and heredity. Students will learn about evolutionary biology and natural selection, gaining an understanding of the mechanisms that drive life's diversity and complexity. The course also covers ecology, where students learn about ecosystems, biodiversity, and human impacts on the environment. Human biology and physiology are explored, providing insights into body systems and their functions. The course includes studies of biochemistry, plant biology, microbiology, and the interconnectedness of Earth's systems with biology.

CR Career Preparation

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This high school career preparation course is designed as a comprehensive journey, guiding students through the intricacies of self-discovery, career exploration, and the development of essential skills for the workplace and beyond. As the educator leading this voyage, you'll be equipped with a curriculum that not only addresses the practicalities of job searching and workplace dynamics but also delves deeply into the personal growth and self-awareness necessary for students to forge their own paths in the world.

CR Chemistry

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

The high school Chemistry course offers an in-depth study of chemical principles, starting with an introduction to chemistry, atomic structure, and periodic trends. Students explore chemical bonding, along with molecular geometry and polarity. The course delves into chemical reactions, stoichiometry, thermochemistry, and the laws governing chemical processes, equipping students with an understanding of chemical interactions and reactions. Advanced topics such as gas laws, solutions, solubility, electrochemistry, and organic chemistry are covered, providing insights into both theoretical and practical aspects of chemistry.

SPLP-Credit Recovery

High School

A–G approved

High School (continued)

CR Earth and Space Science

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Welcome to High School Earth and Space Science! This course is designed to provide students with a comprehensive understanding of Earth and space systems, exploring topics ranging from geological processes to celestial mechanics. Utilizing the Next Generation Science Standards (NGSS), students will engage in hands-on activities, scientific inquiry, and critical thinking to deepen their understanding of the natural world and humanity's place within it.

CR Economics

GRADE 9, 10, 11, 12 Social Studies SEM

The High School Economics course, designed for a semester, encompasses five units, blending foundational concepts. Unit 1 introduces economics, focusing on supply and demand principles. Microeconomics is the focus of Unit 2, discussing market types, business organizations, production costs, profit maximization, labor markets, income distribution, government regulation, market failures, and public and common goods. Unit 3 shifts to macroeconomics, exploring GDP, business cycles, unemployment, inflation, fiscal and monetary policies, the Federal Reserve, international trade, and exchange rates. Personal Finance Economics in Unit 4 teaches budgeting, saving, investing, credit, loans, taxes, insurance, retirement planning, risk management, financial markets, and economic indicators. Finally, Unit 5 delves into special topics like behavioral economics, environmental economics, and the economics of education.

CR ELA 1

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

The ELA 1 course is an in-depth exploration of English language and literature, designed to build a strong foundation in grammar, language mechanics, and literary analysis. Starting with a focus on grammar and language mechanics, students learn about parts of speech, sentence structures, and effective use of punctuation, ensuring a strong grasp of written English. The course then covers literary elements through the study of various genres, including short stories, poetry, drama, and global literature. Students also engage with informational texts and argumentation, developing skills in critical analysis, persuasive writing, and media literacy.

CR ELA 2

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

ELA 2 covers a wide range of language arts skills, including reading, writing, literature, drama, poetry, argumentation, and media literacy. The course is structured into ten units, each focusing on different aspects such as storytelling elements, literature analysis, nonfiction texts, research methodologies, and drama and poetry analysis. Students will develop an understanding of narrative and argumentative writing, enhance their skills in informational text analysis, and learn effective research and presentation techniques.

CR ELA 3

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

ELA 3 is an advanced English Language Arts course designed for high school juniors and seniors, focusing on American literature from its early beginnings to contemporary works. The course is structured into ten units, including Romanticism, Transcendentalism, Realism, Naturalism, Modernism, the Harlem Renaissance, Post-War and Contemporary Literature, as well as Poetry, Song, and Dystopian Literature. Students engage in critical reading, writing, and rhetorical analysis. The course emphasizes language mechanics, the power of rhetoric, character and narrative analysis, and the exploration of various thematic and cultural contexts.

CR ELA 4

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

ELA 4 is a comprehensive high school course focusing on British Literature. Throughout ten units, students explore key periods in British literature, from the Medieval era to Modernism, understanding the historical and cultural contexts that shaped these literary works. The course emphasizes skill development in textual analysis, argumentative writing, critical thinking, and research, with exposure to a diverse range of classic and modern texts. Students will enhance their vocabulary and language skills through literary analysis and explore themes such as religion, identity, social change, and globalization.

SPLP-Credit Recovery

High School

A–G approved

High School (continued)

CR Environmental Science

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

The Environmental Science course offers a comprehensive look at the planet's ecosystems, biodiversity, and the human impact on the environment. Students will cover the fundamentals of ecology, the importance of biodiversity, and the challenges facing natural resources, including water, soil, and mineral conservation. The course covers atmospheric science, emphasizing climate change, greenhouse effects, and strategies for mitigation and adaptation. Additional units focus on the hydrosphere and geosphere, exploring water and land pollution, waste management, and the importance of recycling.

CR Financial Literacy

GRADE 9, 10, 11, 12 Electives SEM

This one-semester Financial Literacy course for high school students is designed to provide students with essential skills and knowledge for making sound financial decisions. Beginning with an introduction to personal finance, students learn about income types, taxes, job benefits, and financial planning. The course progresses to cover consumer behavior, budgeting, and smart purchasing, including understanding loans, credit scores, and effective debt management. A significant focus is placed on saving and investing, where students explore savings accounts, compound interest, and investment vehicles like stocks and bonds.

CR Geometry

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Embark on a geometric journey that unveils the beauty and precision of spatial reasoning with our comprehensive Geometry course. From the foundational principles of Euclidean geometry to the intricacies of trigonometric relationships and solid figures, this course equips students with the tools and techniques necessary to explore and analyze the world of shapes and spatial structures.

CR Health

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

Welcome to an exhilarating journey into the realm of health education! This dynamic health course transcends the ordinary, offering a thrilling exploration of the human body, mind, and the intricate interplay between them. Delve into cutting-edge insights on nutrition, exercise, mental well-being, and holistic health practices. Engage in hands-on activities, real-world case studies, spirited discussions, and service learning that bring health science to life. Unleash your inner investigator as we tackle contemporary health challenges, empowering you with the knowledge and skills to make informed choices for a vibrant and fulfilling life. This isn't just a course; it's a transformative experience where you'll discover the secrets to unlocking your optimum health potential. Get ready to embark on an exciting adventure toward a healthier, happier you!

CR Integrated Math 1

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Integrated Math 1 provides a comprehensive foundation in algebra, geometry, and trigonometry, emphasizing connections between mathematical concepts and real-world applications. Through a series of structured units, students will develop essential problem-solving skills, mathematical reasoning, and critical thinking abilities. The course progresses from fundamental algebraic concepts to more advanced topics like functions, geometry, and quadratic equations.

CR Integrated Math 2

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Integrated Math II is designed to build upon the mathematical concepts introduced in Integrated Math I, focusing on exponential and logarithmic equations and functions, polynomials, radicals and complex numbers, matrices, angles, congruence and similarity, sequences and series, probability, statistics, and triangles. Students will develop critical thinking and problem-solving skills as they explore these topics and their applications in real-world scenarios. The course emphasizes the development of mathematical fluency, reasoning, and communication skills necessary for success in higher-level mathematics courses and everyday life.

CR Integrated Math 3

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Welcome to Advanced Integrated Mathematics III! This course is designed to provide students with a comprehensive understanding of advanced mathematical concepts and their real-world applications. Throughout this course, students will explore topics ranging from geometric relationships and measurements to advanced algebraic concepts, including functions, trigonometry, vectors, complex numbers, and conic sections.

SPLP-Credit Recovery

High School

A–G approved

High School (continued)

CR Physical Education

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Each unit integrates engaging core concepts and exciting real world scenarios with practical skills and applies an exercise model to design effective fitness programs for students. This includes, Interactive fitness activities, a dive into nutrition and how it correlates with exercise, as well as innovative approaches to seeing fitness as a positive lifelong journey. This glimpse into lifelong fitness, includes an opportunity for students to calculate and monitor heart rate, understand the cardiovascular system and the importance of stretching and mobility as well as highlights the constructive role of sport participation and how it is related to fostering personal development and community involvement. By incorporating these concepts in a cohesive manner, the course ensures holistic development, wellness enhancement, and an opportunity to look at fitness as a crucial long-term health benefit.

CR Physics

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

This captivating physics course offers a comprehensive exploration of the forces, energy, waves, electromagnetism, and engineering design that shape our physical world. Through engaging lessons and interactive activities, students will delve into Newton's laws, electromagnetic forces, energy transformation, wave properties, nuclear processes, stability, and the art of engineering design. They will gain a deep understanding of fundamental concepts, such as forces and motion, electric and magnetic fields, conservation of energy, reflection and refraction of light, and the principles of sustainability.

CR Pre-Calculus

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Pre-Calculus is an advanced mathematics course that prepares students for calculus, offering a comprehensive investigation of key concepts and applications. The course encompasses ten units, covering a wide range of topics such as equations and inequalities, functions, conic sections, trigonometric functions, and matrices. Students will delve into complex areas including the trigonometry of general triangles, vectors, probability, sequences and series, and advanced topics with real-world applications.

CR Psychology

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This year-long Psychology elective provides students with an understanding of human behavior and mental processes. The course begins with an introduction to psychology, exploring its history, methodologies, and various schools of thought. Students will cover topics like neuroscience and behavior, learning about the brain's structure and its influence on cognition and behavior. The course covers developmental psychology, examining human growth and psychological changes from infancy through adulthood. Through case studies, students gain a real-world understanding of psychological concepts and their applications in everyday life.

CR Real World Math

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Welcome to our journey through the fascinating world of mathematics. This high school mathematics course is designed to weave together the elegance of mathematics with the tangible experiences of the world around us. Through a series of ten carefully curated and CCSS (2024) aligned units, students will embark on a journey from the foundational elements of basic mathematical concepts to the sophisticated realms of statistical analysis, probability, personal finance, and the fascinating interplay between mathematics, art, and music. This course is not just about numbers; it's a narrative revealing the mathematical beauty, order, and complexity of our natural world.

CR Spanish 1

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Spanish 1 provides students with a fun and engaging way to build their foundation of the Spanish language. Students will start with basic vocabulary and work up to verb conjugations, parts of speech, and conversational skills. Lessons are structured to be interactive and provide students with many visual and auditory ways of practicing the language.

SPLP-Credit Recovery

High School

◉ **A–G approved**

High School (continued)

CR Spanish 2 ◉

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Spanish 2 builds on students' knowledge to help further mastery of the language. Students will explore more complex parts of speech such as feminine and masculine nouns and homophones. This course also expands on verbs and verb tenses, such as infinitive verbs and irregular verbs. In addition, students will learn and practice their conversational and functional Spanish by exploring concepts such as passing of time and descriptions of locations, as well as writing reports and invitations. To tie everything together, students will be immersed in culturally relevant literature and holidays.

CR U.S. Government ◉

GRADE 9, 10, 11, 12 Social Studies SEM

This U.S. Government course provides students with an understanding of the foundations and functions of American democracy, exploring the Constitution, Federalist Papers, separation of powers, and the Bill of Rights. The course explores the interactions among the branches of government, including Congress, the Presidency, and the Judiciary, along with the complexities of federalism, public policy, and the role of agencies and commissions. Students will study civil liberties and rights, focusing on key constitutional amendments, landmark Supreme Court cases, and contemporary issues in civil society.

CR U.S. History ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This course provides a comprehensive overview of United States history from its early beginnings to contemporary issues. Students will explore key events, movements, and figures that have shaped the nation's development, from Indigenous societies and early European exploration to modern-day challenges. Through a combination of readings, discussions, and multimedia resources, students will gain a deeper understanding of the political, social, economic, and cultural forces that have shaped American society.

CR World Geography ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This comprehensive course on World Geography is designed to cover significant geographic concepts, physical and human geography, and the pressing global issues of environmental sustainability. Through a series of 10 units, students will explore the diverse landscapes of the Earth, the intricate interplay between human activities and the environment, and the innovative solutions aimed at creating a sustainable future. Each unit incorporates inquiry-based questions to foster critical thinking, aligning with the Next Generation Science Standards (NGSS) on Human Impacts on Earth Systems and Global Climate Change, among others.

CR World History ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This comprehensive World History course spans from early civilizations to the modern world, offering a deep dive into global history. Students begin with the ancient civilizations of Mesopotamia, Egypt, India, and China, understanding their contributions to human development. The journey continues through the classical period, medieval times, the Renaissance, and the age of exploration, highlighting significant cultural, political, and technological advancements. The course covers the World Wars, the Cold War, decolonization, and the rise of globalization, emphasizing their impact on contemporary society.

L-Synchronous Catalog

The uniquely designed "bite-sized" **L-Synchronous** curriculum catalog offers more than 180,000 flexible learning objects and validated assessments to help students reach their educational goals. The term "***synchronous***" refers to working in-sync or on pace with a teacher or peers. However, it is common for synchronous courses to be used as self-paced. This instructional design breaks down information into smaller learning chunks to accommodate various learning styles.

The 23/24 L-Synchronous instructional design supports more frequent student/teacher interaction with all of the Show It learning objects set as gradable and the Show It Answer Keys (AK) hidden from students. Most Show It items are completed when students submit written work or attachments via a Dropbox, which are then teacher graded. Because of this high-level of teacher/student interaction, the L-Synchronous catalog is our most rigorous option and many courses in this catalog are NCAA approved or used by some schools as honors course options.

Each course uses the backwards design approach, documenting each standard, its respective learning objectives, assessment strategies, and instructional strategies before designing instruction. It is also horizontally and vertically aligned so units and lessons are logically sequenced. This instructional design also engages students with age-appropriate and multimodal learning objects and innovative supports proven to maximize and accelerate learning.

The courses offered within this catalog offer both online and printed materials. Course resource folders may contain: a parent teacher guide, pacing guide, an optional supply list, or other resources like Reading Lists, Addition Charts, etc.

Lessons include learning objectives, activities, assignments, assessments, and resources, like the text-to-speech toolbar, to provide multiple opportunities for students to master each standard. Each lesson folder typically contains one or more of the following learning objects: Read It, Practice It, Watch It, Play It, Show It, Answer Keys (AK), Reinforce It, Extend It, and Apply It.

Students are assessed in Assess Its and Checkpoints (quizzes), Mastery Assess Its (unit tests), Midterms (in year-long courses), and Final Exams. Many assessments are computer-graded. Essay questions and activities contain a submission box for students to type, draw, insert images, video clips, charts, and/or attach files in response.

Year-long courses contain 180 lesson folders while semester courses have 90. The instructional design suggests students complete one lesson folder a day in approximately a 50-minute class period.

Hidden Items (if applicable)
Student Survey

Default Weights*

Assignments 20%**
Quizzes (Assess Its) 20%
Unit Tests (Mastery Assets) 35%
Midterm (in block [year-long] courses) 10%
Final Exam 15%

*Weights can easily be adjusted to teacher's preference
**Category is only used when teachers choose to make the "Show It" gradable. Otherwise, the 20% is divided equally into the other weighting categories.

L S L-Synchronous

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade PreK

PK Integrated *P* ◉

GRADE PreK Electives S1 | S2 | YEAR

Grade K

K Art *P* ◉

GRADE K Electives FLEX

In Art K, students are introduced to the ways in which they can express ideas and demonstrate their creativity through art. Throughout this course, students are encouraged to use their imagination to create art. They use a wide variety of materials to make their artwork, and they learn safe methods for using those materials. They explore the importance of working with others by collaborating both to create art and to solve artistic problems. Students use multiple techniques while working with the same artistic medium, and they create various scenes, including a nature scene, a construction scene, and an underwater scene. This course will teach students to develop and carry out a plan to create and revise their work, and it guides them through the process of creating a personal art portfolio. In addition, Art K encourages students to begin thinking about the artwork of others. They learn about well-known artists and the common tools those artists used. They also learn about art museums and consider how pieces of artwork make them feel. Finally, students create works of art that are of a more personal nature, including art depicting their own community, a self-portrait, and an illustration of their favorite book. Throughout Art K, students learn art terminology so that they are able to connect ideas and demonstrate the beginnings of a strong artistic foundation.

K Music *P* ◉

GRADE K Electives FLEX

In Music K, students are introduced to the expression of ideas and creativity in music through active involvement. Students respond, connect, perform, and create music to enhance gross and fine motor skills, vocal development, self-expression, personal connection, originality, visual recognition, and audiation while developing music terminology.

K Physical Education *P* ◉

GRADE K Electives FLEX

Physical Education K offers students a comprehensive physical education course where the focus is to get students motivated to be active. Students begin by learning about the course requirement of 36 hours of organized, supervised physical activity. They also learn to document their activity in their PE Log. Next, students learn about different aspects of physical education, including different exercise and activity techniques in addition to information on leading a healthier lifestyle that allows them to be more physically fit. Topics such as safety, following directions, friendships with peers, and basic health and nutrition are reviewed. Regardless of the content covered in the daily lesson, students are expected to get up and move every day. They can do so by using different movements, exercises, or the grade-appropriate physical education kit items, which are available to purchase. The kit is designed to work in conjunction with the course content and contains age-appropriate exercise and activity items. Adaptive physical education activities are available for this course..

K Language Arts *P* ◉

GRADE K Language Arts S1 | S2 | YEAR

English Language Arts K encompasses reading, writing, speaking, spelling, and listening skills for students who are emerging learners. This course places a heavy emphasis on the alphabet, as students learn letter names and both uppercase and lowercase letters. Students also learn letter sounds and how to articulate and blend those sounds. English Language Arts K focuses on building reading skills through the use of high-frequency sight words—common prepositions, nouns, verbs, and adjectives. Through grade-level appropriate readings, students explore story elements and the ways in which pictures relate to text. They also learn to summarize a text and to compare and contrast characters, events, and ideas within texts. This course teaches foundational grammar and writing skills, including proper capitalization, spacing between words, and sentence punctuation. Students learn to print words and write complete sentences. Finally, interactive activities throughout the academic year help students develop their speaking and listening skills as well. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade K continued

L-Synchronous

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade K (continued)

K Mathematics *P* ◉

GRADE K Mathematics S1 | S2 | YEAR

In Mathematics K, students explore the world of mathematics all around them. They begin to develop foundational mathematics skills such as number identification, rote counting to 100 by memory, and place value. They learn the difference between more than and less than and explore the ways in which numbers can be decomposed. Students compare measurements, such as longer and shorter and heavier and lighter. They begin to develop problem-solving skills as they engage with simple addition and subtraction equations and word problems. Finally, students are introduced to basic geometry and learn the names and basic attributes of shapes. This course includes a Parent and Teacher Guide that supports student learning.

K Science *P* ◉

GRADE K Science S1 | S2 | YEAR

Science K introduces emerging learners to the knowledge and skills that will help them discover and understand the natural world around them. In this course, students learn to formulate questions, to predict, and to investigate. They use basic scientific tools, such as a magnifying glass, a ruler, and a thermometer, to make observations and draw on those observations to communicate their findings. They learn to use their five senses as observational tools as well. They deploy their observational skills to describe animals and plants, their basic needs for survival, and their environments. Students discover the effect of sunlight on Earth's surfaces and the difference between sun and shade. Students explore weather types, weather patterns, and seasonal changes. They also examine the characteristics of force, including the difference between a push and a pull. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

K Social Studies *P* ◉

GRADE K Social Studies S1 | S2 | YEAR

Social Studies K introduces emerging learners to the knowledge and skills that will help them to become active and valued participants in their community. Students discover the importance of rules and regulations in guiding community behavior, and they explore good citizenship and values such as respect, democracy, cooperation, and equality. Social Studies K establishes students' understanding of the past by teaching them the importance of a sequence of events and developing their skill in distinguishing fact from opinion. Finally, students learn about the world around them, including how geography influences society, how maps represent places, and how communities rely on trade in goods and services. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 1

1st Art *P* ◉

GRADE 1 Electives FLEX

In Art 1, students explore the roles of both groups of people. Students learn how daily life can be used as inspiration and how it can be depicted through artwork. They categorize artworks according to the subject matter each is portraying. Additionally, students learn to recognize the elements of art and the principles of design, and they rate artwork. Students explore the ways in which artwork is created outside of the school setting, and they discover that art is made for different reasons. As practicing artists, students will develop their art vocabulary, art understanding, and artistic skills as they work through prompts supplied in the course.

Grade 1 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 1 (continued)

1st Language Arts *P* ◉

GRADE 1 Language Arts S1 | S2 | YEAR

English Language Arts 1 focuses on developing reading, writing, spelling, speaking, and listening skills. In this course, students begin to understand that spoken and written language can be broken into phonemes. They use rhyming, blending, and segmenting to develop the foundation needed to become an emergent reader. Students read prose, poetry, and informational texts for comprehension. They learn to interpret the ways in which stories and poems appeal to the senses and to identify the main topic and key ideas within texts. Students increase their vocabulary by learning to use morphemic and contextual analysis to determine the meaning of unknown words. Students learn to spell new words using various spelling rules. In English Language Arts 1, students hone their writing skills by practicing grammar rules for noun usage, personal possessive and indefinite pronouns, verb tenses, capitalization, commas, and end punctuation. In doing so, they learn to produce and expand sentences and to write opinion pieces, informational pieces, and narratives. This year, students begin learning how to research information and how to use their research to answer questions. They identify and use various parts of a book, such as headings and the table of contents. They also use digital tools to publish their writing. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

1st Mathematics *P* ◉

GRADE 1 Mathematics S1 | S2 | YEAR

In Mathematics 1, students begin to learn mathematics in a more formal way. They focus on rote counting to 120 and practice reading and writing these numbers. In addition to strengthening their addition and subtraction skills, they compare two-digit numbers using place values and the comparison symbols for greater than, less than, and equal to. Students measure lengths and use measurements to compare the lengths of multiple objects using nonstandard measuring and units. They strengthen their geometry skills by drawing two-dimensional and three-dimensional shapes, and they explore fractions by dividing those shapes into halves and quarters. Students also organize, represent, and interpret data in pictures, tables, and charts. Additionally, they tell and write times in hours and half-hours. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

1st Music *P* ◉

GRADE 1 Electives FLEX

In Music 1, students are introduced to music fundamentals such as solfège, rhythms, dynamics, meter, instrument families, and dance forms. Each topic is presented through the use of music and movement activities that include reading, singing, dancing, and writing. Students improvise original rhythmic compositions. They sing using various forms of musical expression and dance. They learn and practice proper stage and performance etiquette techniques, and they explore the ways in which music and dance work together to create specific dance forms. Students also learn about American composers whose music has influenced American society.

1st Physical Education *P* ◉

GRADE 1 Electives FLEX

Physical Education 1 offers students a complete physical education experience where students are encouraged to live healthy lifestyles through good food choices and daily activity. The course begins by introducing students to the requirements for completion, which include 36 hours of organized, supervised physical activity. Students document all activity within their PE Logs. From there, students learn about a number of different elements of a healthy lifestyle, including safety, working with others, responsibility, stretching, healthy versus unhealthy foods, and warming-up and cooling-down. Regardless of the activity students are asked to do on a given day, they are expected to get up and move for a certain amount of time within each lesson. This expectation encourages students to be active every day by creating a routine. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. The kit is designed to work in conjunction with the course content and contains age-appropriate exercise and activity items. Adaptive physical education activities are available for this course.

Grade 1 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 1 (continued)

1st Science *P* ◉

GRADE 1 Science S1 | S2 | YEAR

Science 1 extends students' exploration of the natural world. Along the way, students practice making predictions and observations, experimenting, and using scientific tools and problem-solving skills. In this course, students investigate animals and plants, identify the basic needs of all living things, and compare and contrast plant and animal families. They examine how humans solve problems by mimicking plant and animal structures and functions. This course also introduces patterns of the sun, moon, stars, and Earth that can be predicted. Students observe and discover the properties of light and sound and learn ways to communicate with light and sound. Finally, students develop their ability to distinguish problem from solution and recognize the relationship between cause and effect. This course includes a printed Parent and Teacher Guide that supports student learning.

1st Social Studies *P* ◉

GRADE 1 Social Studies S1 | S2 | YEAR

Social Studies 1 leads students beyond their local community to consider their place in their state, the nation, and the world. They explore the function and characteristics of government in the United States, including the role of rules and laws and the rights and responsibilities of citizens. Students also learn how to ask questions and gather information to understand history. The course focuses on developing students' knowledge of the interplay between the physical world and human societies, as they learn basic geography skills, such as map reading, and examine the impact of the environment on how and where people live and how regional variations drive trade in both goods and services. Finally, students build their understanding of good citizenship by identifying ways to contribute to the community and avoid conflict and by interacting respectfully with others. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 2

2nd Art *P* ◉

GRADE 2 Electives FLEX

In Art 2, students explore artistic expression of their own personal interests. They learn to organize art into categories and to identify the various methods and materials used to create art. Throughout this course, students expand their artistic vocabulary, using it to describe the works they are studying. They explore the ways in which color can represent mood in artworks and create their own works to express their mood. While learning safe procedures for working with artistic materials, students experiment with mixing colors. In addition to creating artworks that depicts family, school, and community life, students also gain familiarity with works from European and Asian cultures.

2nd Language Arts *P* ◉

GRADE 2 Language Arts S1 | S2 | YEAR

English Language Arts 2 central concepts are reading, writing, spelling, speaking, and listening. This year, students begin to transition from learning to read to reading to learn. In this course, students continue to develop their phonemic awareness by learning to recognize word families, word origins, and irregularly spelled words. They also begin to use linking words to connect opinions and reasons and time-order words to signal the order of events. While reading, students work to distinguish fact from opinion, decipher an author's reason, and identify the main topic of a multi-paragraph text. Students sample multiple genres of literature, including fiction, nonfiction, poetry, folktales, and fables, while exploring story elements such as plot, setting, characterization, and the author's point of view. They also learn to distinguish between the main idea and the theme of a story. Students develop their writing skills by composing narrative, persuasive, and informative essays, as well as creative writing pieces. Additionally, they practice their research skills by finding facts in multiple sources and using them to produce a science report. Students use a dictionary to reinforce phonetic punctuation and spelling and to identify words with multiple meanings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 2 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 2 (continued)

2nd Mathematics *P* ◉

GRADE 2 Mathematics S1 | S2 | YEAR

In Mathematics 2, students begin to develop the skills to solve problems mentally and to explain how they solved a problem aloud or through writing. They count to 1,000 and identify even and odd numbers. Students discover multiple strategies for adding and subtracting numbers and determine which strategies work best for various problem types. They work with number lines and use them to represent whole numbers and their sums and differences. In this course, students expand their knowledge of place value to include thousands and use this concept to compare numbers. They use standard units of measurement to express the length of objects in inches, feet, centimeters, and meters. Mathematics 2 introduces digital and analog time and presents students with word problems involving money. In addition to learning monetary values, students also learn to use the dollar and cent symbols appropriately. Students also deepen their understanding of geometric shapes while exploring fractions by dividing shapes into halves, thirds, and fourths. They are introduced to new ways of representing data, including line plots, picture graphs, and bar graphs. This course uses mathematics' manipulatives to help students visualize problems in addition to a printed Parent and Teacher Guide that will help you support your student's learning.

2nd Music *P* ◉

GRADE 2 Electives FLEX

In Music 2, students explore musical expression. They investigate how musical concepts such as tempo are used to achieve the musician's expressive intent. Students identify the role and responsibility of a music composer and seek out the connections between music, other arts, daily life, and history. Throughout the course, they perform songs with movements and improvise rhythmic patterns and melodies. They create and record musical ideas through a recording device or on paper. Students learn to identify how personal interests and experiences influence music selection and instrument choice. Through these studies, they evaluate music from the Irish, African, and Japanese cultures. Additionally, they work with standard and iconic notation. Finally, students use the musical skills learned in this course to evaluate recorded music and make suggestions for improvement.

2nd Physical Education *P* ◉

GRADE 2 Electives FLEX

Physical Education 2 provides students with a comprehensive physical education course. Within this course, students are encouraged to discover ways to live a healthy lifestyle, including better food choices and consistent activity. Students begin the course by learning about the required 36 hours of organized, supervised physical activity. They also learn to document their activity within a PE Log. The course then moves into different aspects of healthy living, discussing components of health and safety, nutrition, working with others, following directions, and a number of new and different exercises, activities, and techniques. Regardless of the activity, the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine-like schedule. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Adaptive physical education activities are available for this course.

2nd Science *P* ◉

GRADE 2 Science S1 | S2 | YEAR

Science 2 encourages students to make sense of the world around them by observing and experimenting. Through focused readings and hands-on activities, students explore Earth and the matter that makes up its surface. They study the relationship between plants and animals through pollination and seed dispersion. They look deeply into several habitats on Earth and the plants and animals that live and grow there. Students examine and compare many different landforms and bodies of water. They research topics and formulate questions, make predictions, and then use scientific tools to observe and test their experiments. By recognizing patterns, solving problems, and identifying cause and effect, students develop the ability to make inferences and communicate their findings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 2 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 2 (continued)

2nd Social Studies *P* ◉

GRADE 2 Social Studies S1 | S2 | YEAR

Social Studies 2 empowers students to become productive citizens by developing their knowledge and skills in civics, history, geography, and economics. They deepen their understanding of the U.S. government by explaining the role of the three branches of government and of the U.S. Constitution. Students extend their knowledge of U.S. history to recognize the impact of important figures and movements of the past, and they begin to think like historians by identifying reliable sources, crafting compelling questions, distinguishing fact and opinion, and using timelines to structure series of events. The course highlights the role of international relations, including both alliances and international trade, as well as the importance of geography and regional variations in resources and production. Finally, students learn core concepts of economics, including supply and demand, scarcity, and cost and benefits, as well as the functions of banks, and relate these concepts to individuals and communities. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 3

Cursive Handwriting *P* ◉

GRADE 3, 4, 5 Electives SEM

In the Cursive Handwriting course, students will have the opportunity to learn the art of cursive handwriting. This course uses videos and written lessons to demonstrate and explain how each letter is written. Students will practice their cursive writing using engaging worksheets.

3rd Art *P* ◉

GRADE 3 Electives FLEX

In Art 3, students create, experiment, revise, present, analyze, and respond to artwork. Students learn the importance of presenting their art and the necessary components to consider when doing so, such as the display space, artwork preparation, and display limitations. Students revise and enhance their art in order to tell a better visual story. They also learn how to ask important questions regarding the imagery and materials an artist uses to better understand the message of the work. Art 3 gives students the observation tools they need to perceive their world and create art based on what they see and how they feel.

3rd Language Arts *P* ◉

GRADE 3 Language Arts S1 | S2 | YEAR

English Language Arts 3 focuses on expanding students' reading, writing, spelling, speaking, and listening skills. In this course, students read more complex texts and write to express themselves with greater sophistication. They practice reading at a natural pace while using intonation and expression appropriately. While reading, they interpret texts in more complex ways, by identifying cause and effect, determining tone and mood, and distinguishing shades of meaning in figurative language. This course introduce students to new genres, including opinion pieces, biographies, and blogs, while they continue to work with narratives, fiction, and informational texts. An emphasis is placed on grammar, punctuation, and spelling as students explore the functions of nouns, pronouns, verbs, adjectives, and adverbs; categorize nouns; explain the differences between various verb tenses; write simple, complex, and compound sentences; and use capitalization, commas, and quotation marks correctly. They learn the spelling of words with various prefixes and suffixes; regular and irregular nouns, verbs, and adjectives; and contractions, compound words, homophones, and words with various vowel sounds. Students develop their speaking and listening skills by planning, writing, and delivering an oral presentation and by creating visual aids to accompany the presentation. English Language Arts 3 also introduces students to new forms of writing, such as scripts, autobiographies, and outlines. They practice drafting and revising their writing through the development of journal entries, short stories, opinion pieces, and narratives. Students expand their research skills by learning to take notes while researching and to organize their notes into categories. They also gather information using both print and electronic sources. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 3 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 3 (continued)

3rd Mathematics *P* ◉

GRADE 3 Mathematics S1 | S2 | YEAR

Students in Mathematics 3 focus on multiplication and division, as this course aims to build strong foundational skills in these areas. Students explore the relationship between multiplication and division and practice using the order of operations to solve problems, including one- and two-step word problems. In addition to using place value to perform multi digit arithmetic, students round numbers to the nearest ten or hundred. They refine their mathematics skills in relation to money by making change using a combination of bills and coins. Mathematics 3 presents area and perimeter to students as they explore linear and area measurements. They also work with fractions as numbers in this course, representing them on number lines, generating equivalent fractions, and comparing fractions with the same numerator and denominator. Finally, students explore the ways in which various types of data can be displayed. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

3rd Music *P* ◉

GRADE 3 Electives FLEX

In Music 3, students explore musical basics such as melody, harmony, dynamics, tempo, timbre, texture, and context. They also reflect upon how these elements affect a listener's response to the music. Students use standard notation to read and write notes and rhythm in the treble clef and then practice playing those notes on instruments including the hand drum, rhythm sticks, and the soprano recorder. They learn about new musical ideas such as the pentatonic sound, major and minor scales, and singing in solfège. Finally, students identify key classical composers and explore new musical genres such as blues, bluegrass, country, jazz, and pop music.

3rd Physical Education *P* ◉

GRADE 3 Electives FLEX

Physical Education 3 offers a comprehensive physical education course where students learn how to live a healthy lifestyle and are motivated to be active. Students begin by learning about the required 36 hours of organized, supervised physical activity required in the course and how to document their activity within a PE Log. After students learn the guidelines, they move into the course content, which covers topics ranging from safety, rules, and etiquette to various new, fun, and challenging activities and exercise techniques. Students learn the basic elements of each new activity, along with the proper way to execute the motions so that they can get the most benefits from the exercise. Regardless of the activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine-like schedule. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Adaptive physical education activities are available for this course.

3rd Science *P* ◉

GRADE 3 Science S1 | S2 | YEAR

Science 3 guides students on an exploration of the natural world, its animals, its plants, and its terrain. They learn how clouds form, what causes the cycles of seasons and of day and night on Earth, and that light and sound are actually energy. Students examine the Earth's eight major biomes and identify how adaptations help plants and animals to survive varying conditions. They become junior meteorologists, able to explain weather and climate and to use weather instruments and knowledge of patterns to observe and predict the weather. Students recognize the information fossils can provide about the Earth's past and use geologic time scales to identify the eras when fossilized organisms lived. They explain how chemical reactions can change the properties of matter, and they investigate energy, magnetism, and electricity. Finally, students research topics and formulate questions, make predictions and observations, experiment and measure using scientific tools, and draw inferences and identify patterns based on their scientific inquiries. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 3 continued

L S L-Synchronous

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 3 (continued)

3rd Social Studies *P* ◉

GRADE 3 Social Studies S1 | S2 | YEAR

Social Studies 3 focuses on the United States, including its government and its laws. Students are encouraged to think about what it means to be productive, responsible citizens of both the nation and their own local communities. To support their learning about U.S. history and differing cultures and perspectives, students develop and research compelling questions on historical topics, work with credible sources, and distinguish between fact and opinion. Additionally, they learn to evaluate the validity of sources, especially websites. Students develop presentation skills that include constructing arguments to support their opinions and using visual aids to add interest to oral reports. They also expand their map-reading skills and learn the fundamentals of financial literacy. In addition to studying the United States, students examine the geography, culture, history, government, and economy of three other world communities: Canada, Mexico, and India. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 4

4th Art *P* ◉

GRADE 4 Electives FLEX

In Art 4, students begin thinking about the meaning behind works of art. They work both independently and collaboratively to brainstorm ideas for visual art, set artistic goals, and create meaningful artistic pieces. Students experiment with oil pastels and nontraditional art-making approaches and materials. They explore how regional influences can inspire an artist and create their own art based on regional inspirations. Students observe the various ways in which art can be displayed, where it can be displayed, and how its placement can impact the artist's message. Students compare and contrast works from different cultures and create art to reflect their own cultural traditions. They also learn to use context to interpret artwork and infer information about the time, place, and culture in which works were created.

4th Language Arts *P* ◉

GRADE 4 Language Arts S1 | S2 | YEAR

Students in English Language Arts 4 focuses on expanding their reading, writing, spelling, speaking, and listening skills, with a heavy emphasis on solidifying their writing skills. They use narrative, descriptive, opinion, persuasive, and informative pieces to learn to state ideas, facts, and opinions clearly while correctly using introduction, body, and conclusion paragraphs. Students create a plan for writing, revise and edit their work, and improve their writing using feedback from an adult. Through their writing, they continue to master the conventions of English grammar, including quotations, relative pronouns, progressive verb tenses, modal auxiliaries, prepositional phrases, antecedents, coordinating conjunctions, compound sentences, capitalization, and punctuation, while avoiding sentence fragments and run-on sentences. They learn to spell words with a wide variety of prefixes and suffixes in addition to homophones, possessives, compound words, and words with silent letters. While reading, students identify, describe, and analyze story elements and compare and contrast these elements in stories, myths, and literature from various cultures. Students further develop their research skills by conducting short research projects, taking notes during research, and creating bibliographies. They develop more concrete speaking skills by creating and delivering presentations on various topics. In addition, students create audio recordings and visual aids to supplement their presentations. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 4 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 4 (continued)

4th Mathematics *P* ◉

GRADE 4 Mathematics S1 | S2 | YEAR

In Mathematics 4, students refine their skills in the areas of place value, measurement, geometry, fractions, and decimals. They use the order of operations to solve problems with whole numbers up to 1 million, and they explore factors and multiples ranging from 1 to 100. Students use equations, arrays, and area models to explain multiplication calculations. They compare multi-digit whole numbers, fractions, and decimals using the symbols for greater than, less than, and equal to. Students practice converting measurements, such as feet to inches, and they use their understanding of size to determine whether measurements are reasonable answers to problems. Mathematics 4 introduces students to the protractor, which they use to measure angles in whole number degrees. Students learn to identify right triangles, and they sketch angles, lines, segments, and rays. Students look closely at fractions and decimals in this course by writing equivalent fractions, ordering fractions from least to greatest, comparing fractions with different numerators and denominators, and writing fractions as decimals and vice versa. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

4th Music *P* ◉

GRADE 4 Electives FLEX

In Music 4, students identify how the elements of music (melody, harmony, timbre, dynamics, and tempo) affect what a piece of music communicates to a listener. Students label or perform three different examples of rhythm in addition to musical notes such as the eighth note and the sixteenth note. They identify notes on the bass and treble clef. Students learn the difference between sharps and flats and major and minor scales. They create simple melodies with chords and mark tempo, time signature, and signature key. Students explore different musical characteristics and instruments from Africa in addition to Latin American and Celtic music and dance. Finally, students explain how social and cultural contexts influence a musical performance.

4th Physical Education *P* ◉

GRADE 4 Electives FLEX

Physical Education 4 provides students with a complete physical education experience where they not only learn how to live healthier lifestyles, but they are also taught and encouraged to be active every day. The course begins with an introduction to the requirements for completing the course successfully. Students must participate in, and document, at least 36 hours of organized, supervised physical activity within a PE Log. Then, students move into the content, which ranges in topics from the five components of physical fitness and safety, rules, and etiquette to various new, fun, and challenging activities and exercise techniques. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine-like schedule. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Adaptive physical education activities are available for this course.

Grade 4 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 4 (continued)

4th Science *P* ◉

GRADE 4 Science S1 | S2 | YEAR

Science 4 lays a foundation for future excellence in the STEM fields by introducing technology and engineering concepts, such as simple and complex machines and the steps of the engineering design process. This course encourages students to become innovative problem-solvers equipped with the skills and knowledge necessary to address twenty-first-century issues. Students explore the technical and sometimes surprising facts behind the things they see and experience every day. They expand their knowledge and understanding of topics in the areas of physics, chemistry, Earth science, ecology, biology, and space science. Students investigate genetics and the physical characteristics of living things, ecosystems and extinction, agriculture and sustainable resources, and pollution and recycling. They get to know the Earth's landforms and the types of rocks and soil and extend their learning beyond the Earth to the solar system and the Milky Way. Finally, students encounter important concepts in physics, such as the types and properties of waves, and in chemistry, such as atoms, molecules, and the conservation of mass. This course includes a printed Parent and Teacher Guide that will help you support your student's learning

4th Social Studies *P* ◉

GRADE 4 Social Studies S1 | S2 | YEAR

Social Studies 4 introduces students to critical analysis as they develop detailed knowledge of the United States, its regions, and the influence of individual perspectives on documents and events. Students assess and use a wide variety of primary and secondary sources to research compelling questions through supporting questions and present interpretations and arguments in both written and oral forms, supporting their positions with details drawn from reliable sources. Students learn the rights and responsibilities of citizens and how people and groups can work together to accomplish common goals. Students also explore how regional differences in physical environments and cultures affect how people live and work. This course fosters a command of the concepts and tools of geography, such as latitude, longitude, maps of various kinds, and scales. Students will also gain an understanding of core aspects of economics, including resources, production, consumption, and international trade. This course includes a Parent and Teacher guide that supports student learning.

Grade 5

5th Art *P* ◉

GRADE 5 Electives FLEX

Art 5 gives students opportunities to work with a wide range of materials, from metal to watercolors, all while further developing their techniques and skills as artists through repeated practice. Students learn to analyze, interpret, and talk about art with their peers as well as other admirers of art. They are introduced to the idea of cultural associations and perceptions and are asked to look at imagery critically. In doing so, students learn to decide how the details of their own work could be interpreted by others. Throughout this course, students create artwork that will bring attention to topics they find important. Their work will illustrate their awareness of their surroundings and will show their developing artistic abilities.

Grade 5 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 5 (continued)

5th Language Arts *P* ◉

GRADE 5 Language Arts S1 | S2 | YEAR

In English Language Arts 5, students solidify their foundational skills in reading, writing, spelling, speaking, and listening. Students read a variety of texts this year, including fiction, nonfiction, and informational texts. They identify the author's purpose in multiple forms of writing, such as descriptive, expository, technical, persuasive, and narrative passages. Through these texts, they learn to make inferences and analyze multiple accounts of the same event. They also identify, interpret, and compare similes, metaphors, and idioms used in writing and learn to draw a plot diagram and to identify common themes in literature. This year, students write a five-paragraph essay and an effective thesis statement. They follow the writing process to develop essays, create outlines to organize their ideas, and revise and improve their original draft. Students also write a persuasive letter, a speech, and a script. This course teaches and reinforces spelling rules, such as i before e, while also focusing on the spelling of words ending in a silent e, commonly misspelled words, and words with multiple syllables. Students sharpen their research skills by learning to use note cards for research, gathering information about the same topic from multiple sources, and understanding plagiarism and the importance of writing in their own words. They also practice citing sources by creating a bibliography. Students enhance their presentation skills by reporting on a text or topic, telling a story, retelling an experience, or presenting an opinion in an organized way while using facts and details to support the main idea. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

5th Mathematics *P* ◉

GRADE 5 Mathematics S1 | S2 | YEAR

Mathematics 5 focuses on developing students' math skills and problem-solving strategies. Problems and activities are designed to get students reasoning abstractly and quantitatively, constructing arguments, and modeling with mathematics. Students add, subtract, and multiply fractions, divide fractions by whole numbers, and divide whole numbers by fractions. They perform multiple operations with decimals in addition to comparing, ordering, and rounding them. They use exponents to denote powers of 10. Students are introduced to volume and how to calculate it and classify two-dimensional shapes into categories. They also graph data on a plot line and the coordinate plane, using graphs to solve real-word and mathematical problems. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

5th Music *P* ◉

GRADE 5 Electives FLEX

In Music 5, students demonstrate their ability to create, perform, analyze, and respond to music while making connections to personal, social, cultural, and historical perspectives. By the end of the course, students will be able to read music notation, compose music, and improvise original melodies. Students will also apply what they learn through interactive learning activities and performances on a variety of instruments including, but not limited to, the tambourine, rhythm sticks, maracas, and the soprano recorder.

5th Physical Education *P* ◉

GRADE 5 Electives FLEX

Physical Education 5 offers a comprehensive physical education course where students are taught the basics for healthy and active living. Students begin by learning about the 36 hours of organized, supervised physical activity required for the course and how to document their activity in a PE Log. Next, students begin to engage with the content, which includes topics about safety and journaling in addition to new, fun, and challenging activities and exercise techniques. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine-like schedule. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Adaptive physical education activities are available for this course.

Grade 5 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 5 (continued)

5th Science *P* ◉

GRADE 5 Science S1 | S2 | YEAR

Science 5 puts the emphasis on doing science. Students build their knowledge by crafting models, conducting experiments, creating terrariums, and making electromagnets. They learn about plant and animal cells and their functions, photosynthesis, and the roles of producers, consumers, and decomposers in an ecosystem. Students explore the global water cycle, the negative impacts of weather, and the relationship between weather and climate. They deepen their understanding of their home planet by investigating landforms, volcanic activity, the layers of the Earth's atmosphere and geosphere, the tilt of the Earth's axis, the impacts of its revolution around the Sun, and the Sun's role as the source of energy for life on Earth. Students are introduced to elements as the basic substances of all matter and the relationship between matter and particles; they also encounter such core concepts of physics as energy transformation, gravitation, and Newton's first and second laws of motion. They design simple and parallel circuits and use the engineering design process to generate solutions to real-world problems. Finally, they conduct research, formulate questions, make predictions and observations, conduct fair tests using the scientific method, record their findings, and draw conclusions for future investigation. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

5th Social Studies *P* ◉

GRADE 5 Social Studies S1 | S2 | YEAR

Social Studies 5 puts American history front and center, as students learn about the Native American civilizations of the Americas, the discovery of the New World by European explorers, the founding of the United States, westward expansion, and the coming of the Industrial Revolution. Students leverage research skills to analyze historical events and documents, and they present their findings using arguments based on reliable sources with supporting facts. They refine their ability to distinguish fact from opinion in the context of historical investigation. Students also broaden their understanding of government by recognizing how the system of checks and balances works at both national and state levels, and they identify and interpret important songs and symbols of the United States. Civic responsibility is woven throughout the curriculum, and students recognize the value of public service and the traits of good leaders. Social Studies 5 also explores the themes, tools, and techniques of geography. Students learn how human interaction with the environment has caused change, both beneficial and detrimental, in the past and in the present. Finally, they learn how the U.S. economy functions, including the role of government and multinational organizations in domestic and international trade. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 6

6th Art *P* ◉

GRADE 6 Electives FLEX

Art 6 encourages students to collaborate to create art. Students investigate how art can be personally significant while learning to be open to new artistic ideas, materials, methods, and creative approaches. In this course, students also explore the ways in which art equipment and materials can affect the environment. They study why and how artistic design can influence people, and they design art for a diverse population. Students also determine whether works of art successfully communicate their intended message. This course introduces three-dimensional art, and students compare two-dimensional and three-dimensional pieces before creating their own 3-D artwork. They will view art from around the world and determine what the works reveal about the values and lifestyles of the people depicted in the works. Finally, students learn the importance of preserving art and the ways in which to critique art.

6th Language Arts *P* ◉

GRADE 6 Language Arts S1 | S2 | YEAR

English Language Arts 6 introduces and builds the fundamental skills of English language arts, including reading, writing, speaking, listening, and using language. This course helps transition students from an elementary setting to the middle school learning environment. Students explore a variety of texts from a range of time periods, literary genres, and writers. From classic authors to contemporary creative writers, students study the use of language and literary devices to improve reading comprehension and to apply to their own skill sets. In addition to reading, students strengthen their writing skills through several modes of composition, such as entertainment, persuasive, poetic, and expository texts. They learn how to construct a well-written five-paragraph essay. Notably, students learn to conduct research, cite sources in MLA formatting, and compose a formal research essay. The final topic of the course provides the opportunity for students to either read a novel or examine a variety of excerpts from novels. This topic encompasses the fundamental skill sets built throughout the year. Students complete creative projects, such as creating an original piece of folklore and writing an original poem. These projects encourage students to highlight their talents and skills. This course emphasizes the importance of independent and creative thinking and integrates social-emotional learning.

6th Mathematics *P* ◉

GRADE 6 Mathematics S1 | S2 | YEAR

Mathematics 6 introduces students to rational numbers and explores the concept of absolute value. Students work with ratios and rates to analyze relationships, and they connect these concepts to percents. Students also apply all four operations to decimal numbers, using the concepts to solve real-world application problems. In this course, students begin their study of Algebra by learning about mathematical expressions, equations, and inequalities. They analyze data and display data using statistical methods. Students also explore two- and three-dimensional shapes.

6th Music *P* ◉

GRADE 6 Electives FLEX

In Music 6, students express ideas and creativity through music. Students apply music terminology to different instrument groups and learn to read music. Additionally, students discuss different forms of music and popular songs within Western and worldwide music.

6th Physical Education *P* ◉

GRADE 6 Electives FLEX

Physical Education 6 provides a complete physical education experience, allowing students to learn the basics of living a healthy life and the benefits of being active as often as possible. Students begin by learning about the organized, supervised physical activity required for the course. They also learn how to document their activity within a PE Log. Next, students move into the content, studying topics ranging from health, nutrition, and safety to new, fun, and challenging activities. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity students are asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine schedule. Students can be active by performing different exercises, by engaging in different activities, or by using items from their grade-appropriate physical education kit, which is available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items.

Grade 6 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 6 (continued)

6th Science *P* ◉

GRADE 6 Science S1 | S2 | YEAR

Science 6 takes students on a journey that incorporates life science, Earth and space science, and physical science concepts. Students begin by studying topics related to the nature of science and engineering, and they gain the skills necessary to succeed in investigations and engineering labs within the course. They learn how matter and energy interact and aid in creating the world around them. Students discover the unique properties of Earth that make it a sustainable planet for living organisms. Students will take an in-depth look at cells and their specialized structures, a variety of habitable ecosystems, and the abilities plants and animals have to adapt to various surroundings. Along with learning about the life on Earth, students will study the atmosphere and weather that has made Earth habitable for humans. They investigate ways to be more environmentally conscious by exploring how populations are affected by various environmental factors. Students work toward discovering solutions to these problems. This course includes multiple-day projects and hands-on labs, which are driven by real-world phenomena and meaningful storylines.

6th Social Studies *P* ◉

GRADE 6 Social Studies S1 | S2 | YEAR

Students learn to study the Earth's landscape in Middle School Geography. In this course, students learn that geography extends beyond physical structures by exploring geographical facets such as regions, ethnicities, and trade routes, in addition to landforms. By studying the geography, history, culture, religion, and contemporary issues facing a certain group of people or a specific area of space, students discover a significant amount of information about people in the present and in the past.

Grade 7

7th Art *P* ◉

GRADE 7 Electives FLEX

In Art 7, students transition from exploratory art discovery to a more discipline-based approach. This new approach focuses on developing students' skills and techniques as well as content knowledge, while still allowing for exploration and individuality. Students have the opportunity to act as real artists through repeated sketching, concept development, and continued research and observation activities while they work with a variety of media. Art 7 includes a strong focus on independent, creative thinking and problem solving through project-based learning. This course is designed to cover a half year of instruction, but it can be completed at each student's own pace. The project-based activities have dedicated, multi-day lessons to allow students time to sufficiently and successfully develop their ideas and artwork.

7th Language Arts *P* ◉

GRADE 7 Language Arts S1 | S2 | YEAR

English Language Arts 7 extends beyond the five fundamental English language arts skills of reading, writing, speaking, listening, and understanding language. This course exposes students to a variety of texts from a range of time periods, literary genres, and writers. From classic texts to contemporary creative writers and Evan-Moor pieces, students analyze fiction and nonfiction literature, examining and interpreting multiple literary devices within a single piece. In addition to reading, students strengthen their writing skills through narrative, informative, and persuasive compositions. They apply these forms of writing in essays, speeches, presentations, and other media. Students also compose an MLA-style research essay that includes headings, citations, and a Works Cited page. In addition, students produce a professional technical, or how-to, text that includes concise directions and images. The final topic of the course presents a wealth of valuable real-world skills. Notably, students practice important life skills, such as letter writing, filling out forms, and interviewing, while exploring career interests. Additionally, grammar is integrated regularly throughout the course to introduce and reinforce age-appropriate grammatical concepts. These lessons parallel the main lessons, and at the end of each grammar unit, students complete a summative workshop to apply the skills taught within that unit. Lastly, students complete creative projects, such as a family tree, an original narrative short story, a reinvention of themselves as a superhero, a song, and a writing portfolio. These projects and activities showcase students' abilities based on their learning styles. Overall, this course supports critical thinking and independent learning and application, while also incorporating social-emotional learning opportunities.

Grade 7 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 7 (continued)

7th Mathematics *P* ◉

GRADE 7 Mathematics S1 | S2 | YEAR

Students in Mathematics 7 begin their journey on the pathway to developing a strong mathematics framework. Students hone their arithmetic skills in this course, preparing them for more difficult and detailed calculations. Students work through fractions and decimals and begin developing algebraic skills by learning to work with and solve two-step equations. Students also explore probabilities, data, and statistics.

7th Music *P* ◉

GRADE 7 Electives FLEX

In Music 7, students explore the history, development, and attributes of American music. They will learn music theory and music reading skills, which are presented and reinforced within the context of historical musical works. Students interpret sheet music that represents various genres of American music. Additionally, students practice performing music vocally and with a pitched instrument.

7th Physical Education *P* ◉

GRADE 7 Electives FLEX

Physical Education 7 offers a comprehensive physical education course for students to assist them in creating a healthy lifestyle and living an active life. Students begin by learning about the required, supervised physical activity and how to document their activity in a PE Log. Students can also track their activity by using a physical fitness step tracker. Students then move through the course content, which ranges from topics about healthy living and eating to a variety of fun and challenging activities. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity students are asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine schedule. Students can be active by performing different exercises, by engaging in different activities, or by using items from their grade-appropriate physical education kit, which is available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items.

7th Science

GRADE 7 Science S1 | S2 | YEAR

Science 7 integrates life science, Earth and space science, and physical science while incorporating both engineering and scientific methods. In this course, students explore the ways in which humans have an impact on Earth's ecosystems and resources. They study the different forces at work on Earth and throughout the universe, learning about their importance in technologies and everyday phenomena. Students also investigate evidence of past life on Earth and how it evolved into the life that exists today. This course allows students to dig deeper into the inheritance of organisms and how these organisms adapt to their environments. Finally, students are introduced to waves, exploring how both sound and light waves are used in communication. This course includes multiple-day engineering design projects and hands-on labs, which are driven by real-world phenomena and meaningful storylines.

Grade 8

8th Art *P* ◉

GRADE 8 Electives FLEX

In Art 8, students will be introduced to design elements and principles, as well as contemporary art-making processes and the act of conceptual thinking. The Art 8 curriculum is designed to cover a half-year of instruction but can be completed at each student's own pace.

8th Language Arts *P* ◉

GRADE 8 Language Arts S1 | S2 | YEAR

English Language Arts 8 introduces students to literature and informational texts. Through lessons on the literary elements, the structure of texts, and the basics of grammar and composition, students apply analytical thinking skills to the works that they read. Students also delve into poetry in this course by dissecting the structure of poems, the language, and the terminology that is often affiliated with the genre. Students also apply their listening and speaking skills through presentations and projects.

Grade 8 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 8 (continued)

8th Mathematics *P* ◉

GRADE 8 Mathematics S1 | S2 | YEAR

Mathematics 8 prepares students for more difficult mathematics courses by exposing students to foundational arithmetic concepts. Students in this course examine the elements of geometry by being introduced to angles, lines, and points. Students apply this knowledge to graphs using coordinate planes and by completing calculations between two points' distances. Students also study scientific notation, which assists them in computations and provides a framework for more difficult calculations. Students will also analyze bivariate data using scatterplots and two-way tables.

8th Music *P* ◉

GRADE 8 Electives FLEX

In Music 8, students are introduced to a variety of music genres and instruments. They explore the concepts of rhythm, melody, timbre, texture, dynamics, form, and rhythm, and they learn to sight read music. Students listen to various examples of songs to interpret performances, and they compose and perform their own song.

8th Physical Education *P* ◉

GRADE 8 Electives FLEX

Physical Education 8 offers a complete physical education experience for students, helping them learn about and implement healthy habits. Whether it is through nutrition, exercise, or general life choices, students are educated on the multiple facets of creating a healthy lifestyle. Students begin by learning about the required physical activity and how to document their activity in a PE Log. Students can also track their activity by using a fitness tracker. Next, students begin to work through the course content, which ranges from topics about the F.I.T.T. principle and other fitness components to various fun and challenging activities and exercise techniques. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity students are asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kit, which is available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items.

8th Science *P* ◉

GRADE 8 Science S1 | S2 | YEAR

Science 8 combines the subjects of life science, Earth and space science, and physical science while incorporating both engineering and scientific methods. Students further their knowledge of the interactions of matter, learning about the properties of the periodic table and how reactions occur. Next, students learn about reproduction in cells and inheritance. In this part of the course, students analyze the difference between types of reproduction in cells, leading them to determine how traits and genetic differences in DNA occur. Students travel back in time and determine how clues from life in the past help to explain, map, and classify existing life on Earth. Students also explore ecosystems and how precious they are to life on Earth, analyzing how even the smallest impacts can have large effects on populations. Finally, students investigate wave technologies and how those technologies are used on Earth for advancements in science and economic growth.

Grade 6, 7, 8

Middle School Civics and Government *P* ◉

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

Middle School Civics and Government introduces students to the basic principles of the democratic government of the United States. Students examine the structure of legislation, including the numerous branches of government and the roles that each branch plays governing the nation. Students look at local and state governments, including mandates and laws and how those laws affect citizens locally and nationally.

Middle School Earth and Space Science *P* ◉

GRADE 6, 7, 8 Science S1 | S2 | YEAR

In Middle School Earth and Space Science, students study the planet Earth and the extensive solar system structure in which it resides. They evaluate Earth's climate and its weather patterns and changes, and they learn about life science and how chemistry and physics play a role in Earth's major processes. Students also investigate climate change and the ways in which global warming impacts Earth. By evaluating the numerous facets of our planet, students prepare for higher level and more subject-specific science courses.

Grades 6, 7, 8 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 6, 7, 8 (continued)

Middle School Geography *P* ◉

GRADE 6, 7, 8 Science SEM

Students learn to study the Earth's landscape in Middle School Geography. In this course, students learn that geography extends beyond physical structures by exploring geographical facets such as regions, ethnicities, and trade routes, in addition to landforms. By studying the geography, history, culture, religion, and contemporary issues facing a certain group of people or a specific area of space, students discover a significant amount of information about people in the present and in the past.

Middle School Health *P* ◉

GRADE 6, 7, 8 Science SEM

Middle School Health explores each of the health dimensions, including physical health, social health, emotional health, and intellectual health. Students learn about healthy eating habits, safe exercise routines, and ways to prevent disease. They also study how to improve their emotional and intellectual well-being, including methods for boosting their self-confidence and enhancing their decision-making skills. In addition, students learn to apply refusal skills when faced with peer pressure while maintaining healthy relationships. By the end of the course, students will have the tools necessary to improve all areas of health in order to achieve total wellness and make healthier lifestyles choices.

Middle School Life Science *P* ◉

GRADE 6, 7, 8 Science S1 | S2 | YEAR

Middle School Life Science introduces students to an integrated approach to physical and life sciences. Students study science concepts and problem solving, while exploring the many aspects of the living and nonliving world around them. Students review numerous cycles of life and study their impact on animal, plant, and human life. Students also investigate important topics in histology, heredity, and the biology of living organisms.

Middle School Nutrition and Personal Fitness *P* ◉

GRADE 6, 7, 8 Science S1 | S2 | YEAR

In Middle School Nutrition and Personal Fitness, students explore nutrition, dietary needs, and physical fitness. With a foundation in nutrition principles and practices, students read food labels and identify food safety concerns. With regard to physical fitness, students analyze exercise guidelines that promote healthy lifestyles.

Middle School Physical Science *P* ◉

GRADE 6, 7, 8 Science SEM

Middle School Physical Science introduces students to the foundational concepts of both physics and chemistry. Students begin by studying topics related to the nature of science and engineering, where they gain the skills necessary to succeed in inquiry-based and engineering labs. They move on to learn the general principles of chemistry and physics, including matter and energy, chemical reactions, motion and forces, and interactions of waves. This course allows students to explore these major concepts through unique labs based on real-world phenomena.

Middle School U.S. History *P* ◉

GRADE 6, 7, 8 Social Studies SEM

Middle School U.S. History explores the history of the United States from before the arrival of Europeans in North America to the events of the 2016 presidential election. Students begin the course by examining North America before the arrival of European explorers and the establishment of colonies. Students learn about life in the colonies, British rule, and the events that led to the Revolutionary War. After learning about the American Revolution, students explore early U.S. government, westward expansion, the influence of the Industrial Revolution, and the Civil War. Then, they study life after the Civil War, Progressivism, Imperialism, and the onset of World War I. Next, students analyze the Roaring Twenties, the Great Depression, and World War II. Finally, students examine the Civil Rights movement, the Cold War, life in the 1960s and 1970s, and modern-day policies and events.

Middle School U.S. History to 1877 *P* ◉

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

Middle School U.S. History to 1877 encompasses the discovery of North America by European explorers, colonization, the Revolutionary War, and the Civil War. Students begin the course by learning about Native American tribes that existed in North America before the arrival of European explorers and colonization. Students then examine colonial life and the French and Indian War, as well as the events that preceded the Revolutionary War, the development of the U.S. government, and westward expansion. Finally, students study the events and circumstances that inspired the Civil War, key aspects of the Civil War, and the Reconstruction era.

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 9

9th Physical Education *P* ◉

GRADE 9 Electives S1 | S2 | YEAR

Physical Education 9 provides a comprehensive physical education course for students, focusing on teaching them how to live both healthy and active lives. Whether it is with nutrition, exercise, or general life choices, students are educated on the multiple facets of creating a healthy lifestyle. Students begin by learning about the required 72 hours of supervised, physical activity and how to document their activity in a PE Log. Students can also track their activity by using a Moveband fitness tracker. As they begin the course, students focus on different physical fitness components (including F.I.T.T.) in addition to various fun and challenging activities and exercise techniques. They receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity students are asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

Grade 10

10th Physical Education *P* ◉

GRADE 10 Electives S1 | S2 | YEAR

Physical Education 10 offers a complete physical education experience for students. The course, which includes a mix of health-related information and physical fitness activities, focuses on teaching students how to live both healthy and active lives. Students begin the course by reviewing the requirement of 72 hours of supervised, physical activity and learn to document their activity in a PE Log. They can also track their activity by using their Moveband, an electronic fitness tracker. Next, students explore a variety of health and physical fitness components such as using fitness equipment and playing organized games. When students are asked to complete an exercise or activity, they receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of what activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time in each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

Grade 11

11th Physical Education *P* ◉

GRADE 11 Electives S1 | S2 | YEAR

Physical Education 11 provides students with a complete physical education course, which includes a mix of nutrition-related insight into physical fitness activities. Students begin by learning about the required 72 hours of supervised, physical activity and how to document their activity in a PE Log. They can manually track activity or use their Moveband, an electronic fitness tracker. Next, students explore a variety of health and physical fitness components such as using fitness equipment and playing organized games. When students are asked to complete an exercise or activity, they receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of what activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time in each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

L-Synchronous

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grade 12

12th Physical Education *P* ◉

GRADE 12 Electives S1 | S2 | YEAR

Physical Education 12 delivers a comprehensive physical education experience for students. They receive a mix of instruction on nutrition and physical activities, in addition to information that will help them make better, more health-conscious decisions. The course will guide them in leading a more fit and active lifestyle. Students begin by learning about the required 72 hours of supervised, physical activity and how to document their activity in a PE Log. They can manually track activity or use their Movband, an electronic fitness tracker. The course then moves into content ranging from the F.I.T.T. principle and nutrition to a variety of exercises and physical activities. When students are asked to complete an exercise or activity, they receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of what activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time in each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

Grades 9, 10, 11, 12

1960s America *P* ◉ ★

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

The 1960s America course gives students a look at life during this exciting and monumental decade. This course covers the social, political, and cultural movements and changes that occurred in the 1960s. Students explore different historical events and determine how these events impacted American citizens during the decade and afterward. The course also focuses on significant headlines of the 1960s to give students a realistic perspective of this decade.

Advertising *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Throughout the Advertising course, students discover the various ways that advertisements touch their lives. This course presents a comprehensive introduction to the field of advertising, which includes its purpose and the theory behind it. In this course, students learn to identify target markets, distinguish different types of business, and interpret the information they gather to create a winning advertising plan. Students investigate the needs and wants of both the consumers to whom they are advertising and the companies for which they are creating the advertisement. Lessons will cover the basic skills and knowledge required to work in the advertising world and will guide students through the creation of a complete advertising plan. Students in this course are presented with a realistic idea of what a career in advertising entails.

African American History *P* ◉ ★

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

African American History is a survey course that spans the history of America, including ancient African society and culture through the presidency of Barack Obama. Students examine the African American struggle to secure their constitutional rights. This course explores the powerful and influential role of African Americans in U.S. history.

African American Literature *P* ◉ ★

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

African American Literature is a survey course that spans the history of America as it relates to the lives of African Americans. Students explore the forcible transport of individuals from Africa to America, the publication of narratives of enslaved men and women, the abolition of slavery under President Lincoln, the civil rights movement, and the presidency of Barack Obama. Students explore the powerful and influential roles that African Americans have played in U.S. history. They discover the contributions of African American activists, artists, and authors through literature and nonfiction texts such as biographies, autobiographies, memoirs, court cases, historical texts, and litigations.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued

Algebra 1 *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Algebra I, students explore variables, function patterns, graphs, and equations. They will describe and translate graphic, algebraic, numeric, and verbal representations of relations and use those representations to solve problems. Students will develop computational, procedural, and problem-solving skills throughout this course, building a solid foundation for further study in mathematics.

Algebra 2 *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Algebra II, students analyze situations verbally, numerically, graphically, and symbolically. Students solve equations and inequalities. They extend their knowledge of algebraic expressions, absolute value, functions, and graphs. The Algebra II course prepares students for more difficult mathematical concepts and content.

American History 1 - Colonies through Civil War

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

American History 2 - Reconstruction through WWII *P* ◉ ★

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

American History 3 - Post WWII to Present *P* ◉ ★

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

American Literature *P* ◉ ★

GRADE 9, 10, 11, 12 Social Studies SEM

In American Literature, students explore various cultural periods of American literature. They examine numerous aspects of Romanticism, literature from multiple historical eras of the United States, and contributions made by significant American leaders. In addition to discovering multiple genres and investigating numerous periods of writing, students also explore the basics of literature, writing, and grammar.

Anatomy and Physiology *P* ◉ ★

GRADE 9, 10, 11, 12 Science SEM

The Anatomy and Physiology course allows students to discover the fascinating dynamics of the human body. Students begin by exploring the history of anatomy, essential anatomical terminology, and the hierarchical organization of the human body. Next, students are introduced to basic biochemistry and cellular processes, which includes a virtual tour of the cell. Students also investigate the structure, function, hierarchy, and diseases associated with each organ system. Completion of one full year of high school Biology is required in order to understand the numerous biological concepts presented in this course.

Ancient History *P* ◉

GRADE 9, 10, 11, 12 Social Studies SEM

Ancient History enables students to explore the cultures of ancient civilizations throughout the world. They discover each civilization's contributions to art, music, literature, education, religion, science, technology, government, and philosophy. Students explore aspects of humanity from prehistoric to about 500 CE.d.

Applied Mathematics *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Applied Mathematics covers the fundamental mathematics necessary for students to obtain a broad range of skills. Although problems in this course apply to a variety of topics from Algebra to Geometry, emphasis is given to real-world applications. Students write and solve linear equations to represent situations such as the value of a car or the distance that a plane travels during a trip. They also learn to solve quadratic equations and find the maximum value of quadratic equations. Students explore area, perimeter, and volume, and then they apply these concepts to situations such as building a swimming pool. Students calculate conversions between the U.S. customary system of measurements and the metric system. Geometry concepts presented in this course include the Pythagorean Theorem, using similar triangles, finding dimensions, and interpreting scale on a map. Finally, students use statistical concepts to interpret data sets and turn those data sets into graphical representations.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued

Art and Visual Culture *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Art and Visual Culture, students analyze and interpret artwork created by others, examine the concepts of aesthetics and art criticism, and explore the practical application of art in a variety of careers. Art and Visual Culture highlights drawing as a form of communication and introduces students to the elements of art and principles of design through hands-on activities. Students sharpen their observation skills using a variety of art media and become adept at using basic techniques and processes to depict the world around them. Furthermore, students express their thoughts and feelings through art practice and experimentation. This course prepares students to pursue art as an area of study. It explores a variety of artists and mature content.

Art Appreciation *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In Art Appreciation, students explore visual art from the ancient world to the present day. Students investigate various topics such as the mysteries surrounding Stonehenge, the lives of famous Renaissance artists, the way celebrities influenced the Pop Art movement, and the reasons why public memorials are created. This course highlights the important connections between visual art, culture, and human history and allows students to analyze and interpret artworks. Art history comes alive as students emulate basic techniques used by well-known artists.

Astronomy *P* ◉ ★

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In Astronomy, students begin by discussing basic astronomical concepts and discoveries throughout history. They take an in-depth look at the first moments of the universe by studying the Big Bang. From there, they investigate the evolution of the universe, beginning with the first atoms and moving on to explore elements, stars, solar systems, and galaxies. Students gather information to determine if there is a possibility of life on other planets and in other solar systems. Students analyze the major space missions that have led to the modern study of cosmology, and they explore the possibilities of where this field may take scientists in the future.

Biology *P* ◉ ★

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Biology covers a wide range of concepts in the field of biology. They are introduced to the concept of cell structure and function, and investigate Mendelian genetics and how humans inherit traits. Students also analyze the structure and mechanisms of DNA, as well as the role of biotechnology in today's society. This course presents the theory of evolution, including early ideas, how populations evolve, and the history of life on Earth. Students explore the concept of ecology, where they study the different principles of ecology, interactions that occur within ecosystems, the biosphere, and how humans have impacted ecosystems thus far.

British Literature *P* ◉ ★

GRADE 9, 10, 11, 12 Language Arts SEM

British Literature provides students with a survey of literature in this genre. Students explore the Anglo-Saxon and medieval eras, the English Renaissance, and the Restoration and Enlightenment periods. They analyze how authors from this region have traditionally constructed texts and developed prominent and long-lasting literature. In this course, students examine a variety of styles and use the vocabulary that is characteristic of the literature pieces they are reading. This course offers students numerous chances to discuss, analyze, synthesize, and evaluate the texts they read through a wide range of writing and thinking exercises.

Business Applications *P* ◉ ★

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Business Applications, students focus on business software and the corresponding skills required in the business world. The course begins with an overview of computers, including hardware, software, and operating systems. Students explore spreadsheet, word processing, presentation, and database software and discover how to fulfill a customer request using these skills. They also study web-based applications and additional software packages and learn about Internet technology. Students investigate common security concerns and discover how to prevent security issues. Finally, students experience the software development cycle where they learn how various professionals utilize business applications. They discover the importance of moral and ethical responsibility in an online community. Students must possess basic spreadsheet, word processing, and presentation software skills before entering this course. Additionally, students must be independent learners, and they must be comfortable learning new technology and researching software features and functions.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued

Business Management *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

Business Management guides students through examples of their roles as wage earners, consumers, and citizens as they explore the wide, exciting world of business. Students examine topics ranging from extensive credit use to the role of government in the U.S. economy. Students are encouraged to take Introduction to Business as a prerequisite to Business Management, as Business Management dives deeper into the different aspects of managing a business successfully.

Business Mathematics *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics SEM

In Business Mathematics, students discover a variety of basic mathematical concepts and tools for real-word mathematical application including algebraic equations, formulas, operations using fractions, decimals, and percentages. This course shows students how to work with percentages to solve application problems and how to research investment and insurance options. Students learn to graph a function from an equation, and they work with ratios and proportions. Additionally, students explore the proper methods of preparing and analyzing income statements and balance sheets. They also study the ways in which to calculate real estate loan payments, and they learn to read and interpret graphs to represent data in the business world. This course also discusses mean, median, and mode as it relates to the distribution of data.

Calculus *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Calculus evaluates higher-level mathematics through analytical/algebraic, numerical, graphical, and verbal methods. Students study various components of mathematics, including the investigation of trigonometric functions, probability, and series. Students will strengthen their skills with Pre-Calculus and Trigonometry concepts in preparation for post-secondary coursework. Having a strong calculus knowledge base supports all students, but mostly those students who are interested in careers in the mathematics and engineering fields.

Career Explorations *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Career Explorations allows students to investigate the necessary steps to prepare for careers that match their interests, abilities, and aptitudes. Students research various careers, their roles in society, job duties, required education and qualifications, and salary and outlook. They acquire job-seeking skills such as resume writing, interviewing, and portfolio development skills. Students discover workplace dynamics, how to navigate challenging situations, and explore various techniques for advancing in their chosen career field. This course prepares students to manage the financial challenges they will face as they prepare for a career and future employment. Students apply newly acquired knowledge and skills in a real-world experience to further solidify future career plans.

Chemistry *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Chemistry gives students a deeper understanding of the world around them as they investigate how chemistry is involved in everyday life. Students explore fundamental chemistry content and concepts, including the metric system, the periodic table, atomic structures, bonding, chemical reactions, and nuclear reactions. They apply their knowledge and science process skills through labs that use common, household objects in order to explore the practicality of chemistry. As a prerequisite to Chemistry, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

Civics and Government *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

Civics and Government offers students an introduction to the foundation of the democratic government of the U.S. and the basic principles of the judicial system. In this course, students explore what it means to be a citizen, as well as the structure of the legislative, executive, and judicial branches of the U.S. government. Students learn about how these branches work together. Students also look at the characteristics of state and local governments throughout the country to examine the organization and responsibilities of these branches. Students also explore the components of the American economy, including its foundations and how it interacts with other economies of the world.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued

Communications *P* ◉

GRADE 9, 10, 11, 12 High School Electives SEM

In Communications, students explore various aspects of communication. They investigate the foundations of communication by analyzing, applying, and designing creative works essential to the professional communications industry. This course establishes a comprehensive foundation for students interested in a post-secondary career in communications.

Consumer Mathematics *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics SEM

In Consumer Mathematics, students learn mathematical concepts that they will use in their daily lives. They focus on real-world topics that require addition, subtraction, multiplication, and division of whole numbers, as well as fractions, decimals, ratios, proportions, and percentages. Students also explore the ways in which real-life activities such as traveling, purchasing a new car or house, or even installing new carpeting relates to mathematics. Consumer Mathematics relates everyday mathematics concepts to concrete definitions, processes, and many real-life situations.

Creative Writing *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

Creative Writing is a course in which students discover, analyze, and apply the methods and styles used in various forms of fiction, creative nonfiction, drama, and poetry. It emphasizes experimentation and practice, and it encourages students to take cues from published writers and poets. Students express themselves while learning various genres and their respective writing rules. Students also explore related topics, including word choice, diction, form, editing, idea generation, and other skills useful in nonfiction writing. Students do a great deal of writing in this course.

Debate *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

In the Debate course, students learn crucial debate terminology, speech strategies, and persuasive techniques. Students investigate rhetoric and learn to consider multiple and divergent perspectives. Throughout this course, students develop the skills necessary to execute a well-versed and effectively supported argument. This study of supporting claims with credible evidence will allow students to engage in effective persuasive discourse.

Earth Science *P* ◉ ★

GRADE 9, 10, 11, 12 Science SEM

In Earth Science, students discover the theories about how Earth first formed. They explore Earth's history and the different geologic processes that continually take effect and help to shape the planet. Students debate the ways in which human impacts affect the Earth's climate, and they view Earth as a body within the solar system and universe. They also review Earth's renewable and finite resources. The course concludes with a virtual tour of Earth's atmosphere and oceans.

Economics *P* ◉

GRADE 9, 10, 11, 12 Social Studies SEM

Economics presents an overview of microeconomics and macroeconomics. It discusses economic theories, economic systems, various economic concepts, and the global economy. Students will examine the economy of the United States in depth and compare it to other economies. Students will also explore personal banking and how to prepare for their financial future.

English 1 *P* ◉ ★

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English Language Arts 9 introduces students to elements of literature from classic to modern times using the genres of fiction and nonfiction. Through reading and the study of literary elements, such as plot and setting, character, narrator and voice, tone and mood, and symbolism and irony, students develop skills in literary analysis and interpretation. Students also examine form, style, and persuasion within nonfiction works. In this course, students strengthen their vocabulary, grammar, and mechanics. They also focus on the stages of the writing process.

English 2 *P* ◉ ★

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English Language Arts 10, students focus on literature, grammar, and composition. They examine the different elements of a story, including plot, setting, character, narrator, and voice. Throughout the course, students also study various parts of speech, readings, and poetry. English Language Arts 10 presents students with many different types and styles of writing in order to provide a thorough examination of language and literature.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued

English Grammar *P* ◉

GRADE 9, 10, 11, 12 Language Arts SEM

Students enrolled in English Grammar explore basic, intermediate, and advanced concepts of grammar, language, style, and composition. By analyzing word meaning and function, students will generate content using appropriate grammatical expressions. Students will examine provided writing samples and their own compositions to enhance their skills. The English Grammar curriculum is designed to cover a half-year of instruction, but it can be completed at each student's own pace.

Environmental Science *P* ◉ ★

GRADE 9, 10, 11, 12 Science SEM

Environmental Science introduces students to the scientific method, terrestrial and aquatic ecosystems, biomes of the world, tropic interactions, and nutrient and chemical cycles. Students analyze the human impact on the environment and ways to reduce negative consequences. Students investigate environmental issues first hand and use their discoveries to make environmental decisions for themselves.

Exploring Cinema *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Exploring Cinema introduces students to film-making and cinematic productions. In this course, students explore the technology used to create a film and begin to build an aesthetic appreciation of films. Students also explore media art and the ethics of media creation, giving them a wider perspective on the different ways material can be presented.

Fashion Design *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Fashion Design is an advanced course for students interested in learning the intricate process of how the fashion system works. Students will study the fashion business in sequential order from concept to consumer. They will examine all of the processes involved in the industry from producing raw materials, apparel, and accessories to the retail stores that sell fashion merchandise to the public. Students learn that the decision-making process is complex and not just about the latest designers, styles, or trends of an era. In this course, students will explore the history of fashion, including the looks and creations at every era. They will discover the equipment, tools, and fabrics used to create fashion, and they will learn how technology is used in fashion. Students have an opportunity to express themselves and their style through the creation of their own fashion design sketches and mood boards. Students will learn fashion terminology and how to forecast new and upcoming fashion trends.

Forensic Science *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

Students enrolled in Forensic Science will develop a better understanding of the reality of forensic science, which is often contradicted by the fictional forensic science portrayed in entertainment. Students begin by exploring the history and background of forensic science. They discover several forensic science disciplines, such as pathology, anthropology, toxicology, serology, entomology, and odontology. Students learn and use proper lab practices, which ensure the integrity of any collected organic and inorganic evidence. Students investigate chromatography, spectroscopy, and microscopy techniques. They also explore and survey the impact of DNA analysis and questioned document analysis on forensic science. This course teaches the proper handling of impression evidence, such as shoe print, foot, tire, lip print, firearm, and fingerprint impressions while students examine the analysis of trace evidence, including hair and glass. The course concludes with an exploration into the ways in which forensic science is interconnected with the legal system, as well as what the future holds for forensic science. It includes numerous hands-on labs, including measuring a hypothetical time of death, extracting their own DNA, and analyzing their own fingerprint impressions. Forensic Science is ideal for high school students who are interested in forensic science, biology, law, and/or criminalistics. Students must possess basic spreadsheet, word processing, and presentation software knowledge as a prerequisite. Completion of one full year of high school Biology is required in order to evaluate the numerous biological concepts present in this course. In addition, students must be mature, independent learners and comfortable learning new technology.

Fundamentals of Ecology *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

Fundamentals of Ecology allows students to explore the ways in which organisms interact with their surrounding environments. Students will investigate ecological principles, such as natural selection, population and population dynamics, biodiversity, and the sustainability of ecosystems. Students also analyze major ecological challenges and the different ways society is working to mitigate these challenges.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued

Geometry *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Geometry, students begin to create a solid foundation in mathematics by studying and exploring a wide range of geometric concepts. Students study the basics of geometric equations and how these equations are present in daily life. They calculate perimeter and work directly with angles and arcs to evaluate the importance of geometric math in construction.

Greek and Roman Mythology *P* ◉ ★

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Greek and Roman Mythology, students explore myths from Greece and Rome. They examine the history of mythology and some of the key gods and goddesses. Students learn to connect the cultures of ancient Greece and Rome with the culture of today. Throughout this course, students use technology and artistic practices to express their knowledge. In addition, they explore vocabulary, literary, and narrative elements, in addition to writing through the lens of mythology. Students work through the process of writing myths of their own through planning, drafting, revising, and publishing.

Health *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Health, students discover how to make conscientious decisions when attempting to improve their overall health and wellness. From healthy lifestyles, diets, and exercise to responsibilities within individual families and larger communities, topics within the health discipline are pertinent and applicable to all students. Throughout the course, students review concepts that promote safe, healthy, and active lifestyles.

High School Health *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

High School Nutrition and Personal Fitness *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

High School Nutrition and Personal Fitness helps students to recognize the impacts that nutritional choices and personal fitness play within their lives. Students learn practical ways to control their health through nutrition, exercise, and stress management. Students discover that physical fitness will help them to feel good.

Human Development and Family Studies *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Students in the Human Development and Family Studies course explore the basic information about human development, parenting roles and strategies, and functioning effectively within the family in today's changing and complex society. This course helps students to develop competencies related to genetics, family types, and effective communication. They investigate the ways in which humans develop over their lifespan, human relationships, child care, and child abuse. Students also learn the importance of creating a nurturing and caring home environment

Introduction to Business *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In the Introduction to Business course, students explore their roles as wage earners, consumers, and citizens as they discover the wide, exciting world of business. In this introductory course, students investigate topics pertaining to investment strategies and business communications that are vital for success in today's economy. Students analyze the impact of marketing and the role of the government in the realm of business and economy.

Introduction to College Writing *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

Lincoln Empowered Introduction to College Writing prepares students to create freshman writing pieces as they move toward their post-secondary education. In this course, they learn the skills necessary to build a solid foundation for basic college writing as they focus on informative and persuasive writing. Students practice organization, tone, and style in their work to ensure that they are well-rounded and skilled writers. Finally, students discover how to locate and present research and evidence in a logical, well-organized manner.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ⦿ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued)

Introduction to Computer Programming *P* ⦿

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Students gain a broad overview of computer programming by exploring the logic, thought processes, and basic elements of writing code. As part of this exploration, students examine various programming languages, databases, and the Internet. Through this overview of computer programming, students relate the course concepts to daily life by investigating careers in technology and by learning how to responsibly navigate through our digital society.

Introduction to Digital Media *P* ⦿

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Introduction to Digital Media provides students with a foundation in graphic arts, sound, and video media. Students explore production and portfolio generation while evaluating and analyzing other artists. Topics extend beyond the actual visual demonstrations, allowing students to review the editing process for images, sound, and video. In this introductory course, students explore the vast possibilities of digital media, how it is used in everyday advertising and art, and where innovation exists within the field. Requisite Adobe software is Audition, Bridge, Illustrator, Photoshop, Portfolio, Premiere

Introduction to Engineering *P* ⦿

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Introduction to Engineering provides students with an overview of the field of engineering and the primary processes and procedures used by engineers. Students explore engineering careers and their impacts on society, and they learn how mathematics and science are used in the field of engineering. They examine different engineering disciplines, the engineering design process, and various engineering styles and methods used in the field. Students take part in hands-on learning as they work through a real-life design problem and solve it through the steps of the engineering design process. The course concludes with a student-created presentation to demonstrate their solution to the design problem. Introduction to Engineering is an excellent addition to a STEM-centered curriculum. Students must have completed Algebra I as a prerequisite and must possess basic spreadsheet, word processing, and presentation software knowledge.

Introduction to Foreign Language *P* ⦿

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Introduction to Foreign Language course is geared toward students who are interested in taking a foreign language course, but are not sure in which language they would like to begin their studies. This course provides an introduction to German, Spanish, and French languages, allowing students to explore the culture and other important dynamics associated with each language. Students learn the basic vocabulary and structures of the languages in ways that are fun and educational.

Introduction to Typing *P* ⦿

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In the Introduction to Typing course, students study the proper typing techniques in order to increase their typing speed or WPM (words per minute). Students practice proper posture, finger positioning, and typing strategies, and they explore safe Internet practices.

Law *P* ⦿ ★

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In the Law course, students examine citizen obligations to law enforcement, the court system, and the rules and regulations that all Americans are expected to uphold. They explore the terminology and the regulations that structure and control society. Students study different types of crime and the law enforcement powers that are put in place to regulate and diminish overall crime. Students who are interested in a law career will benefit from learning the law and justice terminology presented in this course. Warning: This content contains subject matter that may be considered offensive or graphic.

Life Skills *P* ⦿

GRADE 9, 10, 11, 12 Electives SEM

Life Skills provides students with important information that will help them to lead independent and successful lives as adults. In this course, students focus on topics including personal finance, nutrition, and personal development. The useful skills students gain in this course will help them to become responsible and proactive young adults.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued)

Marketing *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Throughout the Marketing course, students discover the various ways marketing affects their lives. This course introduces students to the study and implementation of market analysis, which focuses on identifying customer needs and desires and supplying them with those exact requests. The course provides a solid foundation for students contemplating careers in marketing, advertising, or other business-related and commercial fields.

Media Writing *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Media Writing is designed for students who are interested in careers in broadcast journalism, communications, or media. In this course, students explore the basics of media writing in addition to careers in print, online, and broadcast media. Students investigate the numerous styles of writing for a number of applications, including newspapers, magazines, audio broadcasts, video broadcasts, and the Internet. In addition, students practice researching, locating, and using sources that are reliable and valid.

Music Appreciation *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Music Appreciation stimulates personal growth when listening to music by exposing the student to a large variety of music with provided listening maps indicating applicable music terminology. Students will be able to explain personal music preference and identify how music is impacted by technology, social values, and daily life of the composers. Students develop an understanding of composer's intent and the ability to rationalize personal interpretation of music works. Similarities and contrasts in music throughout the eras are identified as well as how previous compositions impact future compositions. This course is well suited for advanced upper-level secondary students who plan to focus on music during their post-secondary studies.

Nutrition and Personal Fitness *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

High School Nutrition and Personal Fitness helps students to recognize the impacts that nutritional choices and personal fitness play within their lives. Students learn practical ways to control their health through nutrition, exercise, and stress management. Students discover that physical fitness will help them to feel good.

Physical Science *P* ◉ ★

GRADE 9, 10, 11, 12 Science SEM

Physical Science are introduced to the principles of chemistry and physics so that they may develop a better understanding of atoms, chemical reactions, and nuclear interactions. Students explore the properties and states of matter and investigate chemical bonds and reactions. Students will investigate the development of the periodic table, an outline of modern atomic theory, and organic and nuclear chemistry. Additionally, students study Newton's laws of motion while considering the interactions between motion, forces, energy, and thermodynamics. As a prerequisite to Physical Science, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

Physics *P* ◉ ★

GRADE 9, 10, 11, 12 Science SEM

Students enrolled in Physics advance their knowledge and understanding of concepts in previous general science courses. In this course, students examine classical mechanics while learning to calculate concepts in one-dimensional, two-dimensional, and circular motion. Students explore work and energy in addition to the concepts of waves, sound, light, optics, and electromagnetism. The course concludes with an analysis of nuclear physics and a debate on quantum physics. This course requires students to use fundamental algebra and analytical skills to solve problems and analyze situations. As a prerequisite to Physics, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge. While the completion of Trigonometry is not required, a pre-or co-requisite of Trigonometry will allow students to be better prepared for calculations involving dynamics, vectors, and kinematics.

Poetry *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

Poetry is a course for students who are interested in learning more about different types of poetry and writing their own poetry. In Poetry, students explore the elements of a poem, including theme, poetic devices, rhyme, meter, and word choice. Students evaluate different poetic structures and draft and create their own poems in these structures. In this course, students use evidence to support analysis, conduct research, and write research papers.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued)

Political Science *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

Political Science is an introduction to political science as an academic discipline. Students discover the origin, creation, and function of different political systems within the United States and across the globe. Students explore political theories, such as systems theory and the social contract theory. Additionally, students examine economic concepts, how countries interact with one another, international governmental organizations and non-governmental organizations, and the role of media in politics while developing skills in research methodology.

Pre-Algebra *P* ◉

GRADE 9, 10, 11, 12 Mathematics SEM

In Pre-Algebra, students explore concepts such as integers, expressions, equations, and fractions. This course provides students with a solid foundation for Algebra I and emphasizes the use of technology, problem solving, critical thinking, and reasoning.

Pre-Calculus *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics SEM

In Pre-Calculus, students develop a deeper and more thorough understanding of functions and graphs. Graphs that students study range from polynomial and rational to exponential, logarithmic, and trigonometric. Some exponential and logarithmic topics discussed in this course are change of base formulas, properties of logs, growth and decay, and logistic growth models.

Probability and Statistics *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Students enrolled in Probability and Statistics build a strong foundation in calculating probabilities and evaluating statistics. The Probability and Statistics curriculum is designed to cover a half year of instruction but can be completed at each student's own pace. Students enrolled in the course explore the representation of statistical data, work with scatter plots, and analyze statistical data using properties and theorems, and more.

Psychology *P* ◉ ★

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Psychology, students explore the science of explaining and controlling human behavior. Psychology plays an integral part in everyday life because all decisions, relations, and emotions are closely tied to behavior and genetics. Within this course, students look at behavior, and they consider prominent psychologists who have made impressive and monumental discoveries through testing, research projects, and proving theories. Students study everything from the anatomy of the brain to psychological disorders.

Short Stories *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

Short Stories exposes students to the basic characteristics, writing style, and literary elements of a story. From characters, point of view, and setting to techniques such as suspense and irony, students learn how short stories provide readers with the opportunity to experience different story lines in a precise and defined format. Students become acquainted with the compact nature of the short story literary form and each author's ability to weave exciting, interesting narratives in such short, tight spaces. Students learn the importance of being concise, recognizing that good literature does not necessarily have to be lengthy in order to be captivating.

Sociology *P* ◉ ★

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In the Sociology course, students explore the various topics and sociological terminology necessary for understanding and exploring the field. Students investigate major sociological perspectives and the famous sociologists who invented and contributed to them. Additionally, students determine how researchers perform valid and reliable sociological studies. This course is ideal for students who are interested in pursuing post-secondary careers in sociology, psychology, law, or other social sciences.

Sports Medicine *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Sports Medicine provides students with basic knowledge of the history of sports medicine, the anatomy of the body, and the common injuries that occur in sports. In addition, the course discusses techniques used in sports medicine to train and strengthen the body, treatments for injury and disease, and proper nutrition for athletes. As prerequisites, students must possess basic word processing and presentation software skills. Completion of one full year of high school Biology is required in order to evaluate the numerous biological concepts present in this course.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12 (continued)

Technical Writing *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Written-communication skills and professional documentation are central to the Technical Writing course. This course enables students to analyze a variety of real-world documents and allows them to perfect their technical writing abilities. Students encounter numerous types of technical writing, including journal writing, email drafting, persuasive writing, memo creation, letter drafting, and marketing and advertising, allowing them to build upon their own technical writing skills and knowledge. Students are also given an assortment of project-based assignments throughout the course.

Theatre *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Theatre I invites students to explore the history of theatre and the basic elements of stage production. The course highlights the technology used to create early and modern stage productions and the basic fundamentals of acting. Theatre I provides students with a look at production elements such as stage lighting, sound, costume, and makeup. Students learn to apply voice and gesture skills in pantomimed and improvised scenarios, and they receive an overview of the responsibilities of the producer, director, and technical crew of a theatre production. Students develop insight to the motivations of a playwright in the development of a story, and they explore the careers and works of famous playwrights. Theatre I provides a balanced educational experience for all students so that they can gain the inquiry and critical skills involved in clarifying theatrical perceptions and knowledge.

Trigonometry *P* ◉ ★

GRADE 9, 10, 11, 12 Mathematics SEM

Trigonometry is offered for students who want to continue a rigorous study of mathematics. The course begins by reviewing the real number system, characteristics of functions, and solving equations. Topics from right-triangle trigonometry lead to an in-depth study of the unit circle and trigonometric functions, their graphs, and their inverses. In their study of analytic trigonometry, students verify identities and solve trigonometric equations. The course covers the Law of Cosines, the Law of Sines, and vectors. It closes with a complete study of conics, parametric equations, and polar curves. Before enrolling in this course, students should have completed Algebra II and Geometry.

U.S. History 1 *P* ◉ ★

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

United States History I introduces students to early American history and covers topics ranging from the first inhabitants of the North American continent through the end of the American Civil War. Students examine the growth of the United States, including major events that led to the American Revolution; post-Revolutionary War growth; the political, economic, and social landscape in the early 1800s; slavery; and territorial expansion. Students explore the concept of Manifest Destiny and the Civil War, leading to an analysis of the state of the nation at the Civil War's end.

U.S. History 2 *P* ◉ ★

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In United States History II students continue to study United States history by exploring important historical moments from the Reconstruction era through the end of World War II. Students learn about the industrialization of this growing nation and the economic and social changes it underwent as the nation transitioned from an agricultural society to an industrial society. Students also analyze the challenges the nation faced as it was forced to choose between isolation and involvement in international armed conflicts. This course guides students as they interpret the extraordinary changes the nation went through after the American Civil War and examine how those changes ultimately led to the United States' emergence as an international power at the conclusion of World War II.

World and Cultural Mythology *P* ◉ ★

GRADE 9, 10, 11, 12 Electives SEM

World and Cultural Mythology is the perfect course for students looking for an interactive way to learn about mythology and myths from around the world. The course focuses on different dynamics of myths and analyzes aspects of myths found in different cultures. The course looks at the type of writing styles used in different myths, including common terminology, sentence structure, and writing techniques. Finally, students evaluate mythical places and sacred locations, including the characters commonly found in myths, such as gods, goddesses, monsters, heroes, and deities.

Grades 9, 10, 11, 12 continued

L-Synchronous

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ★ **NCAA**

Grades 9, 10, 11, 12

World Cultures *P* ◉ ★

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

World Cultures explains global geography, history, and culture to students. In this course, students study the major political powers of each era and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the course, students examine a world at war, navigating the Great War, nationalist movements in Russia and Asia, World War II, the Cold War, Third World independence, and struggles for democracy. The course closes with discussions of current global issues such as terrorism, technology, economy, pollution, and renewable energy.

World Geography *P* ◉ ★

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In World Geography, students explore the principles and tools of geography while examining the world as geographers. Students gain cultural perspectives by exploring the physical and human geographic aspects of each continent and its regions. This enables students to analyze cultures throughout the world and examine how the global community impacts their lives.

World History *P* ◉ ★

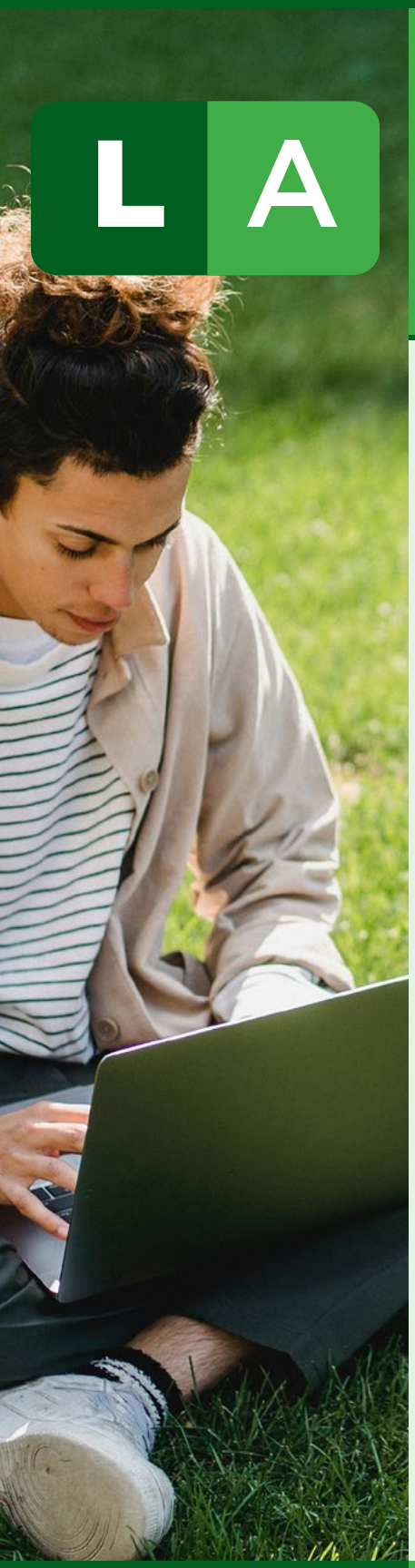
GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

World History allows students to investigate significant events, people, and places from prehistoric to modern times. Studying world history allows students to consider the historical relevance of people, places, and events. In this wide-ranging course, students learn how the world and its inhabitants were shaped over time, and, in the process, gain a better understanding of the role that geography plays in world history.

World Literature *P* ◉ ★

GRADE 9, 10, 11, 12 Language Arts SEM

In World Literature, students explore a wide variety of literary styles, artists, and mediums from cultures and societies around the globe. Students analyze different forms of writing, including fiction and nonfiction, and they evaluate how authors from different areas, religious backgrounds, genders, and cultures use the written word to express thoughts and opinions and tell poignant stories.



L-Asynchronous Catalog

The **L-Asynchronous** catalog is modeled after the uniquely designed ***L-Synchronous*** catalog. All PLP *Asynchronous* courses lend themselves to *self-paced* learning environments. In the ***L-Asynchronous*** catalog, however, all assessments are auto-graded.

Assessments will have retries automatically enabled so that students can submit or resubmit assessments more freely. These courses are comprised of purely auto graded assessments that are scored by the system, and automatic feedback is delivered to the student by the system.

The curriculum was specifically designed to engage students in an age appropriate and multimodal learning environment with innovative supports proven to maximize and accelerate learning. The content is horizontally and vertically aligned so units and lessons fall into a logical sequence.

Lessons include learning objectives, activities, assignments, assessments, and resources to provide multiple learning opportunities for students to master the standards needed for success. The instructional design incorporates established principles of effective explicit instruction that contribute to all student achievement including advanced students or students at risk of failing to meet standards. Each lesson folder typically contains one or more of the following learning objects: Read It, Practice It, Watch It, Play It, Show It, Answer Keys (AK), Checkpoint, Reinforce It, Extend It, and Apply It. This instructional design breaks down information into bite-sized chunks and accommodates various learning styles. All courses have access to the text-to-speech toolbar.

The courses follow a consistent instructional design with numbered lesson folders containing one or more learning objects. Students are assessed in Assess Its (similar to a Quiz), Mastery Assess Its (similar to a Unit Test), midterms (in year-long courses), and final exams.

Year-long courses consist of 180 lesson folders and semester courses (1 and 2) consist of 90 lesson folders. The suggestion of the instructional design is for students to complete one lesson folder a day in a 50–60-minute class period.

Many lesson assessments are computer graded. Essay questions and activities will contain a submission box where students can type their responses or draw, insert images, create and insert video clips, insert charts, and/or attach files.

Each course has a course resource folder that can contain one or more of the following: a parent teacher guide, pacing guide, and a supply/materials list. Some courses may contain other lists in this folder (e.g. Reading List, Addition Chart, etc.).

Hidden Items (if applicable)
Student Survey

Default Weights*

Quizzes (Checkpoints) 25%
Exams (Midterm & Final) 25%
Unit Tests (Mastery Assets Its) 50%

Note: Teachers may need to supplement with offline assignments in asynchronous courses to meet student learning objectives. Example: Written essay assignments in English courses.

L-Asynchronous

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade K

K Music

GRADE K Electives S1 | S2 | YEAR

In Music K, students are introduced to the expression of ideas and creativity in music through active involvement. Students respond, connect, perform, and create music to enhance gross and fine motor skills, vocal development, self-expression, personal connection, originality, visual recognition, and audiation while developing music terminology.

K Language Arts

GRADE K Language Arts S1 | S2 | YEAR

English Language Arts K encompasses reading, writing, speaking, spelling, and listening skills for students who are emerging learners. This course places a heavy emphasis on the alphabet, as students learn letter names and both uppercase and lowercase letters. Students also learn letter sounds and how to articulate and blend those sounds. English Language Arts K focuses on building reading skills through the use of high-frequency sight words—common prepositions, nouns, verbs, and adjectives. Through grade-level appropriate readings, students explore story elements and the ways in which pictures relate to text. They also learn to summarize a text and to compare and contrast characters, events, and ideas within texts. This course teaches foundational grammar and writing skills, including proper capitalization, spacing between words, and sentence punctuation. Students learn to print words and write complete sentences. Finally, interactive activities throughout the academic year help students develop their speaking and listening skills as well. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

K Mathematics

GRADE K Mathematics S1 | S2 | YEAR

In Mathematics K, students explore the world of mathematics all around them. They begin to develop foundational mathematics skills such as number identification, rote counting to 100 by memory, and place value. They learn the difference between more than and less than and explore the ways in which numbers can be decomposed. Students compare measurements, such as longer and shorter and heavier and lighter. They begin to develop problem-solving skills as they engage with simple addition and subtraction equations and word problems. Finally, students are introduced to basic geometry and learn the names and basic attributes of shapes. This course includes a Parent and Teacher Guide that supports student learning.

K Science

GRADE K Science S1 | S2 | YEAR

Science K introduces emerging learners to the knowledge and skills that will help them discover and understand the natural world around them. In this course, students learn to formulate questions, to predict, and to investigate. They use basic scientific tools, such as a magnifying glass, a ruler, and a thermometer, to make observations and draw on those observations to communicate their findings. They learn to use their five senses as observational tools as well. They deploy their observational skills to describe animals and plants, their basic needs for survival, and their environments. Students discover the effect of sunlight on Earth's surfaces and the difference between sun and shade. Students explore weather types, weather patterns, and seasonal changes. They also examine the characteristics of force, including the difference between a push and a pull. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

K Social Studies

GRADE K Social Studies S1 | S2 | YEAR

Social Studies K introduces emerging learners to the knowledge and skills that will help them to become active and valued participants in their community. Students discover the importance of rules and regulations in guiding community behavior, and they explore good citizenship and values such as respect, democracy, cooperation, and equality. Social Studies K establishes students' understanding of the past by teaching them the importance of a sequence of events and developing their skill in distinguishing fact from opinion. Finally, students learn about the world around them, including how geography influences society, how maps represent places, and how communities rely on trade in goods and services. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 1

1st Music *P* ◉

GRADE 1 Electives S1 | S2 | YEAR

In Music 1, students are introduced to music fundamentals such as solfège, rhythms, dynamics, meter, instrument families, and dance forms. Each topic is presented through the use of music and movement activities that include reading, singing, dancing, and writing. Students improvise original rhythmic compositions. They sing using various forms of musical expression and dance. They learn and practice proper stage and performance etiquette techniques, and they explore the ways in which music and dance work together to create specific dance forms. Students also learn about American composers whose music has influenced American society.

1st Language Arts *P* ◉

GRADE 1 Language Arts S1 | S2 | YEAR

English Language Arts 1 focuses on developing reading, writing, spelling, speaking, and listening skills. In this course, students begin to understand that spoken and written language can be broken into phonemes. They use rhyming, blending, and segmenting to develop the foundation needed to become an emergent reader. Students read prose, poetry, and informational texts for comprehension. They learn to interpret the ways in which stories and poems appeal to the senses and to identify the main topic and key ideas within texts. Students increase their vocabulary by learning to use morphemic and contextual analysis to determine the meaning of unknown words. Students learn to spell new words using various spelling rules. In English Language Arts 1, students hone their writing skills by practicing grammar rules for noun usage, personal possessive and indefinite pronouns, verb tenses, capitalization, commas, and end punctuation. In doing so, they learn to produce and expand sentences and to write opinion pieces, informational pieces, and narratives. This year, students begin learning how to research information and how to use their research to answer questions. They identify and use various parts of a book, such as headings and the table of contents. They also use digital tools to publish their writing. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

1st Mathematics *P* ◉

GRADE 1 Mathematics S1 | S2 | YEAR

In Mathematics 1, students begin to learn mathematics in a more formal way. They focus on rote counting to 120 and practice reading and writing these numbers. In addition to strengthening their addition and subtraction skills, they compare two-digit numbers using place values and the comparison symbols for greater than, less than, and equal to. Students measure lengths and use measurements to compare the lengths of multiple objects using nonstandard measuring and units. They strengthen their geometry skills by drawing two-dimensional and three-dimensional shapes, and they explore fractions by dividing those shapes into halves and quarters. Students also organize, represent, and interpret data in pictures, tables, and charts. Additionally, they tell and write times in hours and half-hours. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

1st Science *P* ◉

GRADE 1 Science S1 | S2 | YEAR

Science 1 extends students' exploration of the natural world. Along the way, students practice making predictions and observations, experimenting, and using scientific tools and problem-solving skills. In this course, students investigate animals and plants, identify the basic needs of all living things, and compare and contrast plant and animal families. They examine how humans solve problems by mimicking plant and animal structures and functions. This course also introduces patterns of the sun, moon, stars, and Earth that can be predicted. Students observe and discover the properties of light and sound and learn ways to communicate with light and sound. Finally, students develop their ability to distinguish problem from solution and recognize the relationship between cause and effect. This course includes a printed Parent and Teacher Guide that supports student learning.

1st Social Studies *P* ◉

GRADE 1 Social Studies S1 | S2 | YEAR

Social Studies 1 leads students beyond their local community to consider their place in their state, the nation, and the world. They explore the function and characteristics of government in the United States, including the role of rules and laws and the rights and responsibilities of citizens. Students also learn how to ask questions and gather information to understand history. The course focuses on developing students' knowledge of the interplay between the physical world and human societies, as they learn basic geography skills, such as map reading, and examine the impact of the environment on how and where people live and how regional variations drive trade in both goods and services. Finally, students build their understanding of good citizenship by identifying ways to contribute to the community and avoid conflict and by interacting respectfully with others. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 1 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 2

2nd Music *P* ◉

GRADE 2 Electives S1 | S2 | YEAR

In Music 2, students explore musical expression. They investigate how musical concepts such as tempo are used to achieve the musician's expressive intent. Students identify the role and responsibility of a music composer and seek out the connections between music, other arts, daily life, and history. Throughout the course, they perform songs with movements and improvise rhythmic patterns and melodies. They create and record musical ideas through a recording device or on paper. Students learn to identify how personal interests and experiences influence music selection and instrument choice. Through these studies, they evaluate music from the Irish, African, and Japanese cultures. Additionally, they work with standard and iconic notation. Finally, students use the musical skills learned in this course to evaluate recorded music and make suggestions for improvement.

2nd Language Arts *P* ◉

GRADE 2 Language Arts S1 | S2 | YEAR

English Language Arts 2 central concepts are reading, writing, spelling, speaking, and listening. This year, students begin to transition from learning to read to reading to learn. In this course, students continue to develop their phonemic awareness by learning to recognize word families, word origins, and irregularly spelled words. They also begin to use linking words to connect opinions and reasons and time-order words to signal the order of events. While reading, students work to distinguish fact from opinion, decipher an author's reason, and identify the main topic of a multi-paragraph text. Students sample multiple genres of literature, including fiction, nonfiction, poetry, folktales, and fables, while exploring story elements such as plot, setting, characterization, and the author's point of view. They also learn to distinguish between the main idea and the theme of a story. Students develop their writing skills by composing narrative, persuasive, and informative essays, as well as creative writing pieces. Additionally, they practice their research skills by finding facts in multiple sources and using them to produce a science report. Students use a dictionary to reinforce phonetic punctuation and spelling and to identify words with multiple meanings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

2nd Mathematics *P* ◉

GRADE 2 Mathematics S1 | S2 | YEAR

In Mathematics 2, students begin to develop the skills to solve problems mentally and to explain how they solved a problem aloud or through writing. They count to 1,000 and identify even and odd numbers. Students discover multiple strategies for adding and subtracting numbers and determine which strategies work best for various problem types. They work with number lines and use them to represent whole numbers and their sums and differences. In this course, students expand their knowledge of place value to include thousands and use this concept to compare numbers. They use standard units of measurement to express the length of objects in inches, feet, centimeters, and meters. Mathematics 2 introduces digital and analog time and presents students with word problems involving money. In addition to learning monetary values, students also learn to use the dollar and cent symbols appropriately. Students also deepen their understanding of geometric shapes while exploring fractions by dividing shapes into halves, thirds, and fourths. They are introduced to new ways of representing data, including line plots, picture graphs, and bar graphs. This course uses mathematics' manipulatives to help students visualize problems in addition to a printed Parent and Teacher Guide that will help you support your student's learning.

2nd Science *P* ◉

GRADE 2 Science S1 | S2 | YEAR

Science 2 encourages students to make sense of the world around them by observing and experimenting. Through focused readings and hands-on activities, students explore Earth and the matter that makes up its surface. They study the relationship between plants and animals through pollination and seed dispersion. They look deeply into several habitats on Earth and the plants and animals that live and grow there. Students examine and compare many different landforms and bodies of water. They research topics and formulate questions, make predictions, and then use scientific tools to observe and test their experiments. By recognizing patterns, solving problems, and identifying cause and effect, students develop the ability to make inferences and communicate their findings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 2 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 2 (continued)

2nd Social Studies *P* ◉

GRADE 2 Social Studies S1 | S2 | YEAR

Social Studies 2 empowers students to become productive citizens by developing their knowledge and skills in civics, history, geography, and economics. They deepen their understanding of the U.S. government by explaining the role of the three branches of government and of the U.S. Constitution. Students extend their knowledge of U.S. history to recognize the impact of important figures and movements of the past, and they begin to think like historians by identifying reliable sources, crafting compelling questions, distinguishing fact and opinion, and using timelines to structure series of events. The course highlights the role of international relations, including both alliances and international trade, as well as the importance of geography and regional variations in resources and production. Finally, students learn core concepts of economics, including supply and demand, scarcity, and cost and benefits, as well as the functions of banks, and relate these concepts to individuals and communities. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 3

3rd Music *P* ◉

GRADE 3 Electives S1 | S2 | YEAR

In Music 3, students explore musical basics such as melody, harmony, dynamics, tempo, timbre, texture, and context. They also reflect upon how these elements affect a listener's response to the music. Students use standard notation to read and write notes and rhythm in the treble clef and then practice playing those notes on instruments including the hand drum, rhythm sticks, and the soprano recorder. They learn about new musical ideas such as the pentatonic sound, major and minor scales, and singing in solfège. Finally, students identify key classical composers and explore new musical genres such as blues, bluegrass, country, jazz, and pop music.

3rd Language Arts *P* ◉

GRADE 3 Language Arts S1 | S2 | YEAR

English Language Arts 3 focuses on expanding students' reading, writing, spelling, speaking, and listening skills. In this course, students read more complex texts and write to express themselves with greater sophistication. They practice reading at a natural pace while using intonation and expression appropriately. While reading, they interpret texts in more complex ways, by identifying cause and effect, determining tone and mood, and distinguishing shades of meaning in figurative language. This course introduce students to new genres, including opinion pieces, biographies, and blogs, while they continue to work with narratives, fiction, and informational texts. An emphasis is placed on grammar, punctuation, and spelling as students explore the functions of nouns, pronouns, verbs, adjectives, and adverbs; categorize nouns; explain the differences between various verb tenses; write simple, complex, and compound sentences; and use capitalization, commas, and quotation marks correctly. They learn the spelling of words with various prefixes and suffixes; regular and irregular nouns, verbs, and adjectives; and contractions, compound words, homophones, and words with various vowel sounds. Students develop their speaking and listening skills by planning, writing, and delivering an oral presentation and by creating visual aids to accompany the presentation. English Language Arts 3 also introduces students to new forms of writing, such as scripts, autobiographies, and outlines. They practice drafting and revising their writing through the development of journal entries, short stories, opinion pieces, and narratives. Students expand their research skills by learning to take notes while researching and to organize their notes into categories. They also gather information using both print and electronic sources. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

3rd Mathematics *P* ◉

GRADE 3 Mathematics S1 | S2 | YEAR

Students in Mathematics 3 focus on multiplication and division, as this course aims to build strong foundational skills in these areas. Students explore the relationship between multiplication and division and practice using the order of operations to solve problems, including one- and two-step word problems. In addition to using place value to perform multi digit arithmetic, students round numbers to the nearest ten or hundred. They refine their mathematics skills in relation to money by making change using a combination of bills and coins. Mathematics 3 presents area and perimeter to students as they explore linear and area measurements. They also work with fractions as numbers in this course, representing them on number lines, generating equivalent fractions, and comparing fractions with the same numerator and denominator. Finally, students explore the ways in which various types of data can be displayed. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 3 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 3 (continued)

3rd Science *P* ◉

GRADE 3 Science S1 | S2 | YEAR

Science 3 guides students on an exploration of the natural world, its animals, its plants, and its terrain. They learn how clouds form, what causes the cycles of seasons and of day and night on Earth, and that light and sound are actually energy. Students examine the Earth's eight major biomes and identify how adaptations help plants and animals to survive varying conditions. They become junior meteorologists, able to explain weather and climate and to use weather instruments and knowledge of patterns to observe and predict the weather. Students recognize the information fossils can provide about the Earth's past and use geologic time scales to identify the eras when fossilized organisms lived. They explain how chemical reactions can change the properties of matter, and they investigate energy, magnetism, and electricity. Finally, students research topics and formulate questions, make predictions and observations, experiment and measure using scientific tools, and draw inferences and identify patterns based on their scientific inquiries. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

3rd Social Studies *P* ◉

GRADE 3 Social Studies S1 | S2 | YEAR

Social Studies 3 focuses on the United States, including its government and its laws. Students are encouraged to think about what it means to be productive, responsible citizens of both the nation and their own local communities. To support their learning about U.S. history and differing cultures and perspectives, students develop and research compelling questions on historical topics, work with credible sources, and distinguish between fact and opinion. Additionally, they learn to evaluate the validity of sources, especially websites. Students develop presentation skills that include constructing arguments to support their opinions and using visual aids to add interest to oral reports. They also expand their map-reading skills and learn the fundamentals of financial literacy. In addition to studying the United States, students examine the geography, culture, history, government, and economy of three other world communities: Canada, Mexico, and India. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 4

4th Music *P* ◉

GRADE 4 Electives S1 | S2 | YEAR

In Music 4, students identify how the elements of music (melody, harmony, timbre, dynamics, and tempo) affect what a piece of music communicates to a listener. Students label or perform three different examples of rhythm in addition to musical notes such as the eighth note and the sixteenth note. They identify notes on the bass and treble clef. Students learn the difference between sharps and flats and major and minor scales. They create simple melodies with chords and mark tempo, time signature, and signature key. Students explore different musical characteristics and instruments from Africa in addition to Latin American and Celtic music and dance. Finally, students explain how social and cultural contexts influence a musical performance.

4th Language Arts *P* ◉

GRADE 4 Language Arts S1 | S2 | YEAR

Students in English Language Arts 4 focuses on expanding their reading, writing, spelling, speaking, and listening skills, with a heavy emphasis on solidifying their writing skills. They use narrative, descriptive, opinion, persuasive, and informative pieces to learn to state ideas, facts, and opinions clearly while correctly using introduction, body, and conclusion paragraphs. Students create a plan for writing, revise and edit their work, and improve their writing using feedback from an adult. Through their writing, they continue to master the conventions of English grammar, including quotations, relative pronouns, progressive verb tenses, modal auxiliaries, prepositional phrases, antecedents, coordinating conjunctions, compound sentences, capitalization, and punctuation, while avoiding sentence fragments and run-on sentences. They learn to spell words with a wide variety of prefixes and suffixes in addition to homophones, possessives, compound words, and words with silent letters. While reading, students identify, describe, and analyze story elements and compare and contrast these elements in stories, myths, and literature from various cultures. Students further develop their research skills by conducting short research projects, taking notes during research, and creating bibliographies. They develop more concrete speaking skills by creating and delivering presentations on various topics. In addition, students create audio recordings and visual aids to supplement their presentations. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 4 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 4 (continued)

4th Mathematics *P* ◉

GRADE 4 Mathematics S1 | S2 | YEAR

In Mathematics 4, students refine their skills in the areas of place value, measurement, geometry, fractions, and decimals. They use the order of operations to solve problems with whole numbers up to 1 million, and they explore factors and multiples ranging from 1 to 100. Students use equations, arrays, and area models to explain multiplication calculations. They compare multi-digit whole numbers, fractions, and decimals using the symbols for greater than, less than, and equal to. Students practice converting measurements, such as feet to inches, and they use their understanding of size to determine whether measurements are reasonable answers to problems. Mathematics 4 introduces students to the protractor, which they use to measure angles in whole number degrees. Students learn to identify right triangles, and they sketch angles, lines, segments, and rays. Students look closely at fractions and decimals in this course by writing equivalent fractions, ordering fractions from least to greatest, comparing fractions with different numerators and denominators, and writing fractions as decimals and vice versa. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

4th Science *P* ◉

GRADE 4 Science S1 | S2 | YEAR

Science 4 lays a foundation for future excellence in the STEM fields by introducing technology and engineering concepts, such as simple and complex machines and the steps of the engineering design process. This course encourages students to become innovative problem-solvers equipped with the skills and knowledge necessary to address twenty-first-century issues. Students explore the technical and sometimes surprising facts behind the things they see and experience every day. They expand their knowledge and understanding of topics in the areas of physics, chemistry, Earth science, ecology, biology, and space science. Students investigate genetics and the physical characteristics of living things, ecosystems and extinction, agriculture and sustainable resources, and pollution and recycling. They get to know the Earth's landforms and the types of rocks and soil and extend their learning beyond the Earth to the solar system and the Milky Way. Finally, students encounter important concepts in physics, such as the types and properties of waves, and in chemistry, such as atoms, molecules, and the conservation of mass. This course includes a printed Parent and Teacher Guide that will help you support your student's learning

4th Social Studies *P* ◉

GRADE 4 Social Studies S1 | S2 | YEAR

Social Studies 4 introduces students to critical analysis as they develop detailed knowledge of the United States, its regions, and the influence of individual perspectives on documents and events. Students assess and use a wide variety of primary and secondary sources to research compelling questions through supporting questions and present interpretations and arguments in both written and oral forms, supporting their positions with details drawn from reliable sources. Students learn the rights and responsibilities of citizens and how people and groups can work together to accomplish common goals. Students also explore how regional differences in physical environments and cultures affect how people live and work. This course fosters a command of the concepts and tools of geography, such as latitude, longitude, maps of various kinds, and scales. Students will also gain an understanding of core aspects of economics, including resources, production, consumption, and international trade. This course includes a Parent and Teacher guide that supports student learning.

Grade 5

5th Music *P* ◉

GRADE 5 Electives S1 | S2 | YEAR

In Music 5, students demonstrate their ability to create, perform, analyze, and respond to music while making connections to personal, social, cultural, and historical perspectives. By the end of the course, students will be able to read music notation, compose music, and improvise original melodies. Students will also apply what they learn through interactive learning activities and performances on a variety of instruments including, but not limited to, the tambourine, rhythm sticks, maracas, and the soprano recorder.

Grade 5 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 5 (continued)

5th Language Arts *P* ◉

GRADE 5 Language Arts S1 | S2 | YEAR

In English Language Arts 5, students solidify their foundational skills in reading, writing, spelling, speaking, and listening. Students read a variety of texts this year, including fiction, nonfiction, and informational texts. They identify the author's purpose in multiple forms of writing, such as descriptive, expository, technical, persuasive, and narrative passages. Through these texts, they learn to make inferences and analyze multiple accounts of the same event. They also identify, interpret, and compare similes, metaphors, and idioms used in writing and learn to draw a plot diagram and to identify common themes in literature. This year, students write a five-paragraph essay and an effective thesis statement. They follow the writing process to develop essays, create outlines to organize their ideas, and revise and improve their original draft. Students also write a persuasive letter, a speech, and a script. This course teaches and reinforces spelling rules, such as i before e, while also focusing on the spelling of words ending in a silent e, commonly misspelled words, and words with multiple syllables. Students sharpen their research skills by learning to use note cards for research, gathering information about the same topic from multiple sources, and understanding plagiarism and the importance of writing in their own words. They also practice citing sources by creating a bibliography. Students enhance their presentation skills by reporting on a text or topic, telling a story, retelling an experience, or presenting an opinion in an organized way while using facts and details to support the main idea. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

5th Mathematics *P* ◉

GRADE 5 Mathematics S1 | S2 | YEAR

Mathematics 5 focuses on developing students' math skills and problem-solving strategies. Problems and activities are designed to get students reasoning abstractly and quantitatively, constructing arguments, and modeling with mathematics. Students add, subtract, and multiply fractions, divide fractions by whole numbers, and divide whole numbers by fractions. They perform multiple operations with decimals in addition to comparing, ordering, and rounding them. They use exponents to denote powers of 10. Students are introduced to volume and how to calculate it and classify two-dimensional shapes into categories. They also graph data on a plot line and the coordinate plane, using graphs to solve real-word and mathematical problems. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

5th Science *P* ◉

GRADE 5 Science S1 | S2 | YEAR

Science 5 puts the emphasis on doing science. Students build their knowledge by crafting models, conducting experiments, creating terrariums, and making electromagnets. They learn about plant and animal cells and their functions, photosynthesis, and the roles of producers, consumers, and decomposers in an ecosystem. Students explore the global water cycle, the negative impacts of weather, and the relationship between weather and climate. They deepen their understanding of their home planet by investigating landforms, volcanic activity, the layers of the Earth's atmosphere and geosphere, the tilt of the Earth's axis, the impacts of its revolution around the Sun, and the Sun's role as the source of energy for life on Earth. Students are introduced to elements as the basic substances of all matter and the relationship between matter and particles; they also encounter such core concepts of physics as energy transformation, gravitation, and Newton's first and second laws of motion. They design simple and parallel circuits and use the engineering design process to generate solutions to real-world problems. Finally, they conduct research, formulate questions, make predictions and observations, conduct fair tests using the scientific method, record their findings, and draw conclusions for future investigation. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 5 continued

Elementary | Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 5 (continued)

5th Social Studies *P* ◉

GRADE 5 Social Studies S1 | S2 | YEAR

Social Studies 5 puts American history front and center, as students learn about the Native American civilizations of the Americas, the discovery of the New World by European explorers, the founding of the United States, westward expansion, and the coming of the Industrial Revolution. Students leverage research skills to analyze historical events and documents, and they present their findings using arguments based on reliable sources with supporting facts. They refine their ability to distinguish fact from opinion in the context of historical investigation. Students also broaden their understanding of government by recognizing how the system of checks and balances works at both national and state levels, and they identify and interpret important songs and symbols of the United States. Civic responsibility is woven throughout the curriculum, and students recognize the value of public service and the traits of good leaders. Social Studies 5 also explores the themes, tools, and techniques of geography. Students learn how human interaction with the environment has caused change, both beneficial and detrimental, in the past and in the present. Finally, they learn how the U.S. economy functions, including the role of government and multinational organizations in domestic and international trade. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Grade 6

6th Music *P* ◉

GRADE 6 Electives S1 | S2 | YEAR

In Music 6, students express ideas and creativity through music. Students apply music terminology to different instrument groups and learn to read music. Additionally, students discuss different forms of music and popular songs within Western and worldwide music.

6th Language Arts *P* ◉

GRADE 6 Language Arts S1 | S2 | YEAR

English Language Arts 6 introduces and builds the fundamental skills of English language arts, including reading, writing, speaking, listening, and using language. This course helps transition students from an elementary setting to the middle school learning environment. Students explore a variety of texts from a range of time periods, literary genres, and writers. From classic authors to contemporary creative writers, students study the use of language and literary devices to improve reading comprehension and to apply to their own skill sets. In addition to reading, students strengthen their writing skills through several modes of composition, such as entertainment, persuasive, poetic, and expository texts. They learn how to construct a well-written five-paragraph essay. Notably, students learn to conduct research, cite sources in MLA formatting, and compose a formal research essay. The final topic of the course provides the opportunity for students to either read a novel or examine a variety of excerpts from novels. This topic encompasses the fundamental skill sets built throughout the year. Students complete creative projects, such as creating an original piece of folklore and writing an original poem. These projects encourage students to highlight their talents and skills. This course emphasizes the importance of independent and creative thinking and integrates social-emotional learning.

6th Mathematics *P* ◉

GRADE 6 Mathematics S1 | S2 | YEAR

Mathematics 6 introduces students to rational numbers and explores the concept of absolute value. Students work with ratios and rates to analyze relationships, and they connect these concepts to percents. Students also apply all four operations to decimal numbers, using the concepts to solve real-world application problems. In this course, students begin their study of Algebra by learning about mathematical expressions, equations, and inequalities. They analyze data and display data using statistical methods. Students also explore two- and three-dimensional shapes.

6th Science *P* ◉

GRADE 6 Science S1 | S2 | YEAR

Science 6 takes students on a journey that incorporates life science, Earth and space science, and physical science concepts. Students begin by studying topics related to the nature of science and engineering, and they gain the skills necessary to succeed in investigations and engineering labs within the course. They learn how matter and energy interact and aid in creating the world around them. Students discover the unique properties of Earth that make it a sustainable planet for living organisms. Students will take an in-depth look at cells and their specialized structures, a variety of habitable ecosystems, and the abilities plants and animals have to adapt to various surroundings. Along with learning about the life on Earth, students will study the atmosphere and weather that has made Earth habitable for humans. They investigate ways to be more environmentally conscious by exploring how populations are affected by various environmental factors. Students work toward discovering solutions to these problems. This course includes multiple-day projects and hands-on labs, which are driven by real-world phenomena and meaningful storylines.

Grade 6 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 6 (continued)

World Cultures *P* ◉

GRADE 6 Social Studies S1 | S2 | YEAR

World Cultures explains global geography, history, and culture to students. In this course, students study the major political powers of each era and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the course, students examine a world at war, navigating the Great War, nationalist movements in Russia and Asia, World War II, the Cold War, Third World independence, and struggles for democracy. The course closes with discussions of current global issues such as terrorism, technology, economy, pollution, and renewable energy.

Grade 7

7th Music *P* ◉

GRADE 7 Electives S1 | S2 | YEAR

In Music 7, students explore the history, development, and attributes of American music. They will learn music theory and music reading skills, which are presented and reinforced within the context of historical musical works. Students interpret sheet music that represents various genres of American music. Additionally, students practice performing music vocally and with a pitched instrument.

7th Language Arts *P* ◉

GRADE 7 Language Arts S1 | S2 | YEAR

English Language Arts 7 extends beyond the five fundamental English language arts skills of reading, writing, speaking, listening, and understanding language. This course exposes students to a variety of texts from a range of time periods, literary genres, and writers. From classic texts to contemporary creative writers and Evan-Moor pieces, students analyze fiction and nonfiction literature, examining and interpreting multiple literary devices within a single piece. In addition to reading, students strengthen their writing skills through narrative, informative, and persuasive compositions. They apply these forms of writing in essays, speeches, presentations, and other media. Students also compose an MLA-style research essay that includes headings, citations, and a Works Cited page. In addition, students produce a professional technical, or how-to, text that includes concise directions and images. The final topic of the course presents a wealth of valuable real-world skills. Notably, students practice important life skills, such as letter writing, filling out forms, and interviewing, while exploring career interests. Additionally, grammar is integrated regularly throughout the course to introduce and reinforce age-appropriate grammatical concepts. These lessons parallel the main lessons, and at the end of each grammar unit, students complete a summative workshop to apply the skills taught within that unit. Lastly, students complete creative projects, such as a family tree, an original narrative short story, a reinvention of themselves as a superhero, a song, and a writing portfolio. These projects and activities showcase students' abilities based on their learning styles. Overall, this course supports critical thinking and independent learning and application, while also incorporating social-emotional learning opportunities.

7th Mathematics *P* ◉

GRADE 7 Mathematics S1 | S2 | YEAR

Students in Mathematics 7 begin their journey on the pathway to developing a strong mathematics framework. Students hone their arithmetic skills in this course, preparing them for more difficult and detailed calculations. Students work through fractions and decimals and begin developing algebraic skills by learning to work with and solve two-step equations. Students also explore probabilities, data, and statistics.

7th Science *P* ◉

GRADE 7 Science S1 | S2 | YEAR

Science 7 integrates life science, Earth and space science, and physical science while incorporating both engineering and scientific methods. In this course, students explore the ways in which humans have an impact on Earth's ecosystems and resources. They study the different forces at work on Earth and throughout the universe, learning about their importance in technologies and everyday phenomena. Students also investigate evidence of past life on Earth and how it evolved into the life that exists today. This course allows students to dig deeper into the inheritance of organisms and how these organisms adapt to their environments. Finally, students are introduced to waves, exploring how both sound and light waves are used in communication. This course includes multiple-day engineering design projects and hands-on labs, which are driven by real-world phenomena and meaningful storylines.

Grade 7 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 8

8th Music *P* ◉

GRADE 8 Electives S1 | S2 | YEAR

In Music 8, students are introduced to a variety of music genres and instruments. They explore the concepts of rhythm, melody, timbre, texture, dynamics, form, and rhythm, and they learn to sight read music. Students listen to various examples of songs to interpret performances, and they compose and perform their own song.

8th Language Arts *P* ◉

GRADE 8 Language Arts S1 | S2 | YEAR

English Language Arts 8 introduces students to literature and informational texts. Through lessons on the literary elements, the structure of texts, and the basics of grammar and composition, students apply analytical thinking skills to the works that they read. Students also delve into poetry in this course by dissecting the structure of poems, the language, and the terminology that is often affiliated with the genre. Students also apply their listening and speaking skills through presentations and projects.

8th Mathematics *P* ◉

GRADE 8 Mathematics S1 | S2 | YEAR

Mathematics 8 prepares students for more difficult mathematics courses by exposing students to foundational arithmetic concepts. Students in this course examine the elements of geometry by being introduced to angles, lines, and points. Students apply this knowledge to graphs using coordinate planes and by completing calculations between two points' distances. Students also study scientific notation, which assists them in computations and provides a framework for more difficult calculations. Students will also analyze bivariate data using scatterplots and two-way tables.

8th Science *P* ◉

GRADE 8 Science S1 | S2 | YEAR

Science 8 combines the subjects of life science, Earth and space science, and physical science while incorporating both engineering and scientific methods. Students further their knowledge of the interactions of matter, learning about the properties of the periodic table and how reactions occur. Next, students learn about reproduction in cells and inheritance. In this part of the course, students analyze the difference between types of reproduction in cells, leading them to determine how traits and genetic differences in DNA occur. Students travel back in time and determine how clues from life in the past help to explain, map, and classify existing life on Earth. Students also explore ecosystems and how precious they are to life on Earth, analyzing how even the smallest impacts can have large effects on populations. Finally, students investigate wave technologies and how those technologies are used on Earth for advancements in science and economic growth.

Grades 6, 7, 8

Middle School Physical Science *P* ◉

GRADE 6, 7, 8 Science S1 | S2 | YEAR

Middle School Physical Science introduces students to the foundational concepts of both physics and chemistry. Students begin by studying topics related to the nature of science and engineering, where they gain the skills necessary to succeed in inquiry-based and engineering labs. They move on to learn the general principles of chemistry and physics, including matter and energy, chemical reactions, motion and forces, and interactions of waves. This course allows students to explore these major concepts through unique labs based on real-world phenomena.

Middle School Civics and Government *P* ◉

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

Middle School Civics and Government introduces students to the basic principles of the democratic government of the United States. Students examine the structure of legislation, including the numerous branches of government and the roles that each branch plays governing the nation. Students look at local and state governments, including mandates and laws and how those laws affect citizens locally and nationally.

Middle School Geography *P* ◉

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

Students learn to study the Earth's landscape in Middle School Geography. In this course, students learn that geography extends beyond physical structures by exploring geographical facets such as regions, ethnicities, and trade routes, in addition to landforms. By studying the geography, history, culture, religion, and contemporary issues facing a certain group of people or a specific area of space, students discover a significant amount of information about people in the present and in the past.

Grades 6, 7, 8 continued

Middle School | High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 6, 7, 8 (continued)

Middle School U.S. History *P* ◉

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

Middle School U.S. History explores the history of the United States from before the arrival of Europeans in North America to the events of the 2016 presidential election. Students begin the course by examining North America before the arrival of European explorers and the establishment of colonies. Students learn about life in the colonies, British rule, and the events that led to the Revolutionary War. After learning about the American Revolution, students explore early U.S. government, westward expansion, the influence of the Industrial Revolution, and the Civil War. Then, they study life after the Civil War, Progressivism, Imperialism, and the onset of World War I. Next, students analyze the Roaring Twenties, the Great Depression, and World War II. Finally, students examine the Civil Rights movement, the Cold War, life in the 1960s and 1970s, and modern-day policies and events.

Middle School U.S. History to 1877 *P* ◉

GRADE 6, 7, 8 Social Studies S1 | S2 | YEAR

Middle School U.S. History to 1877 encompasses the discovery of North America by European explorers, colonization, the Revolutionary War, and the Civil War. Students begin the course by learning about Native American tribes that existed in North America before the arrival of European explorers and colonization. Students then examine colonial life and the French and Indian War, as well as the events that preceded the Revolutionary War, the development of the U.S. government, and westward expansion. Finally, students study the events and circumstances that inspired the Civil War, key aspects of the Civil War, and the Reconstruction era.

Grades 9, 10, 11, 12

1960s America *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

The 1960s America course gives students a look at life during this exciting and monumental decade. This course covers the social, political, and cultural movements and changes that occurred in the 1960s. Students explore different historical events and determine how these events impacted American citizens during the decade and afterward. The course also focuses on significant headlines of the 1960s to give students a realistic perspective of this decade.

Advertising *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Throughout the Advertising course, students discover the various ways that advertisements touch their lives. This course presents a comprehensive introduction to the field of advertising, which includes its purpose and the theory behind it. In this course, students learn to identify target markets, distinguish different types of business, and interpret the information they gather to create a winning advertising plan. Students investigate the needs and wants of both the consumers to whom they are advertising and the companies for which they are creating the advertisement. Lessons will cover the basic skills and knowledge required to work in the advertising world and will guide students through the creation of a complete advertising plan. Students in this course are presented with a realistic idea of what a career in advertising entails.

Anatomy and Physiology *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

The Anatomy and Physiology course allows students to discover the fascinating dynamics of the human body. Students begin by exploring the history of anatomy, essential anatomical terminology, and the hierarchical organization of the human body. Next, students are introduced to basic biochemistry and cellular processes, which includes a virtual tour of the cell. Students also investigate the structure, function, hierarchy, and diseases associated with each organ system. Completion of one full year of high school Biology is required in order to understand the numerous biological concepts presented in this course.

Business Applications *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In Business Applications, students focus on business software and the corresponding skills required in the business world. The course begins with an overview of computers, including hardware, software, and operating systems. Students explore spreadsheet, word processing, presentation, and database software and discover how to fulfill a customer request using these skills. They also study web-based applications and additional software packages and learn about Internet technology. Students investigate common security concerns and discover how to prevent security issues. Finally, students experience the software development cycle where they learn how various professionals utilize business applications. They discover the importance of moral and ethical responsibility in an online community. Students must possess basic spreadsheet, word processing, and presentation software skills before entering this course. Additionally, students must be independent learners, and they must be comfortable learning new technology and researching software features and functions.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Business Management *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Business Management guides students through examples of their roles as wage earners, consumers, and citizens as they explore the wide, exciting world of business. Students examine topics ranging from extensive credit use to the role of government in the U.S. economy. Students are encouraged to take Introduction to Business as a prerequisite to Business Management, as Business Management dives deeper into the different aspects of managing a business successfully.

Career Explorations *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Career Explorations allows students to investigate the necessary steps to prepare for careers that match their interests, abilities, and aptitudes. Students research various careers, their roles in society, job duties, required education and qualifications, and salary and outlook. They acquire job-seeking skills such as resume writing, interviewing, and portfolio development skills. Students discover workplace dynamics, how to navigate challenging situations, and explore various techniques for advancing in their chosen career field. This course prepares students to manage the financial challenges they will face as they prepare for a career and future employment. Students apply newly acquired knowledge and skills in a real-world experience to further solidify future career plans.

Communications *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In Communications, students explore various aspects of communication. They investigate the foundations of communication by analyzing, applying, and designing creative works essential to the professional communications industry. This course establishes a comprehensive foundation for students interested in a post-secondary career in communications.

Debate *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In the Debate course, students learn crucial debate terminology, speech strategies, and persuasive techniques. Students investigate rhetoric and learn to consider multiple and divergent perspectives. Throughout this course, students develop the skills necessary to execute a well-versed and effectively supported argument. This study of supporting claims with credible evidence will allow students to engage in effective persuasive discourse.

Greek and Roman Mythology *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In Greek and Roman Mythology, students explore myths from Greece and Rome. They examine the history of mythology and some of the key gods and goddesses. Students learn to connect the cultures of ancient Greece and Rome with the culture of today. Throughout this course, students use technology and artistic practices to express their knowledge. In addition, they explore vocabulary, literary, and narrative elements, in addition to writing through the lens of mythology. Students work through the process of writing myths of their own through planning, drafting, revising, and publishing.

Health *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In Health, students discover how to make conscientious decisions when attempting to improve their overall health and wellness. From healthy lifestyles, diets, and exercise to responsibilities within individual families and larger communities, topics within the health discipline are pertinent and applicable to all students. Throughout the course, students review concepts that promote safe, healthy, and active lifestyles.

Human Development and Family Studies *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Students in the Human Development and Family Studies course explore the basic information about human development, parenting roles and strategies, and functioning effectively within the family in today's changing and complex society. This course helps students to develop competencies related to genetics, family types, and effective communication. They investigate the ways in which humans develop over their lifespan, human relationships, child care, and child abuse. Students also learn the importance of creating a nurturing and caring home environment

Introduction to Business *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In the Introduction to Business course, students explore their roles as wage earners, consumers, and citizens as they discover the wide, exciting world of business. In this introductory course, students investigate topics pertaining to investment strategies and business communications that are vital for success in today's economy. Students analyze the impact of marketing and the role of the government in the realm of business and economy.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Introduction to College Writing *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Lincoln Empowered Introduction to College Writing prepares students to create freshman writing pieces as they move toward their post-secondary education. In this course, they learn the skills necessary to build a solid foundation for basic college writing as they focus on informative and persuasive writing. Students practice organization, tone, and style in their work to ensure that they are well-rounded and skilled writers. Finally, students discover how to locate and present research and evidence in a logical, well-organized manner.

Introduction to Engineering *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Introduction to Engineering provides students with an overview of the field of engineering and the primary processes and procedures used by engineers. Students explore engineering careers and their impacts on society, and they learn how mathematics and science are used in the field of engineering. They examine different engineering disciplines, the engineering design process, and various engineering styles and methods used in the field. Students take part in hands-on learning as they work through a real-life design problem and solve it through the steps of the engineering design process. The course concludes with a student-created presentation to demonstrate their solution to the design problem. Introduction to Engineering is an excellent addition to a STEM-centered curriculum. Students must have completed Algebra I as a prerequisite and must possess basic spreadsheet, word processing, and presentation software knowledge.

Law *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In the Law course, students examine citizen obligations to law enforcement, the court system, and the rules and regulations that all Americans are expected to uphold. They explore the terminology and the regulations that structure and control society. Students study different types of crime and the law enforcement powers that are put in place to regulate and diminish overall crime. Students who are interested in a law career will benefit from learning the law and justice terminology presented in this course. Warning: This content contains subject matter that may be considered offensive or graphic.

Life Skills *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Life Skills provides students with important information that will help them to lead independent and successful lives as adults. In this course, students focus on topics including personal finance, nutrition, and personal development. The useful skills students gain in this course will help them to become responsible and proactive young adults.

Marketing *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Throughout the Marketing course, students discover the various ways marketing affects their lives. This course introduces students to the study and implementation of market analysis, which focuses on identifying customer needs and desires and supplying them with those exact requests. The course provides a solid foundation for students contemplating careers in marketing, advertising, or other business-related and commercial fields.

Media Writing *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Media Writing is designed for students who are interested in careers in broadcast journalism, communications, or media. In this course, students explore the basics of media writing in addition to careers in print, online, and broadcast media. Students investigate the numerous styles of writing for a number of applications, including newspapers, magazines, audio broadcasts, video broadcasts, and the Internet. In addition, students practice researching, locating, and using sources that are reliable and valid.

Music Appreciation *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Music Appreciation stimulates personal growth when listening to music by exposing the student to a large variety of music with provided listening maps indicating applicable music terminology. Students will be able to explain personal music preference and identify how music is impacted by technology, social values, and daily life of the composers. Students develop an understanding of composer's intent and the ability to rationalize personal interpretation of music works. Similarities and contrasts in music throughout the eras are identified as well as how previous compositions impact future compositions. This course is well suited for advanced upper-level secondary students who plan to focus on music during their post-secondary studies.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Nutrition and Personal Fitness *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

High School Nutrition and Personal Fitness helps students to recognize the impacts that nutritional choices and personal fitness play within their lives. Students learn practical ways to control their health through nutrition, exercise, and stress management. Students discover that physical fitness will help them to feel good.

Pennsylvania History *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In Pennsylvania History, students explore the geography, history, culture, and government of Pennsylvania. They examine Pennsylvania's role in the founding of the United States, the Civil War, and the Industrial Revolution, and they study the state's significance in modern times.

Poetry *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Poetry is a course for students who are interested in learning more about different types of poetry and writing their own poetry. In Poetry, students explore the elements of a poem, including theme, poetic devices, rhyme, meter, and word choice. Students evaluate different poetic structures and draft and create their own poems in these structures. In this course, students use evidence to support analysis, conduct research, and write research papers.

Psychology *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In Psychology, students explore the science of explaining and controlling human behavior. Psychology plays an integral part in everyday life because all decisions, relations, and emotions are closely tied to behavior and genetics. Within this course, students look at behavior, and they consider prominent psychologists who have made impressive and monumental discoveries through testing, research projects, and proving theories. Students study everything from the anatomy of the brain to psychological disorders.

Short Stories *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Short Stories exposes students to the basic characteristics, writing style, and literary elements of a story. From characters, point of view, and setting to techniques such as suspense and irony, students learn how short stories provide readers with the opportunity to experience different story lines in a precise and defined format. Students become acquainted with the compact nature of the short story literary form and each author's ability to weave exciting, interesting narratives in such short, tight spaces. Students learn the importance of being concise, recognizing that good literature does not necessarily have to be lengthy in order to be captivating.

Sociology *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

In the Sociology course, students explore the various topics and sociological terminology necessary for understanding and exploring the field. Students investigate major sociological perspectives and the famous sociologists who invented and contributed to them. Additionally, students determine how researchers perform valid and reliable sociological studies. This course is ideal for students who are interested in pursuing post-secondary careers in sociology, psychology, law, or other social sciences.

Sports Medicine *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Sports Medicine provides students with basic knowledge of the history of sports medicine, the anatomy of the body, and the common injuries that occur in sports. In addition, the course discusses techniques used in sports medicine to train and strengthen the body, treatments for injury and disease, and proper nutrition for athletes. As prerequisites, students must possess basic word processing and presentation software skills. Completion of one full year of high school Biology is required in order to evaluate the numerous biological concepts present in this course.

Technical Writing *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Written-communication skills and professional documentation are central to the Technical Writing course. This course enables students to analyze a variety of real-world documents and allows them to perfect their technical writing abilities. Students encounter numerous types of technical writing, including journal writing, email drafting, persuasive writing, memo creation, letter drafting, and marketing and advertising, allowing them to build upon their own technical writing skills and knowledge. Students are also given an assortment of project-based assignments throughout the course.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

African American Literature *P* ◉

GRADE 9, 10, 11, 12 Language Arts SEM

African American Literature is a survey course that spans the history of America as it relates to the lives of African Americans. Students explore the forcible transport of individuals from Africa to America, the publication of narratives of enslaved men and women, the abolition of slavery under President Lincoln, the civil rights movement, and the presidency of Barack Obama. Students explore the powerful and influential roles that African Americans have played in U.S. history. They discover the contributions of African American activists, artists, and authors through literature and nonfiction texts such as biographies, autobiographies, memoirs, court cases, historical texts, and litigations.

American Literature *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In American Literature, students explore various cultural periods of American literature. They examine numerous aspects of Romanticism, literature from multiple historical eras of the United States, and contributions made by significant American leaders. In addition to discovering multiple genres and investigating numerous periods of writing, students also explore the basics of literature, writing, and grammar.

British Literature *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

British Literature provides students with a survey of literature in this genre. Students explore the Anglo-Saxon and medieval eras, the English Renaissance, and the Restoration and Enlightenment periods. They analyze how authors from this region have traditionally constructed texts and developed prominent and long-lasting literature. In this course, students examine a variety of styles and use the vocabulary that is characteristic of the literature pieces they are reading. This course offers students numerous chances to discuss, analyze, synthesize, and evaluate the texts they read through a wide range of writing and thinking exercises.

Creative Writing *P* ◉

GRADE 9, 10, 11, 12 Language Arts SEM

Creative Writing is a course in which students discover, analyze, and apply the methods and styles used in various forms of fiction, creative nonfiction, drama, and poetry. It emphasizes experimentation and practice, and it encourages students to take cues from published writers and poets. Students express themselves while learning various genres and their respective writing rules. Students also explore related topics, including word choice, diction, form, editing, idea generation, and other skills useful in nonfiction writing. Students do a great deal of writing in this course.

English 1 *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English Language Arts 9 introduces students to elements of literature from classic to modern times using the genres of fiction and nonfiction. Through reading and the study of literary elements, such as plot and setting, character, narrator and voice, tone and mood, and symbolism and irony, students develop skills in literary analysis and interpretation. Students also examine form, style, and persuasion within nonfiction works. In this course, students strengthen their vocabulary, grammar, and mechanics. They also focus on the stages of the writing process.

English 2 *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English Language Arts 10, students focus on literature, grammar, and composition. They examine the different elements of a story, including plot, setting, character, narrator, and voice. Throughout the course, students also study various parts of speech, readings, and poetry. English Language Arts 10 presents students with many different types and styles of writing in order to provide a thorough examination of language and literature.

English Grammar *P* ◉

GRADE 9, 10, 11, 12 Language Arts SEM

Students enrolled in English Grammar explore basic, intermediate, and advanced concepts of grammar, language, style, and composition. By analyzing word meaning and function, students will generate content using appropriate grammatical expressions. Students will examine provided writing samples and their own compositions to enhance their skills. The English Grammar curriculum is designed to cover a half-year of instruction, but it can be completed at each student's own pace.

World Literature *P* ◉

GRADE 9, 10, 11, 12 Language Arts SEM

In World Literature, students explore a wide variety of literary styles, artists, and mediums from cultures and societies around the globe. Students analyze different forms of writing, including fiction and nonfiction, and they evaluate how authors from different areas, religious backgrounds, genders, and cultures use the written word to express thoughts and opinions and tell poignant stories.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Algebra 1 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Algebra I, students explore variables, function patterns, graphs, and equations. They will describe and translate graphic, algebraic, numeric, and verbal representations of relations and use those representations to solve problems. Students will develop computational, procedural, and problem-solving skills throughout this course, building a solid foundation for further study in mathematics.

Algebra 2 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Algebra II, students analyze situations verbally, numerically, graphically, and symbolically. Students solve equations and inequalities. They extend their knowledge of algebraic expressions, absolute value, functions, and graphs. The Algebra II course prepares students for more difficult mathematical concepts and content.

Applied Mathematics *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Applied Mathematics covers the fundamental mathematics necessary for students to obtain a broad range of skills. Although problems in this course apply to a variety of topics from Algebra to Geometry, emphasis is given to real-world applications. Students write and solve linear equations to represent situations such as the value of a car or the distance that a plane travels during a trip. They also learn to solve quadratic equations and find the maximum value of quadratic equations. Students explore area, perimeter, and volume, and then they apply these concepts to situations such as building a swimming pool. Students calculate conversions between the U.S. customary system of measurements and the metric system. Geometry concepts presented in this course include the Pythagorean Theorem, using similar triangles, finding dimensions, and interpreting scale on a map. Finally, students use statistical concepts to interpret data sets and turn those data sets into graphical representations.

Business Mathematics *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Business Mathematics, students discover a variety of basic mathematical concepts and tools for real-word mathematical application including algebraic equations, formulas, operations using fractions, decimals, and percentages. This course shows students how to work with percentages to solve application problems and how to research investment and insurance options. Students learn to graph a function from an equation, and they work with ratios and proportions. Additionally, students explore the proper methods of preparing and analyzing income statements and balance sheets. They also study the ways in which to calculate real estate loan payments, and they learn to read and interpret graphs to represent data in the business world. This course also discusses mean, median, and mode as it relates to the distribution of data.

Calculus *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Calculus evaluates higher-level mathematics through analytical/algebraic, numerical, graphical, and verbal methods. Students study various components of mathematics, including the investigation of trigonometric functions, probability, and series. Students will strengthen their skills with Pre-Calculus and Trigonometry concepts in preparation for post-secondary coursework. Having a strong calculus knowledge base supports all students, but mostly those students who are interested in careers in the mathematics and engineering fields.

Consumer Mathematics *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Consumer Mathematics, students learn mathematical concepts that they will use in their daily lives. They focus on real-world topics that require addition, subtraction, multiplication, and division of whole numbers, as well as fractions, decimals, ratios, proportions, and percentages. Students also explore the ways in which real-life activities such as traveling, purchasing a new car or house, or even installing new carpeting relates to mathematics. Consumer Mathematics relates everyday mathematics concepts to concrete definitions, processes, and many real-life situations.

Geometry *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Geometry, students begin to create a solid foundation in mathematics by studying and exploring a wide range of geometric concepts. Students study the basics of geometric equations and how these equations are present in daily life. They calculate perimeter and work directly with angles and arcs to evaluate the importance of geometric math in construction.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Pre-Algebra *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Pre-Algebra, students explore concepts such as integers, expressions, equations, and fractions. This course provides students with a solid foundation for Algebra I and emphasizes the use of technology, problem solving, critical thinking, and reasoning.

Pre-Calculus *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Pre-Calculus, students develop a deeper and more thorough understanding of functions and graphs. Graphs that students study range from polynomial and rational to exponential, logarithmic, and trigonometric. Some exponential and logarithmic topics discussed in this course are change of base formulas, properties of logs, growth and decay, and logistic growth models.

Probability and Statistics *P* ◉

GRADE 9, 10, 11, 12 Mathematics SEM

Students enrolled in Probability and Statistics build a strong foundation in calculating probabilities and evaluating statistics. The Probability and Statistics curriculum is designed to cover a half year of instruction but can be completed at each student's own pace. Students enrolled in the course explore the representation of statistical data, work with scatter plots, and analyze statistical data using properties and theorems, and more.

Trigonometry *P* ◉

GRADE 9, 10, 11, 12 Mathematics SEM

Trigonometry is offered for students who want to continue a rigorous study of mathematics. The course begins by reviewing the real number system, characteristics of functions, and solving equations. Topics from right-triangle trigonometry lead to an in-depth study of the unit circle and trigonometric functions, their graphs, and their inverses. In their study of analytic trigonometry, students verify identities and solve trigonometric equations. The course covers the Law of Cosines, the Law of Sines, and vectors. It closes with a complete study of conics, parametric equations, and polar curves. Before enrolling in this course, students should have completed Algebra II and Geometry.

Astronomy *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In Astronomy, students begin by discussing basic astronomical concepts and discoveries throughout history. They take an in-depth look at the first moments of the universe by studying the Big Bang. From there, they investigate the evolution of the universe, beginning with the first atoms and moving on to explore elements, stars, solar systems, and galaxies. Students gather information to determine if there is a possibility of life on other planets and in other solar systems. Students analyze the major space missions that have led to the modern study of cosmology, and they explore the possibilities of where this field may take scientists in the future.

Biology *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Biology covers a wide range of concepts in the field of biology. They are introduced to the concept of cell structure and function, and investigate Mendelian genetics and how humans inherit traits. Students also analyze the structure and mechanisms of DNA, as well as the role of biotechnology in today's society. This course presents the theory of evolution, including early ideas, how populations evolve, and the history of life on Earth. Students explore the concept of ecology, where they study the different principles of ecology, interactions that occur within ecosystems, the biosphere, and how humans have impacted ecosystems thus far.

Chemistry *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Chemistry gives students a deeper understanding of the world around them as they investigate how chemistry is involved in everyday life. Students explore fundamental chemistry content and concepts, including the metric system, the periodic table, atomic structures, bonding, chemical reactions, and nuclear reactions. They apply their knowledge and science process skills through labs that use common, household objects in order to explore the practicality of chemistry. As a prerequisite to Chemistry, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Earth Science *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In Earth Science, students discover the theories about how Earth first formed. They explore Earth's history and the different geologic processes that continually take effect and help to shape the planet. Students debate the ways in which human impacts affect the Earth's climate, and they view Earth as a body within the solar system and universe. They also review Earth's renewable and finite resources. The course concludes with a virtual tour of Earth's atmosphere and oceans.

Fundamentals of Ecology *P* ◉

GRADE 9, 10, 11, 12 Science SEM

Fundamentals of Ecology allows students to explore the ways in which organisms interact with their surrounding environments. Students will investigate ecological principles, such as natural selection, population and population dynamics, biodiversity, and the sustainability of ecosystems. Students also analyze major ecological challenges and the different ways society is working to mitigate these challenges.

Physical Science *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Physical Science are introduced to the principles of chemistry and physics so that they may develop a better understanding of atoms, chemical reactions, and nuclear interactions. Students explore the properties and states of matter and investigate chemical bonds and reactions. Students will investigate the development of the periodic table, an outline of modern atomic theory, and organic and nuclear chemistry. Additionally, students study Newton's laws of motion while considering the interactions between motion, forces, energy, and thermodynamics. As a prerequisite to Physical Science, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

Physics *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Students enrolled in Physics advance their knowledge and understanding of concepts in previous general science courses. In this course, students examine classical mechanics while learning to calculate concepts in one-dimensional, two-dimensional, and circular motion. Students explore work and energy in addition to the concepts of waves, sound, light, optics, and electromagnetism. The course concludes with an analysis of nuclear physics and a debate on quantum physics. This course requires students to use fundamental algebra and analytical skills to solve problems and analyze situations. As a prerequisite to Physics, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge. While the completion of Trigonometry is not required, a pre-or co-requisite of Trigonometry will allow students to be better prepared for calculations involving dynamics, vectors, and kinematics.

African American History *P* ◉

GRADE 9, 10, 11, 12 Social Studies SEM

African American History is a survey course that spans the history of America, including ancient African society and culture through the presidency of Barack Obama. Students examine the African American struggle to secure their constitutional rights. This course explores the powerful and influential role of African Americans in U.S. history.

Ancient History *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

Ancient History enables students to explore the cultures of ancient civilizations throughout the world. They discover each civilization's contributions to art, music, literature, education, religion, science, technology, government, and philosophy. Students explore aspects of humanity from prehistoric to about 500 CE.d.

Civics and Government *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

Civics and Government offers students an introduction to the foundation of the democratic government of the U.S. and the basic principles of the judicial system. In this course, students explore what it means to be a citizen, as well as the structure of the legislative, executive, and judicial branches of the U.S. government. Students learn about how these branches work together. Students also look at the characteristics of state and local governments throughout the country to examine the organization and responsibilities of these branches. Students also explore the components of the American economy, including its foundations and how it interacts with other economies of the world.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Economics *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

Economics presents an overview of microeconomics and macroeconomics. It discusses economic theories, economic systems, various economic concepts, and the global economy. Students will examine the economy of the United States in depth and compare it to other economies. Students will also explore personal banking and how to prepare for their financial future.

U.S. History 1 *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

United States History I introduces students to early American history and covers topics ranging from the first inhabitants of the North American continent through the end of the American Civil War. Students examine the growth of the United States, including major events that led to the American Revolution; post-Revolutionary War growth; the political, economic, and social landscape in the early 1800s; slavery; and territorial expansion. Students explore the concept of Manifest Destiny and the Civil War, leading to an analysis of the state of the nation at the Civil War's end.

U.S. History 2 *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In United States History II students continue to study United States history by exploring important historical moments from the Reconstruction era through the end of World War II. Students learn about the industrialization of this growing nation and the economic and social changes it underwent as the nation transitioned from an agricultural society to an industrial society. Students also analyze the challenges the nation faced as it was forced to choose between isolation and involvement in international armed conflicts. This course guides students as they interpret the extraordinary changes the nation went through after the American Civil War and examine how those changes ultimately led to the United States' emergence as an international power at the conclusion of World War II.

World and Cultural Mythology *P* ◉

GRADE 9, 10, 11, 12 Social Studies SEM

World and Cultural Mythology is the perfect course for students looking for an interactive way to learn about mythology and myths from around the world. The course focuses on different dynamics of myths and analyzes aspects of myths found in different cultures. The course looks at the type of writing styles used in different myths, including common terminology, sentence structure, and writing techniques. Finally, students evaluate mythical places and sacred locations, including the characters commonly found in myths, such as gods, goddesses, monsters, heroes, and deities.

World Geography *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In World Geography, students explore the principles and tools of geography while examining the world as geographers. Students gain cultural perspectives by exploring the physical and human geographic aspects of each continent and its regions. This enables students to analyze cultures throughout the world and examine how the global community impacts their lives.

World History *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

World History allows students to investigate significant events, people, and places from prehistoric to modern times. Studying world history allows students to consider the historical relevance of people, places, and events. In this wide-ranging course, students learn how the world and its inhabitants were shaped over time, and, in the process, gain a better understanding of the role that geography plays in world history.

L-Credit Recovery
Catalog

The L-Credit Recovery curriculum catalog places an emphasis on discovering skills and knowledge. Not simply recovering credits. Empower your students to discover knowledge. When students engage in higher-order thinking skills, they are better able to apply their learning through demonstration of analysis, evaluation, and synthesis.

Rather than looking at credit recovery as simply an alternative method for earning credits and graduating, education leaders are beginning to look at credit recovery programs as a form of differentiated instruction and an opportunity to equip students with the knowledge and skills necessary for success after graduation.

The course includes a topic-level prescriptive Pre-Test allowing for targeted, real-time data that aids in the understanding of a student's level of mastery. The student receives engaging, standards-aligned course content based on pre-test results, configuring a course uniquely designed for each student. Students will receive follow up assessment questions aligned and tagged at the learning objective level where learning objectives collectively meet the standards.

Year-long courses consist of 180+ lesson folders and Semester courses (1 and 2) consist of 90+ lesson folders. The suggestion of the instructional design is for students to complete one lesson folder a day in a 50-60 min. class period.

Each lesson folder typically contains one or more of the following learning objects: Read It, Practice It, Watch It, Play It, Show It, Answer Keys (AK), Reinforce It, Extend It, Apply It, Assess It, Pre-test, Post-test. This instructional design breaks down information into bite-sized chunks and accommodates various learning styles. All courses have access to the text-to-speech toolbar.

Each course has a course resource folder that can contain one or more of the following resources: a parent teacher guide, pacing guide, and a supply/materials list. Some courses may contain other lists in this folder. Ex: Reading List, Addition Chart, etc.

Hidden Items (if applicable)
Student Survey

Default Weights*

Post Tests 85%

Final Exam 15%

*Weights can easily be adjusted to teacher's preference

L-Credit Recovery

High School

A–G approved

Grades 9, 10, 11, 12

1960s America

GRADE 9, 10, 11, 12 Electives SEM

The 1960s America course gives students a look at life during this exciting and monumental decade. This course covers the social, political, and cultural movements and changes that occurred in the 1960s. Students explore different historical events and determine how these events impacted American citizens during the decade and afterward. The course also focuses on significant headlines of the 1960s to give students a realistic perspective of this decade.

Algebra 1

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Algebra I, students explore variables, function patterns, graphs, and equations. They will describe and translate graphic, algebraic, numeric, and verbal representations of relations and use those representations to solve problems. Students will develop computational, procedural, and problem-solving skills throughout this course, building a solid foundation for further study in mathematics.

Algebra 2

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Algebra II, students analyze situations verbally, numerically, graphically, and symbolically. Students solve equations and inequalities. They extend their knowledge of algebraic expressions, absolute value, functions, and graphs. The Algebra II course prepares students for more difficult mathematical concepts and content.

American Literature

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In American Literature, students explore various cultural periods of American literature. They examine numerous aspects of Romanticism, literature from multiple historical eras of the United States, and contributions made by significant American leaders. In addition to discovering multiple genres and investigating numerous periods of writing, students also explore the basics of literature, writing, and grammar.

Applied Mathematics

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Applied Mathematics covers the fundamental mathematics necessary for students to obtain a broad range of skills. Although problems in this course apply to a variety of topics from Algebra to Geometry, emphasis is given to real-world applications. Students write and solve linear equations to represent situations such as the value of a car or the distance that a plane travels during a trip. They also learn to solve quadratic equations and find the maximum value of quadratic equations. Students explore area, perimeter, and volume, and then they apply these concepts to situations such as building a swimming pool. Students calculate conversions between the U.S. customary system of measurements and the metric system. Geometry concepts presented in this course include the Pythagorean Theorem, using similar triangles, finding dimensions, and interpreting scale on a map. Finally, students use statistical concepts to interpret data sets and turn those data sets into graphical representations.

Astronomy

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In Astronomy, students begin by discussing basic astronomical concepts and discoveries throughout history. They take an in-depth look at the first moments of the universe by studying the Big Bang. From there, they investigate the evolution of the universe, beginning with the first atoms and moving on to explore elements, stars, solar systems, and galaxies. Students gather information to determine if there is a possibility of life on other planets and in other solar systems. Students analyze the major space missions that have led to the modern study of cosmology, and they explore the possibilities of where this field may take scientists in the future.

Biology

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Biology covers a wide range of concepts in the field of biology. They are introduced to the concept of cell structure and function, and investigate Mendelian genetics and how humans inherit traits. Students also analyze the structure and mechanisms of DNA, as well as the role of biotechnology in today's society. This course presents the theory of evolution, including early ideas, how populations evolve, and the history of life on Earth. Students explore the concept of ecology, where they study the different principles of ecology, interactions that occur within ecosystems, the biosphere, and how humans have impacted ecosystems thus far.

Grades 9, 10, 11, 12 continued

L-Credit Recovery

High School

A–G approved

Grades 9, 10, 11, 12

British Literature

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

British Literature provides students with a survey of literature in this genre. Students explore the Anglo-Saxon and medieval eras, the English Renaissance, and the Restoration and Enlightenment periods. They analyze how authors from this region have traditionally constructed texts and developed prominent and long-lasting literature. In this course, students examine a variety of styles and use the vocabulary that is characteristic of the literature pieces they are reading. This course offers students numerous chances to discuss, analyze, synthesize, and evaluate the texts they read through a wide range of writing and thinking exercises.

Business Mathematics

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Business Mathematics, students discover a variety of basic mathematical concepts and tools for real-word mathematical application including algebraic equations, formulas, operations using fractions, decimals, and percentages. This course shows students how to work with percentages to solve application problems and how to research investment and insurance options. Students learn to graph a function from an equation, and they work with ratios and proportions. Additionally, students explore the proper methods of preparing and analyzing income statements and balance sheets. They also study the ways in which to calculate real estate loan payments, and they learn to read and interpret graphs to represent data in the business world. This course also discusses mean, median, and mode as it relates to the distribution of data.

Calculus

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Calculus evaluates higher-level mathematics through analytical/algebraic, numerical, graphical, and verbal methods. Students study various components of mathematics, including the investigation of trigonometric functions, probability, and series. Students will strengthen their skills with Pre-Calculus and Trigonometry concepts in preparation for post-secondary coursework. Having a strong calculus knowledge base supports all students, but mostly those students who are interested in careers in the mathematics and engineering fields.

Chemistry

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Chemistry gives students a deeper understanding of the world around them as they investigate how chemistry is involved in everyday life. Students explore fundamental chemistry content and concepts, including the metric system, the periodic table, atomic structures, bonding, chemical reactions, and nuclear reactions. They apply their knowledge and science process skills through labs that use common, household objects in order to explore the practicality of chemistry. As a prerequisite to Chemistry, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

Civics and Government

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

Civics and Government offers students an introduction to the foundation of the democratic government of the U.S. and the basic principles of the judicial system. In this course, students explore what it means to be a citizen, as well as the structure of the legislative, executive, and judicial branches of the U.S. government. Students learn about how these branches work together. Students also look at the characteristics of state and local governments throughout the country to examine the organization and responsibilities of these branches. Students also explore the components of the American economy, including its foundations and how it interacts with other economies of the world.

Consumer Mathematics

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Consumer Mathematics, students learn mathematical concepts that they will use in their daily lives. They focus on real-world topics that require addition, subtraction, multiplication, and division of whole numbers, as well as fractions, decimals, ratios, proportions, and percentages. Students also explore the ways in which real-life activities such as traveling, purchasing a new car or house, or even installing new carpeting relates to mathematics. Consumer Mathematics relates everyday mathematics concepts to concrete definitions, processes, and many real-life situations.

Grades 9, 10, 11, 12 continued

L-Credit Recovery

High School

A–G approved

Grades 9, 10, 11, 12

Earth Science

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In Earth Science, students discover the theories about how Earth first formed. They explore Earth's history and the different geologic processes that continually take effect and help to shape the planet. Students debate the ways in which human impacts affect the Earth's climate, and they view Earth as a body within the solar system and universe. They also review Earth's renewable and finite resources. The course concludes with a virtual tour of Earth's atmosphere and oceans.

English 1

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English Language Arts 9 introduces students to elements of literature from classic to modern times using the genres of fiction and nonfiction. Through reading and the study of literary elements, such as plot and setting, character, narrator and voice, tone and mood, and symbolism and irony, students develop skills in literary analysis and interpretation. Students also examine form, style, and persuasion within nonfiction works. In this course, students strengthen their vocabulary, grammar, and mechanics. They also focus on the stages of the writing process.

English 2

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English Language Arts 10, students focus on literature, grammar, and composition. They examine the different elements of a story, including plot, setting, character, narrator, and voice. Throughout the course, students also study various parts of speech, readings, and poetry. English Language Arts 10 presents students with many different types and styles of writing in order to provide a thorough examination of language and literature.

Environmental Science

GRADE 9, 10, 11, 12 Science SEM

Environmental Science introduces students to the scientific method, terrestrial and aquatic ecosystems, biomes of the world, tropic interactions, and nutrient and chemical cycles. Students analyze the human impact on the environment and ways to reduce negative consequences. Students investigate environmental issues first hand and use their discoveries to make environmental decisions for themselves.

Fundamentals of Ecology

GRADE 9, 10, 11, 12 Science SEM

Fundamentals of Ecology allows students to explore the ways in which organisms interact with their surrounding environments. Students will investigate ecological principles, such as natural selection, population and population dynamics, biodiversity, and the sustainability of ecosystems. Students also analyze major ecological challenges and the different ways society is working to mitigate these challenges.

Geometry

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Geometry, students begin to create a solid foundation in mathematics by studying and exploring a wide range of geometric concepts. Students study the basics of geometric equations and how these equations are present in daily life. They calculate perimeter and work directly with angles and arcs to evaluate the importance of geometric math in construction.

Health

GRADE 9, 10, 11, 12 Electives SEM

In Health, students discover how to make conscientious decisions when attempting to improve their overall health and wellness. From healthy lifestyles, diets, and exercise to responsibilities within individual families and larger communities, topics within the health discipline are pertinent and applicable to all students. Throughout the course, students review concepts that promote safe, healthy, and active lifestyles.

Pennsylvania History

GRADE 9, 10, 11, 12 Electives SEM

In Pennsylvania History, students explore the geography, history, culture, and government of Pennsylvania. They examine Pennsylvania's role in the founding of the United States, the Civil War, and the Industrial Revolution, and they study the state's significance in modern times.

Grades 9, 10, 11, 12 continued

L-Credit Recovery

High School

A–G approved

Grades 9, 10, 11, 12 (continued)

Physical Science

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Physical Science are introduced to the principles of chemistry and physics so that they may develop a better understanding of atoms, chemical reactions, and nuclear interactions. Students explore the properties and states of matter and investigate chemical bonds and reactions. Students will investigate the development of the periodic table, an outline of modern atomic theory, and organic and nuclear chemistry. Additionally, students study Newton's laws of motion while considering the interactions between motion, forces, energy, and thermodynamics. As a prerequisite to Physical Science, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

Physics

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Students enrolled in Physics advance their knowledge and understanding of concepts in previous general science courses. In this course, students examine classical mechanics while learning to calculate concepts in one-dimensional, two-dimensional, and circular motion. Students explore work and energy in addition to the concepts of waves, sound, light, optics, and electromagnetism. The course concludes with an analysis of nuclear physics and a debate on quantum physics. This course requires students to use fundamental algebra and analytical skills to solve problems and analyze situations. As a prerequisite to Physics, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge. While the completion of Trigonometry is not required, a pre-or co-requisite of Trigonometry will allow students to be better prepared for calculations involving dynamics, vectors, and kinematics.

Pre-Algebra

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Pre-Algebra, students explore concepts such as integers, expressions, equations, and fractions. This course provides students with a solid foundation for Algebra I and emphasizes the use of technology, problem solving, critical thinking, and reasoning.

Pre-Calculus

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

In Pre-Calculus, students develop a deeper and more thorough understanding of functions and graphs. Graphs that students study range from polynomial and rational to exponential, logarithmic, and trigonometric. Some exponential and logarithmic topics discussed in this course are change of base formulas, properties of logs, growth and decay, and logistic growth models.

Short Stories

GRADE 9, 10, 11, 12 Electives SEM

Short Stories exposes students to the basic characteristics, writing style, and literary elements of a story. From characters, point of view, and setting to techniques such as suspense and irony, students learn how short stories provide readers with the opportunity to experience different story lines in a precise and defined format. Students become acquainted with the compact nature of the short story literary form and each author's ability to weave exciting, interesting narratives in such short, tight spaces. Students learn the importance of being concise, recognizing that good literature does not necessarily have to be lengthy in order to be captivating.

Technical Writing

GRADE 9, 10, 11, 12 Electives SEM

Written-communication skills and professional documentation are central to the Technical Writing course. This course enables students to analyze a variety of real-world documents and allows them to perfect their technical writing abilities. Students encounter numerous types of technical writing, including journal writing, email drafting, persuasive writing, memo creation, letter drafting, and marketing and advertising, allowing them to build upon their own technical writing skills and knowledge. Students are also given an assortment of project-based assignments throughout the course.

U.S. History 1

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

United States History I introduces students to early American history and covers topics ranging from the first inhabitants of the North American continent through the end of the American Civil War. Students examine the growth of the United States, including major events that led to the American Revolution; post-Revolutionary War growth; the political, economic, and social landscape in the early 1800s; slavery; and territorial expansion. Students explore the concept of Manifest Destiny and the Civil War, leading to an analysis of the state of the nation at the Civil War's end.

Grades 9, 10, 11, 12 continued

L-Credit Recovery

High School

A–G approved

Grades 9, 10, 11, 12 (continued)

U.S. History 2

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In United States History II students continue to study United States history by exploring important historical moments from the Reconstruction era through the end of World War II. Students learn about the industrialization of this growing nation and the economic and social changes it underwent as the nation transitioned from an agricultural society to an industrial society. Students also analyze the challenges the nation faced as it was forced to choose between isolation and involvement in international armed conflicts. This course guides students as they interpret the extraordinary changes the nation went through after the American Civil War and examine how those changes ultimately led to the United States' emergence as an international power at the conclusion of World War II.

World Cultures

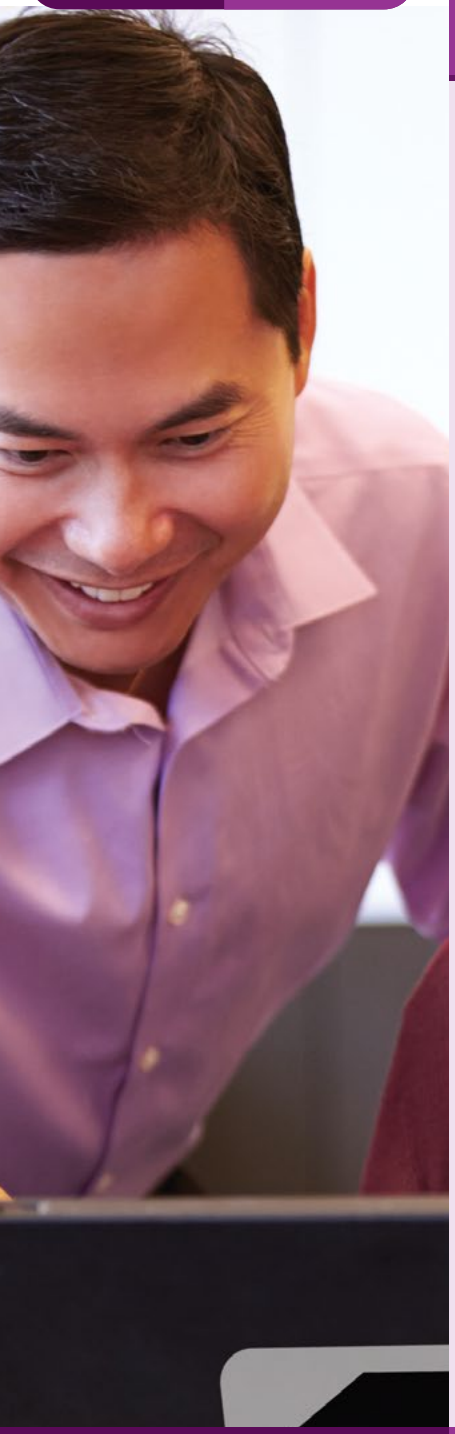
GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

World Cultures explains global geography, history, and culture to students. In this course, students study the major political powers of each era and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the course, students examine a world at war, navigating the Great War, nationalist movements in Russia and Asia, World War II, the Cold War, Third World independence, and struggles for democracy. The course closes with discussions of current global issues such as terrorism, technology, economy, pollution, and renewable energy.

World History

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

World History allows students to investigate significant events, people, and places from prehistoric to modern times. Studying world history allows students to consider the historical relevance of people, places, and events. In this wide-ranging course, students learn how the world and its inhabitants were shaped over time, and, in the process, gain a better understanding of the role that geography plays in world history.



B-Asynchronous
Catalog

The **B-Asynchronous** curriculum catalog model boasts a proven track record of success with virtual schools, engaging advanced students, bridging learning gaps, and increasing graduation rates. The courses offered within this catalog include both online and optional printed materials. All PLP *Asynchronous* courses lend themselves more to *self-paced* learning environments. Unlike the *L-Asynchronous* courses, however, the *B-Asynchronous* courses are not auto-graded.

The lessons and activities are designed to challenge students and stay engaged using modern learning tools that allow advanced students to work at their own pace.

These courses are offered as Semesters 1 and 2, as well as Year-long. Each semester contains 5 units on instruction. The courses follow a consistent instructional design containing lessons, activities, quizzes, practice tests, unit tests, and final exams. There are also discussion forums, projects, labs, and SEL (Social/Emotional Learning) content throughout many of the courses.

Each lesson contains lesson objectives, vocabulary, learning text, and check-for-understanding questions. This instructional design allows students to practice the skill of searching for answers in context.

Lesson settings include the ability to allow students to access a highlighter, an answer eliminator tool, print function, and an area to take notes.

Most lesson assessments are computer-graded. Some essay questions and activities will contain a submission box where students can type their responses or draw, insert images, create and insert video clips, insert charts, and/or attach files.

Hidden Items (if applicable)
Unit quizzes, Teacher guide, Lab or project answer keys

Default Weights*

Lessons	10%	Assignments	10%
Quizzes	20%	Midterm	10%
Unit tests	35%	Final exam	15%
Practice tests	0%		

*Weights can easily be adjusted to teacher's preference

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade K

K ELA – Language Arts

GRADE K Language Arts S1 | S2 | YEAR

Kindergarten Language Arts introduces students to a variety of literary and informational texts. Students will learn about basic story elements and plot sequences through classic pieces of children's literature. First, students will explore nursery rhymes, such as "Hickory Dickory Dock." Then, students will move on to fables, fairy tales, and folk tales, such as "Sleeping Beauty" and "The Three Little Pigs." This course will also teach students how to use informational texts for learning. Students will learn the parts of a book and how to use text features to gain understanding. In each Unit, students will complete fun activities that bring texts to life. Students will demonstrate their ability to describe stories, make connections, and use standard English conventions in a variety of ways, including speaking and drawing.

K ELA – Phonics, Spelling, and Penmanship

GRADE K Language Arts S1 | S2 | YEAR

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 68 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Once students can effortlessly read individual words, they are then ready to comprehend sentences. For penmanship, students learn and practice proper sitting posture, correct pencil grip, directions for paper slant, and the steps for writing manuscript. When students can form letters with automaticity and ease, they can focus on what they want to say. Writing by hand creates kinesthetic memories of letters, which also helps students learn how to read.

K Mathematics

GRADE K Mathematics S1 | S2 | YEAR

Kindergarten Math explores fundamental concepts of numbers, helping students to make connections between concrete objects and numbers. For the numbers 1-20, students learn to recognize word forms, identify and write numerical values, and compare numbers using symbols (<, >, =). Students master counting to 100 and skip counting by tens. Students learn that addition is the joining of numbers, and subtraction is the separation of numbers. The course teaches students addition and subtraction to 10 using models, pictures, number bonds, and number lines. Other concepts covered in this course include shapes and their attributes, measurements, data collection and sorting, picture graphs, and financial literacy. Throughout the course, students get hands-on experience and practice counting with manipulatives, number lines, and charts. Colorful, clear, and engaging visuals are used throughout the course to enhance student learning.

K Science

GRADE K Science S1 | S2 | YEAR

Kindergarten Science lays the foundation for investigation and reasoning in science. The course includes three main domains; life science, Earth and space science, and physical science. Students will develop a basic understanding of science and skills necessary to conduct experiments, such as how to ask questions, communicate ideas, and make observations using the five senses. Students will engage in life science concepts, including animal parts and characteristics, plants and their life cycle, and basic needs of all living things. In Earth and space science, students will explore patterns in the natural world by observing and comparing different rocks, soil, and water. The course develops the student's understanding of objects in the sky and the patterns they create, such as day and night, seasons, and weather. Students will discover the concepts of matter and energy by exploring the physical properties, location, and motion of objects and materials.

K Social Studies

GRADE K Social Studies S1 | S2 | YEAR

Kindergarten Social Studies introduces young learners to the social sciences. The course starts with an invitation to learners to investigate how people use jobs to meet basic needs and wants. Next, students will discover how traditions, kinship, and religion shape each family's culture. An introduction to basic map skills is followed by a survey of basic landforms and bodies of water. The course then transitions into a study of the role of leaders, the relationship between government and rules, and an introduction to national symbols including the U.S. flag. Students will discover the meaning behind selected patriotic holidays before concluding the course with a look at how technology affects our lives.

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 1

1st ELA - Grammar and Penmanship

GRADE 1 Language Arts FLEX)

1st Grade Grammar and Penmanship teaches students to communicate clearly in writing. Through penmanship instruction, students will learn how to form all lowercase and uppercase manuscript letters. Each penmanship Lesson reinforces the letters, phonograms, and words that are introduced in the corresponding Phonics and Spelling Lesson. Through grammar instruction, students will learn the purpose of words, sentences, and punctuation. Students begin by learning about parts of speech and parts of sentences and build up to whole sentences and punctuation rules. Throughout the course, students will construct their own writing handbook. The handbook will include examples of manuscript letters as well as grammar terms and rules. The course culminates in students writing correspondences to authentically practice grammar and penmanship.

1st ELA - Phonics and Spelling

GRADE 1 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. Students will use spelling rules learned in kindergarten as well as learn additional rules to help them spell and read a variety of words. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

1st ELA - Reading and Composition

GRADE 1 Language Arts FLEX

In 1st Grade Reading and Composition, students will explore the patterns of literary and informational texts. The course begins by providing explicit instructions for academic vocabulary and comprehension skills. Then, each Unit guides students through the process of close reading. Students will read a variety of literature, including fun and classic pieces such as “Twinkle, Twinkle, Little Star” and “Goldilocks and the Three Bears.” Students will practice using reading strategies to understand the literal meaning and purpose of a text. Students will also learn how to use evidence to make predictions and inferences about texts. At the end of each Unit, students will apply their learning of texts by composing their own texts.

1st Mathematics

GRADE 1 Mathematics S1 | S2 | YEAR

In 1st Grade Math, students will extend their understanding of number concepts from 0 to 120. The course starts with a review of kindergarten concepts and introduces place value. Students will compare numbers using symbols (<, >, =) and number lines. The course teaches students addition and subtraction using multiple methods. The methods include composing and decomposing numbers with number bonds, number lines, hundreds charts, doubles, doubles plus one, ten less ten more, place value models, expanded and standard forms, and algorithms. These methods are also used for missing values and story problems. Other concepts covered in this course include shapes and solids, fractions, measurements of length and time, data collection, pictographs and bar graphs, and financial literacy and U.S. currency. Throughout the course, students practice addition and subtraction math facts for numbers up to 20. Each Unit also has hands-on activities and projects to further students’ understanding of spiraling concepts.

1st Science

GRADE 1 Science S1 | S2 | YEAR

In 1st Grade Science, students use inquiry and the five senses to learn about and explore the natural world. Students will develop the skills needed to ask questions and seek out answers, including making predictions and observations, collecting data, and organizing data. Students will explore three main domains of inquiry; life science, Earth and space science, and physical science. In life science, students further their understanding of living versus nonliving things and the basic needs of living things. Earth and space science includes the cycles and systems of the natural world, such as rocks, soil, and water. In physical science, students will investigate and classify matter by its properties, predict changes to materials when they are heated and cooled, describe the importance of light, heat and sound energy, and demonstrate that objects move in different ways. Throughout the course, students engage in asking questions, communicating ideas, and using scientific tools.

Grade 1 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 1 (continued)

1st Social Studies

GRADE 1 Social Studies S1 | S2 | YEAR

This course builds on basic concepts introduced in kindergarten. The first two Units will teach students to use geography tools to interpret maps and globes. The focus then shifts to government. Learners will investigate how the United States was formed, survey the structure of our government, and identify and analyze the meaning of national symbols. Students will next study the role of states before learning about citizenship. Unit 8 will introduce learners to patriotic, community, and family customs and traditions. Students will then investigate basic economic concepts including goods, services, choices, spending, and savings before concluding the course with an examination of how technology changes the way humans work and play.

Grade 2

2nd ELA - Grammar and Penmanship

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as “The Lion and the Mouse” and “Cinderella.” It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text’s genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author’s purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

2nd ELA - Phonics and Spelling

GRADE 2 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words. It focuses on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Students will use spelling rules learned in 1st grade as well as learn additional rules to help them spell and read a variety of words with increasing complexity. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

2nd ELA - Reading and Composition

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as “The Lion and the Mouse” and “Cinderella.” It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text’s genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author’s purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

2nd Mathematics

GRADE 2 Mathematics S1 | S2 | YEAR

2nd Grade Math extends students’ understanding of number concepts and place value up to the number 1,200. The course starts with teaching students to read and write numbers in different forms. Students will compare numbers using symbols (<, >, =) and number lines. Students will also learn about even and odd numbers. The course teaches students addition and subtraction using multiple methods and spiraling. Methods include composing and decomposing numbers with expanded and standard forms, number lines, hundreds charts, place value models, and algorithms. These methods are also applied in solving one- and two-step word problems. Students learn to use mental math to add tens and hundreds. The mental math also helps students better understand place value. Other concepts covered in this course include fractions, multiplication and division, geometric shapes, measurements, time, data from pictographs and bar graphs, money, and financial literacy. Throughout the course, students practice addition and subtraction math facts for numbers up to 20.

Grade 2 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 2 (continued)

2nd Science

GRADE 2 Science S1 | S2 | YEAR)

In 2nd Grade Science, students learn and practice fundamental science concepts. It addresses the need for students to read information for themselves, while giving students opportunities for hands-on science investigations. The course carefully introduces students to new vocabulary with support through regular repetition of key words. The students are introduced to scientific investigation and reasoning, as well as science tools and lab rules. Students will learn to identify and demonstrate how to use, conserve, and dispose of natural resources and materials by conserving water and reusing or recycling paper, plastic, and metal. Covered topics include matter, energy, force, motion, natural resources, space, and organisms, such as plants and animals.

2nd Social Studies *P*

GRADE 2 Social Studies S1 | S2 | YEAR

2nd Grade Social Studies introduces students to basic government, citizenship, history, economic, cultural, and geographic concepts. This is accomplished as they investigate communities, neighborhoods, holidays, symbols, monuments, the continents and oceans, and the virtues of the free enterprise system. The course begins with a look at rural, suburban, and urban communities. Students then learn about local neighborhoods and the people who live and work in them. The concept of neighborhood expands as the course progresses to include the state, nation, and world. Along the way, students will meet good citizens who helped their communities, including John Hancock, Sojourner Truth, and the Navajo Code Talkers.

Grade 3

3rd Art *P*

GRADE 3 Electives FLEX

The study of art in 3rd Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

3rd Health *P*

GRADE 3 Electives FLEX

The 3rd Grade Health course builds on the knowledge and skills learned in the second grade. In this course, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, this course helps students learn personal/interpersonal skills needed to promote individual, family, and community health. Several projects help the student expand health thinking and practice skills learned in the course.

3rd Music *P*

GRADE 3 Electives FLEX

The study of music in 3rd Grade focuses on basic sight-reading skills, performing folk dances, and learning the history of folk music in America. Students will learn to play songs in 2/4 and 4/4 time signatures on the soprano recorder. Virtual games teach students to listen for changes in dynamics, count the number of beats, and recognize where measures start and end. By the end of the year, students will know how to read music and play the recorder. They will also know how to clog-dance and how to behave during a formal music concert. The goal of the 3rd Grade Music course is to learn musical performance, active listening skills, and mindfulness in a fun and relaxed environment.

3rd Language Arts *P*

GRADE 3 Language Arts S1 | S2 | YEAR

This course provides students instruction and practice in reading, comprehending, and analyzing various genres. Students will also learn skills to become stronger writers while creating texts for various purposes. Students will complete basic research tasks. In addition, students will learn spelling, grammar, and conventions to strengthen their writing. They will also learn and practice skills and strategies to build their vocabulary. Students will further their communication skills by listening, speaking, and working with peers. Students will also learn and utilize cursive writing.

Grade 3 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 3 (continued)

3rd Mathematics *P*

GRADE 3 Mathematics S1 | S2 | YEAR

The primary focal areas in 3rd Grade Math are place value, operations of whole numbers, and understanding fractional units. Students will learn the purpose of rounding numbers and learn to identify values on a number line. Students will perform the operations of addition, subtraction, multiplication, and division. They will learn and practice multiplication through 10. They will also learn to model division in different ways, including grouping and using arrays. The mathematical strands of algebraic reasoning, geometry and measurement, and data analysis are presented and practiced. The use of tables, graphs, and charts is thoroughly explained, and concepts of financial literacy are also covered.

3rd Science *P*

GRADE 3 Science S1 | S2 | YEAR

The study of science in 3rd Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making tables and graphs. Students use tools such as collecting nets, sound recorders, and spring scales to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; describing the forms of energy; investigating how forces cause change; describing rapid changes to Earth's surface; comparing different landforms; creating models of the solar system; understanding the structures of living organisms and how they interact with each other and the environment, and comparing life cycles of different plants and animals.

3rd Social Studies *P*

GRADE 3 Social Studies S1 | S2 | YEAR

The theme of 3rd Grade Social Studies is community. Students will compare and contrast different types of communities and discover how cultural diversity adds richness and meaning to life in communities. As the course progresses, students will be introduced to the concept of living in a larger world community. They will learn about heroic men and women who overcame adversity and made their communities better places to live. Students will apply map-reading skills and examine source documents that will help them place communities and events in geographical and historical context. Students will learn that they have a responsibility to improve their communities and will identify ways to participate through nonprofit groups, government, and the free enterprise system.

Grade 4

4th Art *P*

GRADE 4 Electives FLEX

The study of art in 4th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

4th Health *P*

GRADE 4 Electives FLEX

In 4th Grade Health, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. In addition to learning age-specific health information on a variety of health topics, students learn how their behaviors affect their body systems. Students are taught the consequences of unsafe behaviors while using social skills to deal with peer pressure and communicate effectively.

4th Music *P*

GRADE 4 Electives FLEX

The study of music in 4th Grade opens the gateway into exciting development. Building upon the basics covered in 3rd Grade (while still teaching these basics in order to function as a stand-alone course), 4th Grade music allows students the opportunity to learn how music recording and distribution has changed over the years. Students will learn to conduct and play music on the recorder in 2/4, 3/4, and 4/4 time signatures while also learning different musical forms. 4th Grade music has a focus on Texas heritage, noting the influence of Mexican-American, African- American, and European immigrant culture on the music and dancing of the state. Students will listen to great examples of music from a variety of instruments, historical recordings, and cultures as their understanding and respect for different varieties of music increases.

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 4 (continued)

4th Language Arts *P*

GRADE 4 Language Arts S1 | S2 | YEAR

Covering 4th Grade ELAR objectives, this course builds upon third-grade skills and vocabulary development. The focus is reading comprehension of main ideas, details, and themes. Students also keep a reading journal and compare different genre elements. Students write narratives and various essays, including a persuasive essay and an informative research paper. They also evaluate graphic elements, media, and speeches. In the area of cooperative learning, students practice good listening and discussion skills. Additionally, they use technology to make a presentation and self-evaluate their performance.

4th Mathematics *P*

GRADE 4 Mathematics S1 | S2 | YEAR

The primary focal areas in 4th Grade Math are the use of operations, fractions and decimals, and describing and analyzing geometry and measurement. Students will practice multiplication and divide 4-digit numbers by single-digit divisors. They will also learn about estimating quotients. Students will learn and practice addition and subtraction of fractions. Algebraic concepts will include working with equations and solving multi-step problems. Perimeter and area problems will also be performed. Financial literacy topics are also covered.

4th Science *P*

GRADE 4 Science S1 | S2 | YEAR

The study of science in 4th Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making graphs. Students use tools such as beakers, compasses, and balances to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; predicting how matter changes with heating and cooling; describing the forms of energy and its cycles; understanding slow changes to Earth's surface; recognizing weather patterns and using weather maps; understanding the structures and relationships of living organisms and their environment; illustrating and comparing life cycles of different plants and animals; and investigating patterns in the Sun, Earth, Moon system, including shadows and lunar phases.

Grade 5

5th Art *P*

GRADE 5 Electives FLEX

The study of art in 5th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

5th Health *P*

GRADE 5 Electives FLEX

In 5th Grade Health, the students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, students are taught about the human body and the changes that come with puberty. Students are taught how to maintain healthy body systems and prevent disease. Students also learn how technology and the media influence personal health and how to apply problem-solving skills to improve or protect their health.

5th Music *P*

GRADE 5 Electives FLEX

The study of music in 5th Grade integrates singing into the student's musical experience. The 5th Grade course enhances sight singing skills by adding in new examples with different key signatures and compound time signatures. Musical form is taught through activities that allow students to express themselves and talk freely about the music and films they prefer, while also providing the critical vocabulary needed to describe this music in a more polished manner. Cultural representation is a key factor in 5th Grade Music, with African-American, Native-American, American Sign Language, and European immigrant representation. Students will finish the 5th Grade Music course with a greater understanding and appreciation for the music of the different cultures around them.

Grade 5 continued

Elementary | Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 5 (continued)

5th Language Arts *P*

GRADE 5 Language Arts S1 | S2 | YEAR

All standard conventions of English grammar are thoroughly covered. Vocabulary and spelling are spiraled throughout and include word roots, affixes, use of the dictionary, and using context. Students will read and analyze all major genres and be asked to imitate each in their own writing. Students analyze the novel Number the Stars. The students compose all forms of writing required by the state standards and are given detailed instructions in formal research and essays. A section on media literacy is included. Many lessons require peer collaboration. Fluency in reading aloud is taught overtly.

5th Mathematics *P*

GRADE 5 Mathematics S1 | S2 | YEAR

5th Grade Math will develop students' mathematical problem-solving skills. Beginning with an overview of place values, students will learn to regroup numbers and estimate sums and differences. Students will learn to multiply and divide numbers with more than one digit. Proficiency will be gained in adding, subtracting, multiplying, and dividing fractions and whole numbers. Students will solve problems using basic numerical and algebraic expressions. Geometry includes lines, angles, polygons, and polyhedrons. Customary and metric measurements will be used to solve problems. Students will organize and present mathematical data using line graphs, scatterplots, bar graphs, and other visual aids. The course concludes with the application of math skills in the study of financial concepts.

5th Science *P*

GRADE 5 Science S1 | S2 | YEAR

The study of science in 5th Grade includes conducting descriptive and experimental investigations using scientific methods, analyzing data, and making models. Students use tools such as beakers, magnets, and spring scales to collect, analyze, and record information. In this integrated science course, students classify matter by its physical properties; describe the forms of energy and its cycles; investigate how forces cause change; diagram changes to Earth's surface; compare Earth's renewable and nonrenewable resources; understand the structures of living organisms and how they interact with each other and the environment; and recognize patterns in the Sun, Earth, Moon system.

5th Social Studies *P*

GRADE 5 Social Studies S1 | S2 | YEAR

The 5th Grade Social Studies students will engage in a broad survey of U.S. history. Beginning with the discovery of the Western Hemisphere during the Age of Discovery, students will follow the transformation of the United States from a wilderness in the 17th century to a world power during the 20th century. Students will examine founding documents and analyze how government, political parties, and the free enterprise system have shaped the development of the United States. Geographical skills will be tested as students memorize the location of all 50 states and the names of their capitals. In addition, students will examine their rights and duties as citizens and analyze the impact of technology and culture on the lives of Americans.

Grade 6

6th Health *P*

GRADE 6 Electives FLEX

In 6th grade Health, students are encouraged to continue good health practices learned at home. These practices include hygiene, nutrition, medical and dental care, and personal health choices. Coverage is given to sorting through information to make choices among health products. Attention is given to navigating social pressures, puberty, and reproductive processes. Students are given the opportunity to refine their critical thinking skills by evaluating the consequences of their decisions and actions. They are guided to understand that their decisions have consequences not only to themselves, their friends and families, but also to the community at large. By learning to find and evaluate health materials and understand the consequences of their actions, students are being equipped to make good choices and ensure good health throughout their lives.

6th Language Arts (2nd Edition) *P*

GRADE 6 Language Arts S1 | S2 | YEAR

This course provides an overview in reading/comprehension of various genres including fiction and non-fiction. Students read the novel Hatchet by Gary Paulsen and analyze the main character's development. Various activities emphasize informative and fiction writing, including planning, research, use of organizers, drafting, revision, and editing. Instruction also includes grammar basics and mechanics such as combining sentences and using correct punctuation. Analytical exercises consist of comparing genres, evaluating media, and identifying and using persuasion. Additionally, students practice necessary life skills such as communication and presentation, reflecting on the importance of collaboration in teamwork

Grade 6 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 6 (continued)

6th Mathematics (2nd Edition) *P*

GRADE 6 Mathematics S1 | S2 | YEAR

Sixth grade math has a primary focus in the area of numbers and their operations, proportionally, expressions and equations, geometry, measurements, and statistics. Students are exposed to concepts, including fractions, decimal operations, and ratios. They learn and practice the geometric principles of area and volume. In algebra, students learn to balance equations, solve inequalities, and perform functions. Students are also taught and given the opportunity to practice statistical representations and interpretation of data. Further topics on financial literacy are also covered in this course.

6th Science (2nd Edition) *P*

GRADE 6 Science S1 | S2 | YEAR

6th Grade Science is an integrated course surveying essential concepts in physics, geology, chemistry, astronomy, and biology. Students will investigate elements and compounds while learning the basics of chemistry. Students will examine different forms of energy and the laws of motion. An investigation of the structure of the earth will precede a study of the characteristics and properties of rocks, minerals, and fossils. A study of astronomy, including galaxies, stars, and the solar system will provide a context in which students will consider the history and future of space exploration. The course concludes with an inquiry into cells, classification, and ecology. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

6th Social Studies *P*

GRADE 6 Social Studies S1 | S2 | YEAR

The World Cultures course seeks to expand the knowledge of students beyond their local community to appreciate the diversity of the world at large. The course begins with a survey of ancient civilizations and the development of the Middle East's three major religions. In unit 2, students will study the classical foundations of Western civilization and survey European nations. Unit 3 surveys American history, culture, and the role of citizens. The remainder of the course takes students on a whirlwind tour of dozens of many nations around the world, exploring the history, geography, governmental systems, customs, and cuisine of each.

Grade 7

7th Language Arts (2nd Edition) *P*

GRADE 7 Language Arts S1 | S2 | YEAR

In this course, students will learn and apply new skills in reading, writing, and oral communication. Students will consider the importance of establishing a purpose in reading and identifying themes. Reading assignments include short stories, myths, legends, true stories, and expository texts. Students will read and critique the historical novel Chasing Lincoln's Killer. Students will plan, draft, revise, proofread, edit, and publish a fictional narrative and an expository essay. Students will research reliable sources in order to create a research essay and accompanying multimedia presentation. Exploring the poetic devices of sensory and figurative language, students will create a poem of their own. Students will develop oral communication skills by preparing and presenting persuasive and instructional speeches. The course finishes with an investigation of communication in teamwork and collaboration.

7th Mathematics (2nd Edition) *P*

GRADE 7 Mathematics S1 | S2 | YEAR

This course reviews many concepts of mathematics, and it introduces new concepts of graphing and financial information. Students work with sets and subsets, rational and irrational numbers, and exponents. Other topics include order of operations, additive inverses, and a thorough treatment of decimals. Algebraic concepts include ratios, rates, proportions, equations, and inequalities. Geometry concepts include triangles, circles, and circumferences. Students are taught graphing concepts such as plotting in different forms. Probability is covered, as well as financial topics, including interest, taxes, and budgeting.

7th Science *P*

GRADE 7 Science S1 | S2 | YEAR

The 7th Grade Science course will deepen students' understanding of life science. The course begins with the basic building blocks of life—cells. A unit on genetics will challenge students to investigate how DNA, genes, and proteins affect reproduction. Students will learn about different life processes and the importance of water, nitrogen, and carbon cycles. Students will analyze the effect of climate and weather on life and the environment. An investigation into human body systems, including the skeletal, respiratory, and immune systems, precedes the concluding unit on ecology where students will learn how living things interact with their environments. Throughout the course, there are lab investigations to reinforce science concepts and skills.

Grade 7 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 7 (continued)

7th Social Studies *P*

GRADE 7 Social Studies S1 | S2 | YEAR

This course introduces students to basic geography of the continents, including boundaries, rivers, and landforms. Students are introduced to the early history of people groups, including civilizations in Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. The languages, art, literature, societies, and way of life of these cultures are covered. The rise and fall of world kingdoms is discussed, ending with the fall of Rome in 476. Further studies into subsequent civilizations include the Byzantine Empire, rise of nations, and events in the world through the Renaissance and Reformation. Information is presented concerning the rise of many different world cultures.

Grade 8

8th Language Arts (2nd Edition) *P*

GRADE 8 Language Arts S1 | S2 | YEAR

This course will expand students' reading horizons and communication skills. Investigating narrative, epic, lyric, and free verse poetry, students will develop an appreciation for the sound, structure, and language of poetry. Students will better understand the elements of literature after reading O. Henry's "A Retrieved Reformation," Agatha Christie's Murder on the Orient Express, and William Gibson's The Miracle Worker. Writing projects include creating a personal narrative, a procedural text, and a multimedia research presentation. Students will examine various forms of media and learn to distinguish bias when evaluating a persuasive text. Presenting a persuasive speech, participating in a debate, and practicing formal and informal speaking and listening will enhance students' communication skills.

8th Mathematics (2nd Edition) *P*

GRADE 8 Mathematics S1 | S2 | YEAR

This course emphasizes the application of mathematics to real-life scenarios, helping the student to build skills in problem solving. Its topics include expressions, equations, relationships, proportions, geometric shapes, measurements, and the use of information. Emphasis is given to the interpretation and creation of graphs and charts that express, describe, and apply data. Students are also given instruction in finance, especially in the area of personal financial literacy. This course ensures that students have mastered the basic skills needed to enter high school mathematics courses.

8th Science (2nd Edition) *P*

GRADE 8 Science S1 | S2 | YEAR

8th Grade Science will challenge students with an integrated study of earth, physical, and biological sciences. Students will analyze the relationship between the Earth, Sun, and Moon. Students will better understand the changing earth as they survey physical processes, such as erosion and weathering, and the characteristics of rocks and minerals. A unit on oceanography will introduce students to the geological, chemical, and biological aspects of the ocean. Students will consider the fundamentals of matter and energy along with the application of energy, force, and motion in physics. Units on plant and animal biology will introduce students to the importance of habitats and earth cycles in sustaining life. The course concludes with a look at the human impact on the earth. Throughout the course, there are lab investigations to reinforce science concepts and skills.

8th Social Studies *P*

GRADE 8 Social Studies S1 | S2 | YEAR

This course employs an integrative approach to the teaching of U.S. history with an emphasis on geography, government, economics, culture, science, and technology. Students will learn how early explorations and development of the first colonies led to the union of 13 states as one nation. Students will examine and analyze important founding documents including the Declaration of Independence and the U.S. Constitution. A survey of the events will reveal how Americans embraced the idea of Manifest Destiny and expanded the nation across North America. Students will follow and analyze the complex issues leading up to the American Civil War. The course concludes with a look at post-war issues.

Middle School | High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 6, 7, 8

Middle School Art *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

The study of Middle School Art integrates visual literacy skills using critical thinking, imagination, and the senses to explore the world through the use of elements of art and principles of design. The student explores ideas from life experiences about self, peers, family, and community and uses the imagination to integrate them into original works of art. Creative expression is emphasized throughout the course as numerous works of art will be created using several art mediums such as drawings, paintings, prints, sculptures, modeled forms, fiber works, mixed media, installation work, digital art, and photography. Historical and cultural relevance in art is explored while analyzing styles, historical periods, and a variety of cultures. The course explores critical evaluation and response to the artworks of the student and others. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

Middle School Investigating Careers *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

Middle School Music *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

Taking a more classical approach, the study of music in middle school teaches students the instruments of the orchestra and the classical voice ranges with exemplary performance examples. Students will also learn how to notate musical scores, sight-read using solfège and Curwen hand signs, and critically compare art music performances. Students enrolled in the middle school music course will understand the difference between a genre and a style and the parts of sonata form. The middle school music course also introduces a more expansive world view of music with entertaining and interactive tools for learning.

Middle School Theater *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In Middle School Theater, students incorporate the study of theater, dialog, music, and dance to offer unique experiences that help students explore realities, relationships, and ideas. The foundations of theater include inquiry and understanding, creative expression, historical and cultural relevance, and critical evaluation and response. Through these foundations, students develop a perception of self, human relationships, and the world using elements of drama and conventions of theater. Through projects and exercises, students communicate in a dramatic form, engage in artistic thinking, build positive self-concepts, relate interpersonally, and integrate knowledge with other content areas in a relevant manner. Through the study of historical and cultural relevance, students increase their understanding of heritage and traditions in theater and the diversity of world cultures as expressed in theater. Through critical evaluation and response, students develop the ability to appreciate and evaluate live theater.

Grades 9, 10, 11, 12

Accounting I *P*

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

In the Accounting I for high school, students will learn a basic overview of the different functions in accounting. This includes rules for financial reporting and the parts of the balance sheet, income statement, and statement of stockholders' equity and retained earnings. Students will then be guided through the accounting cycle, learning how to create these documents and utilize them within a corporation. Students will journalize payments and invoices in accounts payable and accounts receivable, understand the different methods of inventory, and calculate payroll and taxes. Students will complete the course with the Accountant Simulation Project, an assignment where they will fulfill all steps of the accounting cycle without guidance and then present a completed cycle with notes for future opportunities for their simulated corporations.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Advertising *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

The Advertising course teaches the principles and practices of advertising as an integral part of marketing communication. The course begins with a look at the professional opportunities available in the advertising field. Students are asked to consider environmental, ethical, and other professional responsibilities. They learn about the marketing research process and the components of advertising using the PESO model. Students apply demographics, segmentation, and the four major sales channels to define target markets and make a sales presentation. In the final Module, students use the knowledge gained about the product cycle to complete a final project simulating a promotional campaign for a new product.

Anatomy and Physiology *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Anatomy and Physiology introduces students to the structures and functions of the amazing body. Students learn about different organ systems and how they work together to maintain life. Some of these organ systems include the circulatory, digestive, integumentary reproductive, and respiratory systems. Students examine different diseases that affect these systems and the treatments (both traditional and new) used to fight these diseases. The development and effects of aging on the different organ systems are explored throughout Anatomy and Physiology.

Art History *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Art History will help students develop skills to recognize and appreciate the diversity of art. The course begins with prehistoric and ancient art before introducing students to the classical art of the Greeks and Romans. Students will survey medieval art before exploring the glory days of art and architecture, the Renaissance. The use of light and shadow to evoke emotion during the Baroque period will impress students as will the whimsical style of the Rococo period. Students will contrast the Neoclassical return to idealized subjects with the Romantic era's imagination. Appreciation of art will grow as students study Impressionist and Post-Impressionist artists such as Monet and Van Gogh. The course concludes with students tracing modern art movements, including expressionism, minimalism, as well as conceptual art and artists, including Rodin, Picasso, Mondrian, and O'Keeffe.

Audio Video Production 1 *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

"Audio/Video Production I explores foundational principles in both audio design and video production. This course is broken down into four primary sections: preproduction, principal photography, post-production,and career preparation/portfolio development. Each section focuses on the primary elements found in each phase of production. Preproduction explores topics such as script and storyboard development, production documents, and production planning. Principal photography analyzes key crew roles associated with audio and video production, like the director, sound designer, producer, and actors, as well as shooting techniques, camera gear, and on-set safety. Post-production delves into topics such as video editing, copyright laws, and sound mixing and design. The course concludes by having the student create an audio/video portfolio, résumé, and cover letter to prepare for entry into college and the professional world."

Bible Literacy New Testament *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

"The New Testament (NT) course will equip students with a basic literacy of the NT scriptures. To begin,students will explore the history and characteristics of the NT, survey each book, and recognize the centrality of Jesus of Nazareth. An inquiry into the Christian era will inform students of the NT impact on children, slavery, women, marriage, and education. Students will investigate the profound influence of the NT on politics, limited government, and the concept of justice as seen in important American events including the American Revolution and the U.S. Constitution. Students will understand the effect of the NT on literature after reading selections from Great Expectations, Uncle Tom's Cabin, and other literature. The course will conclude with an examination of artwork related to NT events including the life, death, and resurrection of Jesus Christ."

Bible Literacy Old Testament *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

"The Old Testament (OT) course will equip students with a basic literacy of the Hebrew scriptures. The course will begin with an examination of the major divisions, authorship, and translations of the OT before surveying each individual book. The second Unit will examine the impact of the OT on worldview, society and morals, family, human fallibility, modern science, and the value of human life. Students will recognize the impact of Hebrew scriptures on important events and historical documents including the Reformation, the Magna Carta, and the U.S. Constitution. Next, students will probe the influence of the OT on language, culture, and literature, including idioms, Shakespeare's Macbeth, Handel's Messiah, Milton's epic poem Paradise Lost, and spirituals. The course will conclude by introducing students to the influence of the OT on artworks, including "The Creation of Adam by Michelangelo."

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Business Management P ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Business Management is an integral part of the Business, Marketing, and Finance Career and Technical Education clusters. Students will examine evolving views of management with an emphasis on leadership. Next, students will consider ethical case studies and analyze the strengths and weaknesses of various organizational structures. In units 4 through 6, students will analyze the decision-making process as it applies to management issues, such as quality control and improving communication. Beginning with unit 7, students will investigate employee compensation and legal matters concerning hiring and firing. The course concludes with a presentation of practical tools to build one's personal habits and to nurture team building.

Career Preparation 1 *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Career Prep, students are given tools to be successful in future careers. The career clusters and their associated career paths are the focus of the course. Students will learn how to survey the job market, fill out paperwork, and thrive in the workplace. Students will create an electronic portfolio throughout the course. The portfolio includes letters of interest to employers, resumés and cover letters, interview preparation documents, a career plan, as well as other reports. The course is designed for students who are currently working and can leverage real-life experience into their course projects.

Commercial Photography 1 *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Commercial Photography I develops students' skills in the areas of digital photography, professional communication, and design. Commercial Photography is about more than simply taking a photo. It involves marketing, teamwork, management, design, and much more. Students learn concepts such as how to work with clients, edit images, pose portraits, style scenes, use a camera in manual mode, use the principles of design, prepare for their career, and create images with purpose. Real world projects and a broad scope of the career give students insight to what it is like to work in the creative production industry. Students leave Commercial Photography I with a wealth of knowledge and an industry-ready portfolio

Commercial Photography 2 *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Commercial Photography II advances students' skills in the areas of digital photography, professional communication, and design. In Commercial Photography I, students learned introductory concepts such as lighting, posing, retouching images, working with clients, styling, and shooting with a camera in manual mode. In Commercial Photography II, several of those concepts are discussed more in depth. Additionally, students are introduced to new concepts such as leadership, business ownership, conceptualization, architectural photography, stock photography, inspiration, and more. Through real world projects and a broad overview of different career paths in photography, students gain insight into what working in the creative production industry requires. The projects help students set goals and plan for their own future. Commercial Photography II students are encouraged to explore and take photos as often as possible. Students leave Commercial Photography II with a wealth of knowledge and an industry-ready portfolio.

Counseling and Mental Health *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

(Full Year Course) This course is a Career and Technical Education course for use in the Health Science or Human Services career pathways. The course covers general topics for personal and professional development (soft skills), such as time management, critical thinking, and problem-solving, communication, team building, ethics, and character. It also focuses on many mental health topics, including the history of mental health care, modern mental health care systems, the nervous system, mental health across life stages, stress, depression, and other mental disorders. Students research the professional development of workers in the mental health field, such as the scope of practice, ways to recognize abuse, and methods for adapting to change. Student and professional organizations for career development are discussed as well. The course ends with activities exploring careers and researching training opportunities.

Digital Design and Media Production *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Digital Design and Media Production is designed to provide students with a comprehensive introduction to the principles and practices of graphic design, video production, and social media marketing. The course covers various topics, including audience identification, graphic design elements and principles, advertising and marketing, videography, and social media. Students will learn the importance of planning and research in communication as well as fair use and copyright laws. They will also develop skills in logo design, videography, and social media marketing while producing a 60-second news package and an ad plan tailored to their target audience. Students will critically analyze the growth of social media and explore the impact of the internet on the advertising and marketing world. Through a combination of lessons, hands-on activities, and projects, students will gain valuable media production experience in an increasingly digital world.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

English High School Readiness Assessment *P* ◉

GRADE 9, 10, 11, 12 Electives FLEX

(Full Year Course) The English Diagnostic is designed for students who are entering the 9th Grade. The purpose of the Diagnostic is to assess if the student is ready for high school material as well as to provide remediation for areas as needed. The Diagnostic consists of several English language categories. In each category, there is a pretest, remediation, and post test. If students pass the pretest, they will immediately go on to the next category pretest. If students do not pass the pretest, they will complete remediation, and then complete a post test. If the post test is passed, they will go on to the next category of pretest.

Entrepreneurship *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Entrepreneurship course is designed to grow the student's passion for starting, growing, and excelling in business ventures. The student will explore the basics of starting a business, from brainstorming great concepts to execution and profitability. Entrepreneurship includes more than just starting businesses, but explores the ventures of product development, marketing, distribution, and sales. The student will expand his or her knowledge in the areas of proper product and service pricing, financial planning and growth, accounting and bookkeeping, fundraising, marketing research, and business law. The course asks the student to practice the knowledge and skills he or she has gained by developing and writing a business plan for their very own business venture. The student will gain a complete understanding of what it takes to make a business a success and possibly gain a desire to actually start a company from scratch.

Graphics Design and Illustration 1 *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR Printed Graphic Design and Illustration I is an introductory course that explores the elements, principles, and tools of the graphic design and illustration industries. Students begin the course by analyzing the various elements of design such as color, shape, and value and applying them to unique works of their own. Personal projects include product label design, logo design, figure drawing, designing type, and more. The course focuses on design tool basics such as software applications and computer hardware. The student will practice design skills directly on computer applications while exploring other key professional skills such as creating design proposals, typography, cyber security, printing, copyright laws, artist critiques, and other career tools. The course concludes by having students assemble a graphic design and illustration portfolio. Their portfolio can be used for art school applications, job placement, or general professional development.

Human Growth and Development *P* ◉

GRADE 9, 10, 11, 12 Electives, CTE S1 | S2 | YEAR Printed Human Growth and Development guides the student through the biological, physical, social, and emotional development of humans. The course is structured to explore growth and development at various life stages. The first Module analyzes stages of prenatal development, prenatal care and nutrition, and genetics. The course continues by exploring sequential human growth stages such as infants, early childhood, adolescence, and early, middle, and late adulthood. Each Module contains hands-on projects, equipping the student to dig deeper into topics such as psychosocial and emotional development while speaking directly to individuals in these various life stages. The course explores theories of development, societal and cultural influences, and concludes by analyzing growing career opportunities in human development.

Investigating Careers *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR Printed Materials A-G Approved (Full Year Course) In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

Lifetime Fitness and Wellness Pursuits *P*

GRADES 9, 10, 11, 12 Electives SEM

Lifetime Fitness and Wellness Pursuits guides the student through a variety of topics relating to physical activities and methods for pursuing a healthy lifestyle. This course is structured to provide both academic knowledge relating to fitness and participation in a variety of physical activities. Subjects studied include biomechanical principles, fitness and equipment safety, anaerobic and aerobic exercises, hydration best practices, social and emotional health, and more. Fitness projects focus on topics including power, speed, reaction time, cardiovascular health, teamwork, and warm up and cool down techniques. Finally, the student will develop both personal nutrition and fitness plans to be consistently utilized within daily life.

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Logic 1 *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

The Logic I course will improve the critical thinking skills of students through the study of informal logic. The course will challenge students to evaluate whether humans are rational or emotional beings. The majority of the course explores occurrences of faulty reasoning known as logical fallacies. Students will learn to recognize and expose fallacies when evaluating and critiquing arguments. Fallacies covered include appeal to fear, irrelevant thesis, straw man, false analogy, red herring, and misuse of statistics. Students will apply the study of types, components, and principles of argumentative dialogue in preparing a dialogue of their own. During the course, students will consider and analyze Aesop's Fables and "The Cave" by Plato. The course concludes with a comprehensive review of fallacies and a preview of formal logic.

Logic 2 *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

(Half Year Course) Logic II introduces the student to the world of Aristotelian formal logic. Students will use classical tools, including the Porphyrian tree and Euler's circles to translate arguments into propositions organized within the categorical form. Students will also learn to analyze the validity of arguments using the square of opposition, terminological rules, Venn diagrams, and the Barbara, Celarent, Darii, Ferio mnemonic. The course concludes with an evaluation of presuppositional disputes and a survey of hypothetical syllogisms.

Math High School Readiness Assessment *P* ◉

GRADE 9, 10, 11, 12 Electives FLEX

The Math Diagnostic is designed for students who are entering the 9th Grade. The purpose of the Diagnostic is to assess if the student is ready for high school material as well as to provide remediation for areas as needed. The Diagnostic consists of several math categories. In each category, there is a pretest, remediation, and post test. If students pass the pretest, they will immediately go on to the next category pretest. If students do not pass the pretest, they will complete the remediation coursework. Once remediation has been completed, students will take a post test. If the post test is passed, they will go on to the next category of pretest.

Medical Terminology *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Medical Terminology is a course for students with an interest in the medical field. This course provides students with knowledge of Latin and Greek roots, prefixes, and suffixes in addition to combining forms and eponymous terms related to the many systems of the human body. Students are also able to learn more about the many professions, specialists, and treatment plans associated with different areas of the body. This course introduces new ways of looking at the body through the lens of medical terms and their origins.

Money Matters *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Money Matters is a CTE course introducing students to basic financial concepts, institutions, and careers. Students will explore professional business practices before surveying financial industry careers. They will then investigate business types and the rights of consumers. A survey of banking is followed by an investigation of credit, loans, and identity theft. Students will examine economic concepts including unemployment, inflation, international business, and the role of the Federal Reserve System. Before exploring taxes and financial records, students will learn the importance of investing and analyze how different types of investments can contribute to a sound portfolio. The course concludes with a look at managing risk through the use of insurance products. Practical projects include reconciling a bank account, preparing a federal income tax Form 1040, and creating a budget.

Music Appreciation *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This course is designed to help the non-musician understand music basics, including such topics as reading a musical score, melody and harmony, rhythm, music history (styles by period), music theory, musical genres, instruments, orchestration, and arrangement. The course even covers the creation of musical scores using popular music arrangement software. Other topics include the science of musical sound, health and wellness for performers, classical symphony concerts, besides opera performances and etiquette when attending. The course strives to help non-musicians gain an understanding of the world of music and to become well-rounded individuals.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Principles of Business, Marketing, and Finance *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Principles of Business, Marketing, and Finance course will expand the student's knowledge in the many areas of business and free enterprise. The majority of the course takes a comprehensive look at business disciplines such as analyzing goods versus services, economics, financial management, principles of personal finance, marketing, the global economy, and government in business. The student will gain soft skills such as understanding business ethics, leadership, and the management of employees. The student will gain hard skills such as product management, finances, marketing campaigns, and sales. The course then takes a practical look at career opportunities in business and the professional skills needed to excel within the industry. The student will finish the course with a broad grasp on the principles of starting, operating, and managing a successful company.

Principles of Government and Public Administration *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Principles of Government and Public Administration (PGPA) introduces students to careers in public policy. PGPA explores government from the perspective of government and private-sector employees as well as elected officials. In this course, students examine different career avenues and their ethical and professional standards. PGPA introduces students to theories of governmental development alongside the constitutional principles underlying America's federal and unitary forms of government. Students learn about the public official's responsibility to protect citizens' rights to due process and discover how interest groups influence public policy. Students then analyze the effect of policymaking on both the culture and society of the nation and foreign policy. The course concludes with an investigation into the role of government in a free-market economy, including its ability to stimulate invention and innovation.

Principles of Health Science *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This CTE course is designed to help prepare students for a career in the health science field. It covers healthcare systems and the roles of team members within these institutions. The course has many opportunities for students to explore the various careers within the healthcare field. It emphasizes the personal and professional skills required to succeed in this arena, including personal character qualities, teamwork, and leadership. Coverage includes the science of healthcare, including measurement, SI system, anatomy and physiology, and safety practices. It covers topics of healthcare at various life stages, from birth to death. Laws and regulations, best practices, and professional ethics are discussed, as well. Because this course has a careers emphasis, other topics covered include career preparation, the role of student and professional organizations, and the state of the health-care career field

Principles of Human Services *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This course enables students to investigate careers in human services including counseling, mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand careers. Skills learned in this course includes: responsible decision-making, setting both short- and long-term goals, and knowing how to react to and handle high stress crisis situations.

Principles of Law, Public Safety, Corrections, & Security *P* ◉

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Principles of Law, Public Safety, Corrections, & Security explores the foundational elements of our legal system alongside the work of public servants and first responders. The course begins by taking a broad perspective on the origin of law and the U.S. Constitution. Constitutional rights of citizens are defined and applied to specific areas of public service. In the area of law, the student will analyze the role and importance of the court system, the responsibilities of lawyers, and general courtroom procedures. In the area of public safety, the student will explore the roles of first responders such as police, firefighters, and EMTs. In the area of corrections, the student will learn crime classification, the differences between prisons and jails, and the various levels and functions of criminal courts. The student will also understand the work of both public and private security, including private bodyguards protecting celebrities and security for major public events. By the end of the course, the student will know the careers related to public service and law, the ethical considerations of each, and the pathways required to gain these careers.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Principles of Education and Training *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Through an examination of the Principles of Education and Training, students will study the roles and responsibilities of teachers, administrators, and administrative support professionals. Students will analyze the characteristics, qualities, and traits of highly successful educators. Students will evaluate a variety of educational options available on their road to becoming professional educators. Students will also study the opportunities and paths possible when becoming corporate trainers or independent contractors, providing training services to a variety of clients. Throughout this course, students will have learned methods of classroom instruction and ways to develop Lesson plans. Students will use critical thinking skills to develop their own personal philosophy of education. Students will learn via the perspectives of students, teachers, and support professionals using real-life examples and situations to explore what it means to be an "educator for life." Students will end this course by developing a graduation plan that leads to their calling as professional educators.

Psychology (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Psychology course begins with a look at basic social science skills including ethical decision-making and statistical evaluation. After a brief survey of careers in psychology, the student will explore the physical processes of the brain and body systems that shape sense and perception. The student will then study theories of development, personality, and conditioning. Next, students will explore mental processes behind thinking and memory, language acquisition, motivation, and emotions. Students will investigate the levels of consciousness and disorders leading to abnormal behavior. The course concludes with an examination of the individual and social behavior. Students will learn about stress, attitude formation, conflict resolution, conformity and obedience, altruism, and morality.

Speech Communication *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Speech Communication seeks to improve the interpersonal and public communication skills of students. Surveying the communication process, students will learn the components and functions of communication, differentiate between oral and nonverbal communication, and comprehend the listening process. Developing familiarity with self and personal strengths and weaknesses, students will boost self-confidence as public speakers in situations such as speeches or interviews. The course will culminate with students applying their acquired communication skills in researching, preparing, and giving a speech.

Video Game Design *P* ◉

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

Video Game Design is a course designed to help students develop skills for planning, designing, and completing development of an original video game. These skills include outlining and writing a game story, storyboarding, level and objectives design, game mechanics, and character design. Students are also exposed to development skills, including use of pseudocode, decisions, algorithms, collisions, and other programming functions, as well as graphics, animation, and sound. The student will become familiar with the use of suitable game engines for creating their working video game. The course includes discussion to help the student understand the history of video games, as well as their genres. This includes discussions of game theory to help students understand audience expectations, control, and other aspects of game design. Students will be required to create an original video game and submit it for critique. In addition, students will be involved in playing and critiquing the games of other students, as well as critiquing existing video games. The student will be required to create and understand the purpose of a Game Design Document (GDD), an industry standard.

Virtual Business *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR)

The Virtual Business course guides students through the basics of starting, operating, and managing an online company. This course is designed for students interested in starting a virtual business by creating a web presence, conducting online and offline marketing, examining and creating business contracts for online business, and exploring project-management systems. The student will also explore bookkeeping processes, applicable legal company business structures, managing telecommuting employees, maintaining business records, as well as entrepreneurship. Virtual Business also guides the student through potential online career pathways by conducting various personality and career pathway assessments. The student will conclude the course by applying learned skills to create a company, including a business plan, branding the business, and creating a website using common website builder tools.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Web Communications *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Web Communications, students learn how to be good digital citizens. Rights, responsibilities, and digital communication tools are explored. Students learn how to search and choose valid internet sources for research while gaining a deeper understanding of new technologies. Students dive into the history of the Web and how it has changed over time. Topics such as internet safety, security, and cyberbullying are also analyzed. Using the knowledge gained in the course, students write a web-hosted blog post with HTML coding elements. The course ends with the fundamentals of web design and a project in which students create a simple webpage.

World Health Research *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

World Health Research introduces students to the various risk factors people face globally. The course shows how health outcomes in developed nations differ from those in developing nations. The course analyzes these trends, along with the origins of primary care. The course compares different organizations that identify and monitor global health threats. World Health Research allows students to explore specific research methods and design studies to understand world health problems and their impacts. The course also shows students the effects of infectious and chronic diseases across the globe, discussing emerging medical technologies and the response of the healthcare system. This course concludes with an analysis of ethical concerns regarding global health, the importance of clinical trials, and ways to enact global change.

U.S. Citizenship Preparation

GRADE 9, 10, 11, 12 Electives FLEX

This course is designed to help prepare immigrants to be successful when completing the naturalization process. It includes steps to becoming a U.S. citizen, how to apply online, and what to expect during the naturalization interview. Students will learn key words and grammar needed to understand the interview questions. Students will also learn about: the U.S. system of government, rights and responsibilities, American history, U.S. geography, and symbols and holidays.

English 1 (3rd Edition) *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English I launches a four-year journey during which students will confidently master grammar, develop advanced communication skills, and learn to analyze and appreciate challenging literature. The course begins with grammar fundamentals including sentence structure, parts of speech, and phrases and clauses. Students' vocabulary will expand through a study of technology, literary terms, and words with multiple meanings. Culturally diverse texts will emphasize literary elements and techniques while an overview of short and long prose will delve into excerpts from The Odyssey. Reading Animal Farm and Romeo and Juliet will expand the students' literary world. Writing skills will advance as students learn and apply the steps for creating a research paper. The course includes coverage of effective speaking and listening.

English 2 (3rd Edition) *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English II begins with a major focus on grammar to help students become stronger writers. Students then analyze literary genre elements in various excerpts of classical stories. A major focus is the Greek drama, Antigone, by Sophocles. The novel, To Kill a Mockingbird, by Harper Lee is required with this course to study for analysis, as well. Students compare informational texts and have various writing projects. For example, they write an analytical essay on a short story and a persuasive essay that they also present as a speech. Their research paper is about a topic they choose on the Civil Rights Movement in which they construct a multi-media presentation to accompany it. Additionally, this course includes work-related documents with students constructing their own resumés and letters.

English 3 (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English III, students focus on the development of American Literature and compare it with ideas and forms of literature around the world. Students review the basics of the language arts, then scaffold with practices of increasing complexity to meet the required grade-level objectives of analytical thinking. Engaging in a step-by-step process, students learn to write complex analyses and argumentative papers. Students also learn principles in research, teamwork, discussion, and presentation skills. The text that should accompany the course is the musical, Fiddler on the Roof, by Joseph Stein. This play highlights literary devices as well as the ideas of immigration and cultural assimilation with supporting literature. Additionally, students explore college and career planning as well as tips for dealing with information in technology today.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

English 4 (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English IV emphasizes the interpretation of various types of literature from different time periods. The genres covered include fiction, drama, and poetry. The dramatic play Cyrano de Bergerac is read and studied for its use of language to convey dilemmas and themes. Poetry studies include a survey of British poetry as well as ancient and modern poetry from various cultures and in various periods. Students are also given a wide range of writing assignments. For example, students produce a fiction story and a script. They also write essays evaluating literary elements. The course also includes research and writing arguments with logic. These various writing assignments help prepare students for end-of-course and SAT essay writing. Coverage is also given to analyzing and evaluating media and speeches, as well as using presentation and discussion skills.

Literary Genres *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

Literary Genres is a senior-level course in which students will explore and analyze a variety of literature. A grammar review precedes a study of rhetorical and literary devices, as well as a brief survey of the major literary forms. Students will read a variety of fictional selections and stories including The Canterbury Tales, various mythologies, Beowulf, Hansel and Gretel, Dracula, and Edgar Allan Poe's "The Masque of the Red Death." Students will better understand drama after reading excerpts from William Shakespeare's plays and will contemplate timeless poems by Robert Frost, Emily Dickinson, Walt Whitman, Lord Byron, and other poets. Comparing and contrasting speeches by Barack Obama and Ronald Reagan will assist students in analyzing persuasive texts. The course concludes with a look at perspective in nonfiction texts, such as diaries and autobiographies.

Algebra 1 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra I is a common starting point for high school math studies. A review of fundamental math skills in unit 1 will ensure students are ready for algebraic concepts. Students' math competence will grow as they learn to solve expressions, functions, and equations by using formulas, ratios, proportions, percentages, and rates. Other concepts include exponents and scientific notation, polynomials and trinomials, multi-step inequalities, slope formulas, and systems of equations and inequalities. Students will solve quadratic functions through various methods including graphing, factoring, square roots, completing the square, and the quadratic equation. Using tables and graphs, students will analyze and organize data and statistics. Students will learn to work and solve exponential, radical, and rational functions and equations. The final unit ties algebraic concepts to the study of geometry.

Algebra 2 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR Printed Materials A-G Approved (Full Year Course) Algebra II will consolidate and build on students' knowledge acquired in Algebra I. After a review of Algebra I concepts, students will take an in-depth look at linear equations, inequalities, and functions. Students will be introduced to matrices, apply Cramer's Rule in solving linear systems, and solve graphs and equations of conic sections. Using graphs, factoring, and the quadratic formula, students will solve quadratic equations, inequalities, and functions. Students will investigate how to graph, factor, invert and solve polynomials, as well as solve rational expressions, radical expressions, fractional exponents, and rational inequalities. Students will examine the properties, transformations, and applications of exponential and logarithmic functions. Applying probability and data analysis, students will determine probability and model data. The final unit will present trigonometric concepts to prepare students advancing to trigonometry.

Geometry *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course, dealing primarily with two-dimensional Euclidean geometry and solid geometry, promotes the development of logical reasoning skills and is useful in many life situations. Beginning with the fundamental concepts of line segments and angles, students will progress to conditional statements, geometric and algebraic proofs, and line relationships. In studying polygons, students will learn the properties of triangles, quadrilaterals, and circles along with geometrical concepts including the Pythagorean Theorem and the relationship of pi (π) to circumference and area in a circle. In the study of solid geometry, students will learn how to determine area and volume for prisms, cylinders, pyramids, cones, and spheres. Students will apply learned geometric skills in working with ratios, similarities, transformations, and symmetry before concluding the course with an inquiry into the fundamentals of trigonometry.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Integrated Math 1 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

A review of fundamental math skills in unit 1 will ensure students are ready for algebraic concepts. Students' math competence will grow as they learn to solve expressions, functions, and equations by using formulas, ratios, proportions, percentages, and rates. Other concepts include exponents and scientific notation, polynomials and trinomials, multi-step inequalities, slope formulas, and systems of equations and inequalities. Students will solve quadratic functions through various methods including graphing, factoring, square roots, completing the square, and the quadratic equation. Using tables and graphs, students will analyze and organize data and statistics. Students will learn to work and solve exponential, radical, and rational functions and equations. The final unit ties algebraic concepts to the study of geometry.

Integrated Math 2 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course, dealing primarily with two-dimensional Euclidean geometry and solid geometry, promotes the development of logical reasoning skills and is useful in many life situations. Beginning with the fundamental concepts of line segments and angles, students will progress to conditional statements, geometric and algebraic proofs, and line relationships. In studying polygons, students will learn the properties of triangles, quadrilaterals, and circles along with geometrical concepts including the Pythagorean Theorem and the relationship of pi (π) to circumference and area in a circle. In the study of solid geometry, students will learn how to determine area and volume for prisms, cylinders, pyramids, cones, and spheres. Students will apply learned geometric skills in working with ratios, similarities, transformations, and symmetry before concluding the course with an inquiry into the fundamentals of trigonometry.

Integrated Math 3 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

After a review of Algebra I concepts, students will take an in-depth look at linear equations, inequalities, and functions. Students will be introduced to matrices, apply Cramer's Rule in solving linear systems, and solve graphs and equations of conic sections. Using graphs, factoring, and the quadratic formula, students will solve quadratic equations, inequalities, and functions. Students will investigate how to graph, factor, invert and solve polynomials, as well as solve rational expressions, radical expressions, fractional exponents, and rational inequalities. Students will examine the properties, transformations, and applications of exponential and logarithmic functions. Applying probability and data analysis, students will determine probability and model data. The final unit will present trigonometric concepts to prepare students advancing to trigonometry.

Math Models *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The Math Models course applies mathematical concepts to real-life situations. The course begins with a review of basic math concepts before presenting an overview of geometry, probability and statistics, and problem-solving. Students will learn to conduct and analyze research by collecting and describing data using graphs and models that find application in disciplines as diverse as science, trigonometry, art, architecture, and music. Students will employ theoretical, empirical, and binomial probability to predict the likelihood of outcomes. Using math models, students will better understand personal finance issues including compensation, budgeting, taxes, bank accounts, and compound interest. Applying math models to analyze the pros and cons of credit cards, renting or purchasing a home, leasing or purchasing a vehicle, and investments and insurance will enable students to be smarter consumers.

Personal Finance *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The Personal Finance course introduces students to strategies and practices that empower them to manage their money wisely. Students first perform a self-analysis to discover their money personality. A study of good consumer habits includes a comparison of renting and buying. Students learn the steps to building wealth, including building an emergency fund, evaluating and embracing risk when investing, and using credit sparingly and wisely. A survey of consumer rights accompanies the steps recommended to protect one's personal information. Students survey types of insurance and evaluate the role of each in limiting personal financial risk. The course concludes with an entire Unit dedicated to evaluating higher education opportunities, costs, and funding.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ◆ **Text-to-Speech toolbar**

Grades 9, 10, 11, 12 (continued)

PreCalculus *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Precalculus explores a wide variety of mathematical concepts with the goal of preparing students for calculus or other college-level math courses. A review of number properties, factoring, the quadratic formula, and the Cartesian coordinate system will prepare students for advanced math concepts. Students will use graphing calculators to plot graphs and solve equations. Students will learn to solve a variety of problems including parent functions, transformations, even and odd functions, domain and range, operations, linear functions, regression, correlation, quadratic functions, polynomials, asymptotes, and exponential, logistic, and logarithmic functions. Trigonometric studies include angle measurement, arc length, functions, reciprocal and quotient identities, Pythagorean identities, sines, and cosines. Sequences and series precede inquiries into the characteristics and applications of conic sections and vectors. The course concludes with an investigation into parametric equations and polar equations.

Aquatic Science *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In Aquatic Science students will test, predict, and learn about water and things pertaining to water. The first unit will guide students to think of water as a system. Learning the chemistry and physics of water, students will complete a course project by applying scientific methods to collect and analyze data on a local body of water. A survey of the physical properties of the ocean, including their formation and composition, will precede an inquiry into how the atmosphere and sun interact with the hydrosphere to create weather. Students will examine the elements and properties of aquatic ecosystems, including aquatic biology and marine and freshwater ecosystems. In the final unit, students will consider the relationship between humans and water, including challenges such as population growth competing for resources with agriculture and industry.

Astronomy *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Beginning with a look at astronomy's history, students will recognize the contributions of Ptolemy, Copernicus, Galileo, and Newton to our understanding of the universe. The second unit investigates telescopes and detectors such as radio receivers. An examination of the characteristics and processes of the Sun will be followed by a look at the terrestrial planets: Mercury, Venus, and Mars. After studying the Earth-Moon system, students will explore facts about the minor planets, Jupiter, Saturn, and the outer planets. Moving beyond the solar system, students will learn the characteristics of stars, galaxies, and deep space objects. Students will better appreciate the night sky after learning the constellations and will ponder the origin and fate of the universe with an inquiry into impermanence, special and general relativity, and cosmology.

Biology *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR Printed Materials A-G Approved(Full Year Course)

In Biology, students will develop an appreciation for the living world. A brief history of biology followed by an investigation of the basic unit of life—the cell—will prepare students for deeper research. Students will explore topics concerning genetics, including meiosis, heredity, and DNA. Students will consider natural selection, the origin of life theories, and the mechanics of evolution. An exploration of "little critters" such as bacteria precedes a study of plant structures, processes, and reproduction. Students will inquire into animal behavior and characteristics as they study invertebrates, amphibians, reptiles, birds, and mammals, among others. An inspection of nutrition and disease will lead students to examine human body systems. The course will conclude with an analysis of the interdependence of living things in ecosystems.

Chemistry *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

A foundational branch of physical science, the principles, and laws of chemistry find many applications in business, technology, health care, and other fields outside traditional scientific areas. Beginning with a look at measurements, calculations, data analysis, and the scientific method, students will investigate the properties of elements, compounds, and mixtures. A survey of the history of theories of atomic structure will lead students to Mendeléev's periodic table and an inspection of the periodic law. Next, students will apply atomic theory in the study of molecular and chemical bonding interactions through chemical formulas, reactions, and stoichiometry. Students' knowledge will expand as they learn about the states of matter, gas laws, solutions, acids and bases, thermochemistry and reaction kinetics, and oxidation-reduction reactions. The course concludes with inquiries into organic chemistry, biochemistry, and nuclear chemistry. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Earth Science (Environmental Systems) *P* ◉

GRADE9, 10, 11, 12 Science S1 | S2 | YEAR

In Environmental Systems, students will learn about different Earth systems, how they interact with each other, and how humans impact these systems. Students will look at the scientific bases for land, water, atmosphere, and biosphere systems; discuss several environmental problems; analyze possible solutions; delve into laws already in existence; and discuss any possible future laws. Critical thinking will be required, as well as the ability to argue points from both sides of an issue. Throughout the course, there will be lab investigations, including video labs, to reinforce scientific concepts and skills.

United States History *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

U.S. History Since 1877 details the American story from Reconstruction to the present day. Beginning with western expansion, students will analyze the impact of events including the rise of cities and capitalism, the Alaska Purchase, and the Spanish-American War. Students will understand how technological advances including the assembly line and harnessing electricity, as well as the Progressive agenda of societal reform, influenced American prosperity. Students will consider America's rise to a world power during World War I before probing events leading up to World War II, including the Great Depression. Students will examine the momentous war and its consequences, including the Cold War and the Korean War, and investigate later 20th-century events, including the Reagan era and the Persian Gulf War. The course concludes with a look at recent events, including the War on Terrorists.

Economics (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

The Economics course begins with a survey of the basic principles concerning production, consumption, and distribution of goods and services within the free enterprise system. Students will examine the rights and responsibilities of consumers and businesses, analyze the interaction of supply, demand, and price, and study the role of financial institutions. Types of business ownership, market structures, and basic concepts of consumer economics will be surveyed. The impact of a variety of factors including geography, government intervention, economic philosophies, historic documents, societal values, scientific discoveries and technological innovations on the national economy, and economic policy will be an integral part of the course. Students will apply critical- thinking skills to create economic models and to evaluate economic activity patterns. Students will also examine the knowledge and skills necessary as self-supporting adults to make critical decisions relating to personal financial matters such as seeking college financial aid, using credit wisely, and balancing financial accounts.

Physical Science (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In IPC, students will learn many fascinating chemistry and physics concepts. Students have a brief introduction to the scientific method, lab safety, and the metric system. The study of chemistry begins with the atomic theory and the Periodic Table, applying theory to develop chemical formulas and balance equations. The course includes investigations into acids and bases, gas laws, and nuclear chemistry. Students explore Newton's laws of motion and other physics concepts including mass, force, motion, velocity, acceleration, gravity, and energy. A study of electricity and magnetism, simple machines, the laws of thermodynamics, and energy waves rounds out the physics portion of the course. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Physics *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In this course, students will learn physics concepts, including matter and energy, motion and force, speed, velocity, and acceleration in order to better understand how the universe behaves. A survey of the historical development of physics as a foundational branch of science will lead to recognition of the contributions of Newton, Einstein, Planck, and others. Students will apply physics concepts as they study gravity and acceleration, momentum, motion, and energy. The concepts of work and power will become evident as students learn how machines use torque and force to accomplish work. Students will recognize the roles of each fundamental force and will investigate electrostatics, thermodynamics, waveforms, particles, and quantum physics. Following an examination of the nucleus, radioactivity, fission, and fusion, the course concludes with the theories of special and general relativity. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

United States Government (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR)

U.S. Government commences its examination of American democracy with a general overview of the purpose, types, origin, and formation of governments. Students will explore how colonial self-rule, English law, and weaknesses in the Articles of Confederation influenced the formation of the U.S. Constitution. Students will investigate the principles of the Constitution and the federal system. The purpose, powers, and relationships among the American institutions of self-government—Congress, Presidency, and the Judiciary—will be examined as well as federal, state, and local governments. Students will become aware of their civic responsibility to vote and participate in the governmental process as they gain understanding of the functions and organization of political parties, the evolution of the two-party system, and the influence of public opinion and political ideology on government decisions.

World Geography (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In World Geography, students will learn the six essentials of geography: spatial terms, places and regions, physical systems, human systems, environment and society, and uses of geography. After a broad survey of Earth's structure, hydrosphere, and climates, the focus of each unit narrows to a particular region of the world. By examining the physical geography of each region, including water resources, climate, vegetation, and natural resources, students will understand the influence of geography on economic activities, human culture, and history. In addition, students will investigate the impact of human activity on the environment, including pollution and development, and consider the implications.

World History *P* ◉

World History is a survey of the development of civilizations from prehistoric times to the present. The journey begins with ancient civilizations including Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. Students will analyze developments in Africa, Asia, and Europe during the Middle Ages, including the Crusades. Students will understand how the Renaissance and Reformation provided a springboard for the Age of Reason and the Scientific Revolution. An inquiry into events such as the American War of Independence and the French Revolution will prepare students to consider the great advances and social upheaval sparked by the Industrial Revolution. Students will probe the causes, events, and consequences of the two world wars and the rise and fall of Communism. The course concludes with a look at developments shaping current events.

B-Accommodated
Catalog

The **B-Accommodated** catalog courses offer the same features and content as their matched courses (by title) in the **B-Asynchronous** catalog. The B-Accommodated courses however contain **adjusted default settings** to meet some of the most common student accommodations, such as **shortened assessments, higher attempt limits, lower mastery threshold,** and **no time limits on assessments**. Allow print is also enabled for students to print lessons and assessments when needed. Item settings in these accommodated core courses include the ability for students to access a **text-to-speech toolbar, a highlighter tool, an answer eliminator tool, the option to print,** and the ability **to add question and lesson notes**. Most lesson assessments are computer-graded. Some essay questions and activities contain a submission box where students can type their responses or draw, insert images, record and insert video clips, and/or attach files, including Google Drive files.

Each lesson contains lesson objectives, vocabulary, learning text, and check-for-understanding questions. This instructional design allows students to practice the learning skill of searching for answers in context. The courses offered within this catalog include both online and optional printed materials. B-Accommodated is considered asynchronous like B-Asynchronous as the instructional design lends itself more to self-paced learning environments. The lessons and activities are designed to help students stay engaged using modern learning tools that allow students who may need course accommodations to work at their own pace. The courses in this catalog follow a consistent instructional design containing lessons, activities, quizzes, practice tests, unit tests, and final exams. There are also some discussion forums, projects, labs, and SEL (Social/Emotional Learning) content included. B-Accommodated courses are offered as Semesters 1 and 2, as well as Year-long with each semester containing 5 units of instruction.

Hidden Items (if applicable)
Teacher guide, Lab or project answer keys

Default Weights*

Lessons	10%	Assignments	10%
Quizzes	20%	Midterm	10%
Unit tests	35%	Final exam	15%
Practice tests	0%		

*Weights can easily be adjusted to teacher's preference

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 3

3rd Art *P*

GRADE 3 Electives FLEX

The study of art in 3rd Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

3rd Health *P*

GRADE 3 Electives FLEX

The 3rd Grade Health course builds on the knowledge and skills learned in the second grade. In this course, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, this course helps students learn personal/interpersonal skills needed to promote individual, family, and community health. Several projects help the student expand health thinking and practice skills learned in the course.

3rd Music *P*

GRADE 3 Electives FLEX

The study of music in 3rd Grade focuses on basic sight-reading skills, performing folk dances, and learning the history of folk music in America. Students will learn to play songs in 2/4 and 4/4 time signatures on the soprano recorder. Virtual games teach students to listen for changes in dynamics, count the number of beats, and recognize where measures start and end. By the end of the year, students will know how to read music and play the recorder. They will also know how to clog-dance and how to behave during a formal music concert. The goal of the 3rd Grade Music course is to learn musical performance, active listening skills, and mindfulness in a fun and relaxed environment.

3rd Language Arts *P*

GRADE 3 Language Arts S1 | S2 | YEAR

This course provides students instruction and practice in reading, comprehending, and analyzing various genres. Students will also learn skills to become stronger writers while creating texts for various purposes. Students will complete basic research tasks. In addition, students will learn spelling, grammar, and conventions to strengthen their writing. They will also learn and practice skills and strategies to build their vocabulary. Students will further their communication skills by listening, speaking, and working with peers. Students will also learn and utilize cursive writing.

3rd Mathematics *P*

GRADE 3 Mathematics S1 | S2 | YEAR

The primary focal areas in 3rd Grade Math are place value, operations of whole numbers, and understanding fractional units. Students will learn the purpose of rounding numbers and learn to identify values on a number line. Students will perform the operations of addition, subtraction, multiplication, and division. They will learn and practice multiplication through 10. They will also learn to model division in different ways, including grouping and using arrays. The mathematical strands of algebraic reasoning, geometry and measurement, and data analysis are presented and practiced. The use of tables, graphs, and charts is thoroughly explained, and concepts of financial literacy are also covered.

3rd Science *P*

GRADE 3 Science S1 | S2 | YEAR

The study of science in 3rd Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making tables and graphs. Students use tools such as collecting nets, sound recorders, and spring scales to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; describing the forms of energy; investigating how forces cause change; describing rapid changes to Earth's surface; comparing different landforms; creating models of the solar system; understanding the structures of living organisms and how they interact with each other and the environment, and comparing life cycles of different plants and animals.

Grade 3 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 3 (continued)

3rd Social Studies *P*

GRADE 3 Social Studies S1 | S2 | YEAR

The theme of 3rd Grade Social Studies is community. Students will compare and contrast different types of communities and discover how cultural diversity adds richness and meaning to life in communities. As the course progresses, students will be introduced to the concept of living in a larger world community. They will learn about heroic men and women who overcame adversity and made their communities better places to live. Students will apply map-reading skills and examine source documents that will help them place communities and events in geographical and historical context. Students will learn that they have a responsibility to improve their communities and will identify ways to participate through nonprofit groups, government, and the free enterprise system.

Grade 4

4th Art *P*

GRADE 4 Electives FLEX

The study of art in 4th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

4th Health *P*

GRADE 4 Electives FLEX

In 4th Grade Health, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. In addition to learning age-specific health information on a variety of health topics, students learn how their behaviors affect their body systems. Students are taught the consequences of unsafe behaviors while using social skills to deal with peer pressure and communicate effectively.

4th Music *P*

GRADE 4 Electives FLEX

The study of music in 4th Grade opens the gateway into exciting development. Building upon the basics covered in 3rd Grade (while still teaching these basics in order to function as a stand-alone course), 4th Grade music allows students the opportunity to learn how music recording and distribution has changed over the years. Students will learn to conduct and play music on the recorder in 2/4, 3/4, and 4/4 time signatures while also learning different musical forms. 4th Grade music has a focus on Texas heritage, noting the influence of Mexican-American, African- American, and European immigrant culture on the music and dancing of the state. Students will listen to great examples of music from a variety of instruments, historical recordings, and cultures as their understanding and respect for different varieties of music increases.

4th Language Arts *P*

GRADE 4 Language Arts S1 | S2 | YEAR

Covering 4th Grade ELAR objectives, this course builds upon third-grade skills and vocabulary development. The focus is reading comprehension of main ideas, details, and themes. Students also keep a reading journal and compare different genre elements. Students write narratives and various essays, including a persuasive essay and an informative research paper. They also evaluate graphic elements, media, and speeches. In the area of cooperative learning, students practice good listening and discussion skills. Additionally, they use technology to make a presentation and self-evaluate their performance.

4th Mathematics *P*

GRADE 4 Mathematics S1 | S2 | YEAR

The primary focal areas in 4th Grade Math are the use of operations, fractions and decimals, and describing and analyzing geometry and measurement. Students will practice multiplication and divide 4-digit numbers by single-digit divisors. They will also learn about estimating quotients. Students will learn and practice addition and subtraction of fractions. Algebraic concepts will include working with equations and solving multi-step problems. Perimeter and area problems will also be performed. Financial literacy topics are also covered.

Grade 4 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 4 (continued)

4th Science *P*

GRADE 4 Science S1 | S2 | YEAR

The study of science in 4th Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making graphs. Students use tools such as beakers, compasses, and balances to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; predicting how matter changes with heating and cooling; describing the forms of energy and its cycles; understanding slow changes to Earth's surface; recognizing weather patterns and using weather maps; understanding the structures and relationships of living organisms and their environment; illustrating and comparing life cycles of different plants and animals; and investigating patterns in the Sun, Earth, Moon system, including shadows and lunar phases.

Grade 5

5th Art *P*

GRADE 5 Electives FLEX

The study of art in 5th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

5th Health *P*

GRADE 5 Electives FLEX

In 5th Grade Health, the students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, students are taught about the human body and the changes that come with puberty. Students are taught how to maintain healthy body systems and prevent disease. Students also learn how technology and the media influence personal health and how to apply problem-solving skills to improve or protect their health.

5th Music *P*

GRADE 5 Electives FLEX

The study of music in 5th Grade integrates singing into the student's musical experience. The 5th Grade course enhances sight singing skills by adding in new examples with different key signatures and compound time signatures. Musical form is taught through activities that allow students to express themselves and talk freely about the music and films they prefer, while also providing the critical vocabulary needed to describe this music in a more polished manner. Cultural representation is a key factor in 5th Grade Music, with African-American, Native-American, American Sign Language, and European immigrant representation. Students will finish the 5th Grade Music course with a greater understanding and appreciation for the music of the different cultures around them.

5th Language Arts *P*

GRADE 5 Language Arts S1 | S2 | YEAR

All standard conventions of English grammar are thoroughly covered. Vocabulary and spelling are spiraled throughout and include word roots, affixes, use of the dictionary, and using context. Students will read and analyze all major genres and be asked to imitate each in their own writing. Students analyze the novel Number the Stars. The students compose all forms of writing required by the state standards and are given detailed instructions in formal research and essays. A section on media literacy is included. Many lessons require peer collaboration. Fluency in reading aloud is taught overtly.

5th Mathematics *P*

GRADE 5 Mathematics S1 | S2 | YEAR

5th Grade Math will develop students' mathematical problem-solving skills. Beginning with an overview of place values, students will learn to regroup numbers and estimate sums and differences. Students will learn to multiply and divide numbers with more than one digit. Proficiency will be gained in adding, subtracting, multiplying, and dividing fractions and whole numbers. Students will solve problems using basic numerical and algebraic expressions. Geometry includes lines, angles, polygons, and polyhedrons. Customary and metric measurements will be used to solve problems. Students will organize and present mathematical data using line graphs, scatterplots, bar graphs, and other visual aids. The course concludes with the application of math skills in the study of financial concepts.

Grade 5 continued

Elementary | Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 5 (continued)

5th Science *P*

GRADE 5 Science S1 | S2 | YEAR

The study of science in 5th Grade includes conducting descriptive and experimental investigations using scientific methods, analyzing data, and making models. Students use tools such as beakers, magnets, and spring scales to collect, analyze, and record information. In this integrated science course, students classify matter by its physical properties; describe the forms of energy and its cycles; investigate how forces cause change; diagram changes to Earth's surface; compare Earth's renewable and nonrenewable resources; understand the structures of living organisms and how they interact with each other and the environment; and recognize patterns in the Sun, Earth, Moon system.

5th Social Studies *P*

GRADE 5 Social Studies S1 | S2 | YEAR

The 5th Grade Social Studies students will engage in a broad survey of U.S. history. Beginning with the discovery of the Western Hemisphere during the Age of Discovery, students will follow the transformation of the United States from a wilderness in the 17th century to a world power during the 20th century. Students will examine founding documents and analyze how government, political parties, and the free enterprise system have shaped the development of the United States. Geographical skills will be tested as students memorize the location of all 50 states and the names of their capitals. In addition, students will examine their rights and duties as citizens and analyze the impact of technology and culture on the lives of Americans.

Grade 6

6th Health *P*

GRADE 6 Electives FLEX

In 6th grade Health, students are encouraged to continue good health practices learned at home. These practices include hygiene, nutrition, medical and dental care, and personal health choices. Coverage is given to sorting through information to make choices among health products. Attention is given to navigating social pressures, puberty, and reproductive processes. Students are given the opportunity to refine their critical thinking skills by evaluating the consequences of their decisions and actions. They are guided to understand that their decisions have consequences not only to themselves, their friends and families, but also to the community at large. By learning to find and evaluate health materials and understand the consequences of their actions, students are being equipped to make good choices and ensure good health throughout their lives.

6th Language Arts (2nd Edition) *P*

GRADE 6 Language Arts S1 | S2 | YEAR

This course provides an overview in reading/comprehension of various genres including fiction and non-fiction. Students read the novel Hatchet by Gary Paulsen and analyze the main character's development. Various activities emphasize informative and fiction writing, including planning, research, use of organizers, drafting, revision, and editing. Instruction also includes grammar basics and mechanics such as combining sentences and using correct punctuation. Analytical exercises consist of comparing genres, evaluating media, and identifying and using persuasion. Additionally, students practice necessary life skills such as communication and presentation, reflecting on the importance of collaboration in teamwork

Grade 6 (continued)

6th Mathematics (2nd Edition) *P*

GRADE 6 Mathematics S1 | S2 | YEAR

Sixth grade math has a primary focus in the area of numbers and their operations, proportionally, expressions and equations, geometry, measurements, and statistics. Students are exposed to concepts, including fractions, decimal operations, and ratios. They learn and practice the geometric principles of area and volume. In algebra, students learn to balance equations, solve inequalities, and perform functions. Students are also taught and given the opportunity to practice statistical representations and interpretation of data. Further topics on financial literacy are also covered in this course.

6th Science (2nd Edition) *P*

GRADE 6 Science S1 | S2 | YEAR

6th Grade Science is an integrated course surveying essential concepts in physics, geology, chemistry, astronomy, and biology. Students will investigate elements and compounds while learning the basics of chemistry. Students will examine different forms of energy and the laws of motion. An investigation of the structure of the earth will precede a study of the characteristics and properties of rocks, minerals, and fossils. A study of astronomy, including galaxies, stars, and the solar system will provide a context in which students will consider the history and future of space exploration. The course concludes with an inquiry into cells, classification, and ecology. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 6 (continued)

6th Social Studies *P*

GRADE 6 Social Studies S1 | S2 | YEAR

The World Cultures course seeks to expand the knowledge of students beyond their local community to appreciate the diversity of the world at large. The course begins with a survey of ancient civilizations and the development of the Middle East's three major religions. In unit 2, students will study the classical foundations of Western civilization and survey European nations. Unit 3 surveys American history, culture, and the role of citizens. The remainder of the course takes students on a whirlwind tour of dozens of many nations around the world, exploring the history, geography, governmental systems, customs, and cuisine of each.

Grade 7

7th Language Arts (2nd Edition) *P*

GRADE 7 Language Arts S1 | S2 | YEAR

In this course, students will learn and apply new skills in reading, writing, and oral communication. Students will consider the importance of establishing a purpose in reading and identifying themes. Reading assignments include short stories, myths, legends, true stories, and expository texts. Students will read and critique the historical novel Chasing Lincoln's Killer. Students will plan, draft, revise, proofread, edit, and publish a fictional narrative and an expository essay. Students will research reliable sources in order to create a research essay and accompanying multimedia presentation. Exploring the poetic devices of sensory and figurative language, students will create a poem of their own. Students will develop oral communication skills by preparing and presenting persuasive and instructional speeches. The course finishes with an investigation of communication in teamwork and collaboration.

7th Mathematics (2nd Edition) *P*

GRADE 7 Mathematics S1 | S2 | YEAR

This course reviews many concepts of mathematics, and it introduces new concepts of graphing and financial information. Students work with sets and subsets, rational and irrational numbers, and exponents. Other topics include order of operations, additive inverses, and a thorough treatment of decimals. Algebraic concepts include ratios, rates, proportions, equations, and inequalities. Geometry concepts include triangles, circles, and circumferences. Students are taught graphing concepts such as plotting in different forms. Probability is covered, as well as financial topics, including interest, taxes, and budgeting.

7th Science *P*

GRADE 7 Science S1 | S2 | YEAR

The 7th Grade Science course will deepen students' understanding of life science. The course begins with the basic building blocks of life—cells. A unit on genetics will challenge students to investigate how DNA, genes, and proteins affect reproduction. Students will learn about different life processes and the importance of water, nitrogen, and carbon cycles. Students will analyze the effect of climate and weather on life and the environment. An investigation into human body systems, including the skeletal, respiratory, and immune systems, precedes the concluding unit on ecology where students will learn how living things interact with their environments. Throughout the course, there are lab investigations to reinforce science concepts and skills.

Grade 7 (continued)

7th Social Studies *P*

GRADE 7 Social Studies S1 | S2 | YEAR

This course introduces students to basic geography of the continents, including boundaries, rivers, and landforms. Students are introduced to the early history of people groups, including civilizations in Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. The languages, art, literature, societies, and way of life of these cultures are covered. The rise and fall of world kingdoms is discussed, ending with the fall of Rome in 476. Further studies into subsequent civilizations include the Byzantine Empire, rise of nations, and events in the world through the Renaissance and Reformation. Information is presented concerning the rise of many different world cultures.

Grade 8

8th Language Arts (2nd Edition) *P*

GRADE 8 Language Arts S1 | S2 | YEAR

This course will expand students' reading horizons and communication skills. Investigating narrative, epic, lyric, and free verse poetry, students will develop an appreciation for the sound, structure, and language of poetry. Students will better understand the elements of literature after reading O. Henry's "A Retrieved Reformation," Agatha Christie's Murder on the Orient Express, and William Gibson's The Miracle Worker. Writing projects include creating a personal narrative, a procedural text, and a multimedia research presentation. Students will examine various forms of media and learn to distinguish bias when evaluating a persuasive text. Presenting a persuasive speech, participating in a debate, and practicing formal and informal speaking and listening will enhance students' communication skills.

Grade 8 continued

Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 8 (continued)

GRADE 8 Mathematics S1 | S2 | YEAR

This course emphasizes the application of mathematics to real-life scenarios, helping the student to build skills in problem solving. Its topics include expressions, equations, relationships, proportions, geometric shapes, measurements, and the use of information. Emphasis is given to the interpretation and creation of graphs and charts that express, describe, and apply data. Students are also given instruction in finance, especially in the area of personal financial literacy. This course ensures that students have mastered the basic skills needed to enter high school mathematics courses.

8th Science (2nd Edition) *P*

GRADE 8 Science S1 | S2 | YEAR

8th Grade Science will challenge students with an integrated study of earth, physical, and biological sciences. Students will analyze the relationship between the Earth, Sun, and Moon. Students will better understand the changing earth as they survey physical processes, such as erosion and weathering, and the characteristics of rocks and minerals. A unit on oceanography will introduce students to the geological, chemical, and biological aspects of the ocean. Students will consider the fundamentals of matter and energy along with the application of energy, force, and motion in physics. Units on plant and animal biology will introduce students to the importance of habitats and earth cycles in sustaining life. The course concludes with a look at the human impact on the earth. Throughout the course, there are lab investigations to reinforce science concepts and skills.

8th Social Studies *P*

GRADE 8 Social Studies S1 | S2 | YEAR

This course employs an integrative approach to the teaching of U.S. history with an emphasis on geography, government, economics, culture, science, and technology. Students will learn how early explorations and development of the first colonies led to the union of 13 states as one nation. Students will examine and analyze important founding documents including the Declaration of Independence and the U.S. Constitution. A survey of the events will reveal how Americans embraced the idea of Manifest Destiny and expanded the nation across North America. Students will follow and analyze the complex issues leading up to the American Civil War. The course concludes with a look at post-war issues.

Grades 6, 7, 8

Middle School Art *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

The study of Middle School Art integrates visual literacy skills using critical thinking, imagination, and the senses to explore the world through the use of elements of art and principles of design. The student explores ideas from life experiences about self, peers, family, and community and uses the imagination to integrate them into original works of art. Creative expression is emphasized throughout the course as numerous works of art will be created using several art mediums such as drawings, paintings, prints, sculptures, modeled forms, fiber works, mixed media, installation work, digital art, and photography. Historical and cultural relevance in art is explored while analyzing styles, historical periods, and a variety of cultures. The course explores critical evaluation and response to the artworks of the student and others. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

Middle School Investigating Careers *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

Middle School Music *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

Taking a more classical approach, the study of music in middle school teaches students the instruments of the orchestra and the classical voice ranges with exemplary performance examples. Students will also learn how to notate musical scores, sight-read using solfège and Curwen hand signs, and critically compare art music performances. Students enrolled in the middle school music course will understand the difference between a genre and a style and the parts of sonata form. The middle school music course also introduces a more expansive world view of music with entertaining and interactive tools for learning.

Grades 6, 7, 8 continued

Middle School | High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 6, 7, 8 (continued)

Middle School Theater *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In Middle School Theater, students incorporate the study of theater, dialog, music, and dance to offer unique experiences that help students explore realities, relationships, and ideas. The foundations of theater include inquiry and understanding, creative expression, historical and cultural relevance, and critical evaluation and response. Through these foundations, students develop a perception of self, human relationships, and the world using elements of drama and conventions of theater. Through projects and exercises, students communicate in a dramatic form, engage in artistic thinking, build positive self-concepts, relate interpersonally, and integrate knowledge with other content areas in a relevant manner. Through the study of historical and cultural relevance, students increase their understanding of heritage and traditions in theater and the diversity of world cultures as expressed in theater. Through critical evaluation and response, students develop the ability to appreciate and evaluate live theater.

Grades 9, 10, 11, 12

Advertising *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

The Advertising course teaches the principles and practices of advertising as an integral part of marketing communication. The course begins with a look at the professional opportunities available in the advertising field. Students are asked to consider environmental, ethical, and other professional responsibilities. They learn about the marketing research process and the components of advertising using the PESO model. Students apply demographics, segmentation, and the four major sales channels to define target markets and make a sales presentation. In the final Module, students use the knowledge gained about the product cycle to complete a final project simulating a promotional campaign for a new product.

Anatomy and Physiology *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Anatomy and Physiology introduces students to the structures and functions of the amazing body. Students learn about different organ systems and how they work together to maintain life. Some of these organ systems include the circulatory, digestive, integumentary reproductive, and respiratory systems. Students examine different diseases that affect these systems and the treatments (both traditional and new) used to fight these diseases. The development and effects of aging on the different organ systems are explored throughout Anatomy and Physiology.

Art History *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Art History will help students develop skills to recognize and appreciate the diversity of art. The course begins with prehistoric and ancient art before introducing students to the classical art of the Greeks and Romans. Students will survey medieval art before exploring the glory days of art and architecture, the Renaissance. The use of light and shadow to evoke emotion during the Baroque period will impress students as will the whimsical style of the Rococo period. Students will contrast the Neoclassical return to idealized subjects with the Romantic era's imagination. Appreciation of art will grow as students study Impressionist and Post-Impressionist artists such as Monet and Van Gogh. The course concludes with students tracing modern art movements, including expressionism, minimalism, as well as conceptual art and artists, including Rodin, Picasso, Mondrian, and O'Keeffe.

Audio Video Production 1 *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

"Audio/Video Production I explores foundational principles in both audio design and video production. This course is broken down into four primary sections: preproduction, principal photography, postproduction,and career preparation/portfolio development. Each section focuses on the primary elements found in each phase of production. Preproduction explores topics such as script and storyboard development, production documents, and production planning. Principal photography analyzes key crew roles associated with audio and video production, like the director, sound designer, producer, and actors, as well as shooting techniques, camera gear, and on-set safety. Postproduction delves into topics such as video editing, copyright laws, and sound mixing and design. The course concludes by having the student create an audio/video portfolio, résumé, and cover letter to prepare for entry into college and the professional world."

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Bible Literacy New Testament *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

"The New Testament (NT) course will equip students with a basic literacy of the NT scriptures. To begin,students will explore the history and characteristics of the NT, survey each book, and recognize the centrality of Jesus of Nazareth. An inquiry into the Christian era will inform students of the NT impact on children, slavery, women, marriage, and education. Students will investigate the profound influence of the NT on politics, limited government, and the concept of justice as seen in important American events including the American Revolution and the U.S. Constitution. Students will understand the effect of the NT on literature after reading selections from Great Expectations, Uncle Tom's Cabin, and other literature. The course will conclude with an examination of artwork related to NT events including the life, death, and resurrection of Jesus Christ."

Bible Literacy Old Testament *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

"The Old Testament (OT) course will equip students with a basic literacy of the Hebrew scriptures. The course will begin with an examination of the major divisions, authorship, and translations of the OT before surveying each individual book. The second Unit will examine the impact of the OT on worldview, society and morals, family, human fallibility, modern science, and the value of human life. Students will recognize the impact of Hebrew scriptures on important events and historical documents including the Reformation, the Magna Carta, and the U.S. Constitution. Next, students will probe the influence of the OT on language, culture, and literature, including idioms, Shakespeare's Macbeth, Handel's Messiah, Milton's epic poem Paradise Lost, and spirituals. The course will conclude by introducing students to the influence of the OT on artworks, including "The Creation of Adam by Michelangelo."

Business Management P ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Business Management is an integral part of the Business, Marketing, and Finance Career and Technical Education clusters. Students will examine evolving views of management with an emphasis on leadership. Next, students will consider ethical case studies and analyze the strengths and weaknesses of various organizational structures. In units 4 through 6, students will analyze the decision-making process as it applies to management issues, such as quality control and improving communication. Beginning with unit 7, students will investigate employee compensation and legal matters concerning hiring and firing. The course concludes with a presentation of practical tools to build one's personal habits and to nurture team building.

Career Preparation 1 *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Career Prep, students are given tools to be successful in future careers. The career clusters and their associated career paths are the focus of the course. Students will learn how to survey the job market, fill out paperwork, and thrive in the workplace. Students will create an electronic portfolio throughout the course. The portfolio includes letters of interest to employers, resumés and cover letters, interview preparation documents, a career plan, as well as other reports. The course is designed for students who are currently working and can leverage real-life experience into their course projects.

Commercial Photography 1 *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Commercial Photography I develops students' skills in the areas of digital photography, professional communication, and design. Commercial Photography is about more than simply taking a photo. It involves marketing, teamwork, management, design, and much more. Students learn concepts such as how to work with clients, edit images, pose portraits, style scenes, use a camera in manual mode, use the principles of design, prepare for their career, and create images with purpose. Real world projects and a broad scope of the career give students insight to what it is like to work in the creative production industry. Students leave Commercial Photography I with a wealth of knowledge and an industry-ready portfolio

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Commercial Photography 2 *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

Commercial Photography II advances students' skills in the areas of digital photography, professional communication, and design. In Commercial Photography I, students learned introductory concepts such as lighting, posing, retouching images, working with clients, styling, and shooting with a camera in manual mode. In Commercial Photography II, several of those concepts are discussed more in depth. Additionally, students are introduced to new concepts such as leadership, business ownership, conceptualization, architectural photography, stock photography, inspiration, and more. Through real world projects and a broad overview of different career paths in photography, students gain insight into what working in the creative production industry requires. The projects help students set goals and plan for their own future. Commercial Photography II students are encouraged to explore and take photos as often as possible. Students leave Commercial Photography II with a wealth of knowledge and an industry-ready portfolio.

Counseling and Mental Health *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

(Full Year Course) This course is a Career and Technical Education course for use in the Health Science or Human Services career pathways. The course covers general topics for personal and professional development (soft skills), such as time management, critical thinking, and problem-solving, communication, team building, ethics, and character. It also focuses on many mental health topics, including the history of mental health care, modern mental health care systems, the nervous system, mental health across life stages, stress, depression, and other mental disorders. Students research the professional development of workers in the mental health field, such as the scope of practice, ways to recognize abuse, and methods for adapting to change. Student and professional organizations for career development are discussed as well. The course ends with activities exploring careers and researching training opportunities.

Digital Design and Media Production *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Digital Design and Media Production is designed to provide students with a comprehensive introduction to the principles and practices of graphic design, video production, and social media marketing. The course covers various topics, including audience identification, graphic design elements and principles, advertising and marketing, videography, and social media. Students will learn the importance of planning and research in communication as well as fair use and copyright laws. They will also develop skills in logo design, videography, and social media marketing while producing a 60-second news package and an ad plan tailored to their target audience. Students will critically analyze the growth of social media and explore the impact of the internet on the advertising and marketing world. Through a combination of lessons, hands-on activities, and projects, students will gain valuable media production experience in an increasingly digital world.

English High School Readiness Assessment *P* ◉

GRADE 9, 10, 11, 12 Electives FLEX

(Full Year Course) The English Diagnostic is designed for students who are entering the 9th Grade. The purpose of the Diagnostic is to assess if the student is ready for high school material as well as to provide remediation for areas as needed. The Diagnostic consists of several English language categories. In each category, there is a pretest, remediation, and post test. If students pass the pretest, they will immediately go on to the next category pretest. If students do not pass the pretest, they will complete remediation, and then complete a post test. If the post test is passed, they will go on to the next category of pretest.

Entrepreneurship *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Entrepreneurship course is designed to grow the student's passion for starting, growing, and excelling in business ventures. The student will explore the basics of starting a business, from brainstorming great concepts to execution and profitability. Entrepreneurship includes more than just starting businesses, but explores the ventures of product development, marketing, distribution, and sales. The student will expand his or her knowledge in the areas of proper product and service pricing, financial planning and growth, accounting and bookkeeping, fundraising, marketing research, and business law. The course asks the student to practice the knowledge and skills he or she has gained by developing and writing a business plan for their very own business venture. The student will gain a complete understanding of what it takes to make a business a success and possibly gain a desire to actually start a company from scratch.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Investigating Careers *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR Printed Materials A-G Approved (Full Year Course) In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

Graphics Design and Illustration 1 *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR Printed Graphic Design and Illustration I is an introductory course that explores the elements, principles, and tools of the graphic design and illustration industries. Students begin the course by analyzing the various elements of design such as color, shape, and value and applying them to unique works of their own. Personal projects include product label design, logo design, figure drawing, designing type, and more. The course focuses on design tool basics such as software applications and computer hardware. The student will practice design skills directly on computer applications while exploring other key professional skills such as creating design proposals, typography, cyber security, printing, copyright laws, artist critiques, and other career tools. The course concludes by having students assemble a graphic design and illustration portfolio. Their portfolio can be used for art school applications, job placement, or general professional development.

Human Growth and Development *P* ◉

GRADE 9, 10, 11, 12 Electives, CTE S1 | S2 | YEAR Printed Human Growth and Development guides the student through the biological, physical, social, and emotional development of humans. The course is structured to explore growth and development at various life stages. The first Module analyzes stages of prenatal development, prenatal care and nutrition, and genetics. The course continues by exploring sequential human growth stages such as infants, early childhood, adolescence, and early, middle, and late adulthood. Each Module contains hands-on projects, equipping the student to dig deeper into topics such as psychosocial and emotional development while speaking directly to individuals in these various life stages. The course explores theories of development, societal and cultural influences, and concludes by analyzing growing career opportunities in human development.

Logic 1 *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

The Logic I course will improve the critical thinking skills of students through the study of informal logic. The course will challenge students to evaluate whether humans are rational or emotional beings. The majority of the course explores occurrences of faulty reasoning known as logical fallacies. Students will learn to recognize and expose fallacies when evaluating and critiquing arguments. Fallacies covered include appeal to fear, irrelevant thesis, straw man, false analogy, red herring, and misuse of statistics. Students will apply the study of types, components, and principles of argumentative dialogue in preparing a dialogue of their own. During the course, students will consider and analyze Aesop's Fables and "The Cave" by Plato. The course concludes with a comprehensive review of fallacies and a preview of formal logic.

Logic 2 *P* ◉

GRADE 9, 10, 11, 12 Electives SEM

(Half Year Course) Logic II introduces the student to the world of Aristotelian formal logic. Students will use classical tools, including the Porphyrian tree and Euler's circles to translate arguments into propositions organized within the categorical form. Students will also learn to analyze the validity of arguments using the square of opposition, terminological rules, Venn diagrams, and the Barbara, Celarent, Darii, Ferio mnemonic. The course concludes with an evaluation of presuppositional disputes and a survey of hypothetical syllogisms.

Math High School Readiness Assessment *P* ◉

GRADE 9, 10, 11, 12 Electives FLEX

The Math Diagnostic is designed for students who are entering the 9th Grade. The purpose of the Diagnostic is to assess if the student is ready for high school material as well as to provide remediation for areas as needed. The Diagnostic consists of several math categories. In each category, there is a pretest, remediation, and post test. If students pass the pretest, they will immediately go on to the next category pretest. If students do not pass the pretest, they will complete the remediation coursework. Once remediation has been completed, students will take a post test. If the post test is passed, they will go on to the next category of pretest.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Medical Terminology *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Medical Terminology is a course for students with an interest in the medical field. This course provides students with knowledge of Latin and Greek roots, prefixes, and suffixes in addition to combining forms and eponymous terms related to the many systems of the human body. Students are also able to learn more about the many professions, specialists, and treatment plans associated with different areas of the body. This course introduces new ways of looking at the body through the lens of medical terms and their origins.

Music Appreciation *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This course is designed to help the non-musician understand music basics, including such topics as reading a musical score, melody and harmony, rhythm, music history (styles by period), music theory, musical genres, instruments, orchestration, and arrangement. The course even covers the creation of musical scores using popular music arrangement software. Other topics include the science of musical sound, health and wellness for performers, classical symphony concerts, besides opera performances and etiquette when attending. The course strives to help non-musicians gain an understanding of the world of music and to become well-rounded individuals.

Principles of Business, Marketing, and Finance *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Principles of Business, Marketing, and Finance course will expand the student's knowledge in the many areas of business and free enterprise. The majority of the course takes a comprehensive look at business disciplines such as analyzing goods versus services, economics, financial management, principles of personal finance, marketing, the global economy, and government in business. The student will gain soft skills such as understanding business ethics, leadership, and the management of employees. The student will gain hard skills such as product management, finances, marketing campaigns, and sales. The course then takes a practical look at career opportunities in business and the professional skills needed to excel within the industry. The student will finish the course with a broad grasp on the principles of starting, operating, and managing a successful company.

Principles of Government and Public Administration *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Principles of Government and Public Administration (PGPA) introduces students to careers in public policy. PGPA explores government from the perspective of government and private-sector employees as well as elected officials. In this course, students examine different career avenues and their ethical and professional standards. PGPA introduces students to theories of governmental development alongside the constitutional principles underlying America's federal and unitary forms of government. Students learn about the public official's responsibility to protect citizens' rights to due process and discover how interest groups influence public policy. Students then analyze the effect of policymaking on both the culture and society of the nation and foreign policy. The course concludes with an investigation into the role of government in a free-market economy, including its ability to stimulate invention and innovation.

Principles of Health Science *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This CTE course is designed to help prepare students for a career in the health science field. It covers healthcare systems and the roles of team members within these institutions. The course has many opportunities for students to explore the various careers within the healthcare field. It emphasizes the personal and professional skills required to succeed in this arena, including personal character qualities, teamwork, and leadership. Coverage includes the science of healthcare, including measurement, SI system, anatomy and physiology, and safety practices. It covers topics of healthcare at various life stages, from birth to death. Laws and regulations, best practices, and professional ethics are discussed, as well. Because this course has a careers emphasis, other topics covered include career preparation, the role of student and professional organizations, and the state of the health-care career field

Principles of Human Services *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

This course enables students to investigate careers in human services including counseling, mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand careers. Skills learned in this course includes: responsible decision-making, setting both short- and long-term goals, and knowing how to react to and handle high stress crisis situations.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Psychology (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Psychology course begins with a look at basic social science skills including ethical decision-making and statistical evaluation. After a brief survey of careers in psychology, the student will explore the physical processes of the brain and body systems that shape sense and perception. The student will then study theories of development, personality, and conditioning. Next, students will explore mental processes behind thinking and memory, language acquisition, motivation, and emotions. Students will investigate the levels of consciousness and disorders leading to abnormal behavior. The course concludes with an examination of the individual and social behavior. Students will learn about stress, attitude formation, conflict resolution, conformity and obedience, altruism, and morality.

Speech Communication *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Speech Communication seeks to improve the interpersonal and public communication skills of students. Surveying the communication process, students will learn the components and functions of communication, differentiate between oral and nonverbal communication, and comprehend the listening process. Developing familiarity with self and personal strengths and weaknesses, students will boost self-confidence as public speakers in situations such as speeches or interviews. The course will culminate with students applying their acquired communication skills in researching, preparing, and giving a speech.

Virtual Business *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR)

The Virtual Business course guides students through the basics of starting, operating, and managing an online company. This course is designed for students interested in starting a virtual business by creating a web presence, conducting online and offline marketing, examining and creating business contracts for online business, and exploring project-management systems. The student will also explore bookkeeping processes, applicable legal company business structures, managing telecommuting employees, maintaining business records, as well as entrepreneurship. Virtual Business also guides the student through potential online career pathways by conducting various personality and career pathway assessments. The student will conclude the course by applying learned skills to create a company, including a business plan, branding the business, and creating a website using common website builder tools.

Web Communications *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Web Communications, students learn how to be good digital citizens. Rights, responsibilities, and digital communication tools are explored. Students learn how to search and choose valid internet sources for research while gaining a deeper understanding of new technologies. Students dive into the history of the Web and how it has changed over time. Topics such as internet safety, security, and cyberbullying are also analyzed. Using the knowledge gained in the course, students write a web-hosted blog post with HTML coding elements. The course ends with the fundamentals of web design and a project in which students create a simple webpage.

U.S. Citizenship Preparation

GRADE 9, 10, 11, 12 Electives FLEX

This course is designed to help prepare immigrants to be successful when completing the naturalization process. It includes steps to becoming a U.S. citizen, how to apply online, and what to expect during the naturalization interview. Students will learn key words and grammar needed to understand the interview questions. Students will also learn about: the U.S. system of government, rights and responsibilities, American history, U.S. geography, and symbols and holidays.

English 1 (3rd Edition) *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English I launches a four-year journey during which students will confidently master grammar, develop advanced communication skills, and learn to analyze and appreciate challenging literature. The course begins with grammar fundamentals including sentence structure, parts of speech, and phrases and clauses. Students' vocabulary will expand through a study of technology, literary terms, and words with multiple meanings. Culturally diverse texts will emphasize literary elements and techniques while an overview of short and long prose will delve into excerpts from The Odyssey. Reading Animal Farm and Romeo and Juliet will expand the students' literary world. Writing skills will advance as students learn and apply the steps for creating a research paper. The course includes coverage of effective speaking and listening.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

English 2 (3rd Edition) *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English II begins with a major focus on grammar to help students become stronger writers. Students then analyze literary genre elements in various excerpts of classical stories. A major focus is the Greek drama, Antigone, by Sophocles. The novel, To Kill a Mockingbird, by Harper Lee is required with this course to study for analysis, as well. Students compare informational texts and have various writing projects. For example, they write an analytical essay on a short story and a persuasive essay that they also present as a speech. Their research paper is about a topic they choose on the Civil Rights Movement in which they construct a multi-media presentation to accompany it. Additionally, this course includes work-related documents with students constructing their own resumés and letters.

English 3 (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English III, students focus on the development of American Literature and compare it with ideas and forms of literature around the world. Students review the basics of the language arts, then scaffold with practices of increasing complexity to meet the required grade-level objectives of analytical thinking. Engaging in a step-by-step process, students learn to write complex analyses and argumentative papers. Students also learn principles in research, teamwork, discussion, and presentation skills. The text that should accompany the course is the musical, Fiddler on the Roof, by Joseph Stein. This play highlights literary devices as well as the ideas of immigration and cultural assimilation with supporting literature. Additionally, students explore college and career planning as well as tips for dealing with information in technology today.

English 4 (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English IV emphasizes the interpretation of various types of literature from different time periods. The genres covered include fiction, drama, and poetry. The dramatic play Cyrano de Bergerac is read and studied for its use of language to convey dilemmas and themes. Poetry studies include a survey of British poetry as well as ancient and modern poetry from various cultures and in various periods. Students are also given a wide range of writing assignments. For example, students produce a fiction story and a script. They also write essays evaluating literary elements. The course also includes research and writing arguments with logic. These various writing assignments help prepare students for end-of-course and SAT essay writing. Coverage is also given to analyzing and evaluating media and speeches, as well as using presentation and discussion skills.

Literary Genres *P* ◉

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

Literary Genres is a senior-level course in which students will explore and analyze a variety of literature. A grammar review precedes a study of rhetorical and literary devices, as well as a brief survey of the major literary forms. Students will read a variety of fictional selections and stories including The Canterbury Tales, various mythologies, Beowulf, Hansel and Gretel, Dracula, and Edgar Allan Poe's "The Masque of the Red Death." Students will better understand drama after reading excerpts from William Shakespeare's plays and will contemplate timeless poems by Robert Frost, Emily Dickinson, Walt Whitman, Lord Byron, and other poets. Comparing and contrasting speeches by Barack Obama and Ronald Reagan will assist students in analyzing persuasive texts. The course concludes with a look at perspective in nonfiction texts, such as diaries and autobiographies.

Algebra 1 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra I is a common starting point for high school math studies. A review of fundamental math skills in unit 1 will ensure students are ready for algebraic concepts. Students' math competence will grow as they learn to solve expressions, functions, and equations by using formulas, ratios, proportions, percentages, and rates. Other concepts include exponents and scientific notation, polynomials and trinomials, multi-step inequalities, slope formulas, and systems of equations and inequalities. Students will solve quadratic functions through various methods including graphing, factoring, square roots, completing the square, and the quadratic equation. Using tables and graphs, students will analyze and organize data and statistics. Students will learn to work and solve exponential, radical, and rational functions and equations. The final unit ties algebraic concepts to the study of geometry.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Algebra 2 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR Printed Materials A-G Approved (Full Year Course) Algebra II will consolidate and build on students' knowledge acquired in Algebra I. After a review of Algebra I concepts, students will take an in-depth look at linear equations, inequalities, and functions. Students will be introduced to matrices, apply Cramer's Rule in solving linear systems, and solve graphs and equations of conic sections. Using graphs, factoring, and the quadratic formula, students will solve quadratic equations, inequalities, and functions. Students will investigate how to graph, factor, invert and solve polynomials, as well as solve rational expressions, radical expressions, fractional exponents, and rational inequalities. Students will examine the properties, transformations, and applications of exponential and logarithmic functions. Applying probability and data analysis, students will determine probability and model data. The final unit will present trigonometric concepts to prepare students advancing to trigonometry.

Geometry *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course, dealing primarily with two-dimensional Euclidean geometry and solid geometry, promotes the development of logical reasoning skills and is useful in many life situations. Beginning with the fundamental concepts of line segments and angles, students will progress to conditional statements, geometric and algebraic proofs, and line relationships. In studying polygons, students will learn the properties of triangles, quadrilaterals, and circles along with geometrical concepts including the Pythagorean Theorem and the relationship of pi (π) to circumference and area in a circle. In the study of solid geometry, students will learn how to determine area and volume for prisms, cylinders, pyramids, cones, and spheres. Students will apply learned geometric skills in working with ratios, similarities, transformations, and symmetry before concluding the course with an inquiry into the fundamentals of trigonometry.

Integrated Math 1 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

A review of fundamental math skills in unit 1 will ensure students are ready for algebraic concepts. Students' math competence will grow as they learn to solve expressions, functions, and equations by using formulas, ratios, proportions, percentages, and rates. Other concepts include exponents and scientific notation, polynomials and trinomials, multi-step inequalities, slope formulas, and systems of equations and inequalities. Students will solve quadratic functions through various methods including graphing, factoring, square roots, completing the square, and the quadratic equation. Using tables and graphs, students will analyze and organize data and statistics. Students will learn to work and solve exponential, radical, and rational functions and equations. The final unit ties algebraic concepts to the study of geometry.

Integrated Math 2 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course, dealing primarily with two-dimensional Euclidean geometry and solid geometry, promotes the development of logical reasoning skills and is useful in many life situations. Beginning with the fundamental concepts of line segments and angles, students will progress to conditional statements, geometric and algebraic proofs, and line relationships. In studying polygons, students will learn the properties of triangles, quadrilaterals, and circles along with geometrical concepts including the Pythagorean Theorem and the relationship of pi (π) to circumference and area in a circle. In the study of solid geometry, students will learn how to determine area and volume for prisms, cylinders, pyramids, cones, and spheres. Students will apply learned geometric skills in working with ratios, similarities, transformations, and symmetry before concluding the course with an inquiry into the fundamentals of trigonometry.

Integrated Math 3 *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

After a review of Algebra I concepts, students will take an in-depth look at linear equations, inequalities, and functions. Students will be introduced to matrices, apply Cramer's Rule in solving linear systems, and solve graphs and equations of conic sections. Using graphs, factoring, and the quadratic formula, students will solve quadratic equations, inequalities, and functions. Students will investigate how to graph, factor, invert and solve polynomials, as well as solve rational expressions, radical expressions, fractional exponents, and rational inequalities. Students will examine the properties, transformations, and applications of exponential and logarithmic functions. Applying probability and data analysis, students will determine probability and model data. The final unit will present trigonometric concepts to prepare students advancing to trigonometry.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Math Models *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The Math Models course applies mathematical concepts to real-life situations. The course begins with a review of basic math concepts before presenting an overview of geometry, probability and statistics, and problem-solving. Students will learn to conduct and analyze research by collecting and describing data using graphs and models that find application in disciplines as diverse as science, trigonometry, art, architecture, and music. Students will employ theoretical, empirical, and binomial probability to predict the likelihood of outcomes. Using math models, students will better understand personal finance issues including compensation, budgeting, taxes, bank accounts, and compound interest. Applying math models to analyze the pros and cons of credit cards, renting or purchasing a home, leasing or purchasing a vehicle, and investments and insurance will enable students to be smarter consumers.

Personal Finance *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The Personal Finance course introduces students to strategies and practices that empower them to manage their money wisely. Students first perform a self-analysis to discover their money personality. A study of good consumer habits includes a comparison of renting and buying. Students learn the steps to building wealth, including building an emergency fund, evaluating and embracing risk when investing, and using credit sparingly and wisely. A survey of consumer rights accompanies the steps recommended to protect one's personal information. Students survey types of insurance and evaluate the role of each in limiting personal financial risk. The course concludes with an entire Unit dedicated to evaluating higher education opportunities, costs, and funding.

PreCalculus *P* ◉

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Precalculus explores a wide variety of mathematical concepts with the goal of preparing students for calculus or other college-level math courses. A review of number properties, factoring, the quadratic formula, and the Cartesian coordinate system will prepare students for advanced math concepts. Students will use graphing calculators to plot graphs and solve equations. Students will learn to solve a variety of problems including parent functions, transformations, even and odd functions, domain and range, operations, linear functions, regression, correlation, quadratic functions, polynomials, asymptotes, and exponential, logistic, and logarithmic functions. Trigonometric studies include angle measurement, arc length, functions, reciprocal and quotient identities, Pythagorean identities, sines, and cosines. Sequences and series precede inquiries into the characteristics and applications of conic sections and vectors. The course concludes with an investigation into parametric equations and polar equations.

Aquatic Science *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In Aquatic Science students will test, predict, and learn about water and things pertaining to water. The first unit will guide students to think of water as a system. Learning the chemistry and physics of water, students will complete a course project by applying scientific methods to collect and analyze data on a local body of water. A survey of the physical properties of the ocean, including their formation and composition, will precede an inquiry into how the atmosphere and sun interact with the hydrosphere to create weather. Students will examine the elements and properties of aquatic ecosystems, including aquatic biology and marine and freshwater ecosystems. In the final unit, students will consider the relationship between humans and water, including challenges such as population growth competing for resources with agriculture and industry.

Astronomy *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

Beginning with a look at astronomy's history, students will recognize the contributions of Ptolemy, Copernicus, Galileo, and Newton to our understanding of the universe. The second unit investigates telescopes and detectors such as radio receivers. An examination of the characteristics and processes of the Sun will be followed by a look at the terrestrial planets: Mercury, Venus, and Mars. After studying the Earth-Moon system, students will explore facts about the minor planets, Jupiter, Saturn, and the outer planets. Moving beyond the solar system, students will learn the characteristics of stars, galaxies, and deep space objects. Students will better appreciate the night sky after learning the constellations and will ponder the origin and fate of the universe with an inquiry into impermanence, special and general relativity, and cosmology.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Biology *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR Printed Materials A-G Approved(Full Year Course)

In Biology, students will develop an appreciation for the living world. A brief history of biology followed by an investigation of the basic unit of life—the cell—will prepare students for deeper research. Students will explore topics concerning genetics, including meiosis, heredity, and DNA. Students will consider natural selection, the origin of life theories, and the mechanics of evolution. An exploration of "little critters" such as bacteria precedes a study of plant structures, processes, and reproduction. Students will inquire into animal behavior and characteristics as they study invertebrates, amphibians, reptiles, birds, and mammals, among others. An inspection of nutrition and disease will lead students to examine human body systems. The course will conclude with an analysis of the interdependence of living things in ecosystems.

Chemistry *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

A foundational branch of physical science, the principles, and laws of chemistry find many applications in business, technology, health care, and other fields outside traditional scientific areas. Beginning with a look at measurements, calculations, data analysis, and the scientific method, students will investigate the properties of elements, compounds, and mixtures. A survey of the history of theories of atomic structure will lead students to Mendeléev's periodic table and an inspection of the periodic law. Next, students will apply atomic theory in the study of molecular and chemical bonding interactions through chemical formulas, reactions, and stoichiometry. Students' knowledge will expand as they learn about the states of matter, gas laws, solutions, acids and bases, thermochemistry and reaction kinetics, and oxidation-reduction reactions. The course concludes with inquiries into organic chemistry, biochemistry, and nuclear chemistry. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Earth Science (Environmental Systems) *P* ◉

GRADE9, 10, 11, 12 Science S1 | S2 | YEAR

In Environmental Systems, students will learn about different Earth systems, how they interact with each other, and how humans impact these systems. Students will look at the scientific bases for land, water, atmosphere, and biosphere systems; discuss several environmental problems; analyze possible solutions; delve into laws already in existence; and discuss any possible future laws. Critical thinking will be required, as well as the ability to argue points from both sides of an issue. Throughout the course, there will be lab investigations, including video labs, to reinforce scientific concepts and skills.

United States History P ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

U.S. History Since 1877 details the American story from Reconstruction to the present day. Beginning with western expansion, students will analyze the impact of events including the rise of cities and capitalism, the Alaska Purchase, and the Spanish-American War. Students will understand how technological advances including the assembly line and harnessing electricity, as well as the Progressive agenda of societal reform, influenced American prosperity. Students will consider America's rise to a world power during World War I before probing events leading up to World War II, including the Great Depression. Students will examine the momentous war and its consequences, including the Cold War and the Korean War, and investigate later 20th-century events, including the Reagan era and the Persian Gulf War. The course concludes with a look at recent events, including the War on Terrorists.

Economics (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

The Economics course begins with a survey of the basic principles concerning production, consumption, and distribution of goods and services within the free enterprise system. Students will examine the rights and responsibilities of consumers and businesses, analyze the interaction of supply, demand, and price, and study the role of financial institutions. Types of business ownership, market structures, and basic concepts of consumer economics will be surveyed. The impact of a variety of factors including geography, government intervention, economic philosophies, historic documents, societal values, scientific discoveries and technological innovations on the national economy, and economic policy will be an integral part of the course. Students will apply critical- thinking skills to create economic models and to evaluate economic activity patterns. Students will also examine the knowledge and skills necessary as self-supporting adults to make critical decisions relating to personal financial matters such as seeking college financial aid, using credit wisely, and balancing financial accounts.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Physical Science (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In IPC, students will learn many fascinating chemistry and physics concepts. Students have a brief introduction to the scientific method, lab safety, and the metric system. The study of chemistry begins with the atomic theory and the Periodic Table, applying theory to develop chemical formulas and balance equations. The course includes investigations into acids and bases, gas laws, and nuclear chemistry. Students explore Newton's laws of motion and other physics concepts including mass, force, motion, velocity, acceleration, gravity, and energy. A study of electricity and magnetism, simple machines, the laws of thermodynamics, and energy waves rounds out the physics portion of the course. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Physics *P* ◉

GRADE 9, 10, 11, 12 Science S1 | S2 | YEAR

In this course, students will learn physics concepts, including matter and energy, motion and force, speed, velocity, and acceleration in order to better understand how the universe behaves. A survey of the historical development of physics as a foundational branch of science will lead to recognition of the contributions of Newton, Einstein, Planck, and others. Students will apply physics concepts as they study gravity and acceleration, momentum, motion, and energy. The concepts of work and power will become evident as students learn how machines use torque and force to accomplish work. Students will recognize the roles of each fundamental force and will investigate electrostatics, thermodynamics, waveforms, particles, and quantum physics. Following an examination of the nucleus, radioactivity, fission, and fusion, the course concludes with the theories of special and general relativity. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

United States Government (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR)

U.S. Government commences its examination of American democracy with a general overview of the purpose, types, origin, and formation of governments. Students will explore how colonial self-rule, English law, and weaknesses in the Articles of Confederation influenced the formation of the U.S. Constitution. Students will investigate the principles of the Constitution and the federal system. The purpose, powers, and relationships among the American institutions of self-government—Congress, Presidency, and the Judiciary—will be examined as well as federal, state, and local governments. Students will become aware of their civic responsibility to vote and participate in the governmental process as they gain understanding of the functions and organization of political parties, the evolution of the two-party system, and the influence of public opinion and political ideology on government decisions.

World Geography (2nd Edition) *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In World Geography, students will learn the six essentials of geography: spatial terms, places and regions, physical systems, human systems, environment and society, and uses of geography. After a broad survey of Earth's structure, hydrosphere, and climates, the focus of each unit narrows to a particular region of the world. By examining the physical geography of each region, including water resources, climate, vegetation, and natural resources, students will understand the influence of geography on economic activities, human culture, and history. In addition, students will investigate the impact of human activity on the environment, including pollution and development, and consider the implications.

World History *P* ◉

GRADE 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

World History is a survey of the development of civilizations from prehistoric times to the present. The journey begins with ancient civilizations including Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. Students will analyze developments in Africa, Asia, and Europe during the Middle Ages, including the Crusades. Students will understand how the Renaissance and Reformation provided a springboard for the Age of Reason and the Scientific Revolution. An inquiry into events such as the American War of Independence and the French Revolution will prepare students to consider the great advances and social upheaval sparked by the Industrial Revolution. Students will probe the causes, events, and consequences of the two world wars and the rise and fall of Communism. The course concludes with a look at developments shaping current events.

B-Intervention
Catalog

The **B-Intervention** curriculum catalog is designed to help students move forward with permanent academic gains. Students will experience a variety of instructional content that is academically challenging yet visually engaging to stimulate the educational mind and encourage academic discovery.

Too often, students are moved forward without the opportunity of intervention to re-assess and re-teach unmastered skills. Every unit includes a Unit Pre-Test that will excuse subsequent lessons dependent on student performance. In addition, every unit includes Unit Post-Tests, which will then automatically assign a retry to unmastered lessons.

Student's responsibilities:

1. Take the unit pre-test and then complete all assigned lessons in that unit, excluding those that have been excused.
2. Earn a minimum 70% passing score on the unit post-test to move to the next unit.
3. Remediation: Complete additional lessons when mastery of objectives within the Unit Post-Test is not achieved.

Teacher's responsibilities:

1. Monitor student scores on lessons, which are set to unlimited attempts by default to allow the student continued practice.
2. Consider excusing and un-excusing lessons based on prescription and varied student performance per Unit Pre and Post-Tests.
3. Identify opportunities to redirect students to specific lessons before allowing a retry on the Unit Post-Test.

When a student requires further intervention, personalized content can be added and assigned from the SchoolsPLP content library.

Quizzes are intentionally hidden in intervention courses to prevent students from being assessed on content that has been excused.

Each lesson typically contains lesson objectives, vocabulary, learning text, and check-for-understanding questions. This instructional design allows students to practice the skill of searching for answers in context. All courses have access to the text-to-speech toolbar.

Most lesson assessments are computer-graded. Some essay questions and activities will contain a submission box where students can type their responses or draw, insert images, create and insert video clips, insert charts, and/or attach files.

Hidden Items (if applicable)

Unit quizzes, Teacher guide, Lab or project answer keys

Default Weights*

Unit Pre-tests	0%	Unit Post Tests	45%
Lessons	30%	Practice Tests	0%
Assignments	10%	Final	15%
Quizzes	0%		

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade K

Intervention K Language Arts - Phonics, Spelling, and Penmanship *P*

GRADE K Language Arts S1 | S2 | YEAR

Kindergarten Language Arts introduces students to a variety of literary and informational texts. Students will learn about basic story elements and plot sequences through classic pieces of children's literature. First, students will explore nursery rhymes, such as "Hickory Dickory Dock." Then, students will move on to fables, fairy tales, and folk tales, such as "Sleeping Beauty" and "The Three Little Pigs." This course will also teach students how to use informational texts for learning. Students will learn the parts of a book and how to use text features to gain understanding. In each Unit, students will complete fun activities that bring texts to life. Students will demonstrate their ability to describe stories, make connections, and use standard English conventions in a variety of ways, including speaking and drawing.

Intervention K Language Arts *P*

GRADE K Language Arts S1 | S2 | YEAR

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 68 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Once students can effortlessly read individual words, they are then ready to comprehend sentences. For penmanship, students learn and practice proper sitting posture, correct pencil grip, directions for paper slant, and the steps for writing manuscript. When students can form letters with automaticity and ease, they can focus on what they want to say. Writing by hand creates kinesthetic memories of letters, which also helps students learn how to read.

Intervention K Mathematics *P*

GRADE K Mathematics S1 | S2 | YEAR

Kindergarten Math explores fundamental concepts of numbers, helping students to make connections between concrete objects and numbers. For the numbers 1-20, students learn to recognize word forms, identify and write numerical values, and compare numbers using symbols (<, >, =). Students master counting to 100 and skip counting by tens. Students learn that addition is the joining of numbers, and subtraction is the separation of numbers. The course teaches students addition and subtraction to 10 using models, pictures, number bonds, and number lines. Other concepts covered in this course include shapes and their attributes, measurements, data collection and sorting, picture graphs, and financial literacy. Throughout the course, students get hands-on experience and practice counting with manipulatives, number lines, and charts. Colorful, clear, and engaging visuals are used throughout the course to enhance student learning.

Intervention K Science *P*

GRADE K Science S1 | S2 | YEAR

Kindergarten Science lays the foundation for investigation and reasoning in science. The course includes three main domains; life science, Earth and space science, and physical science. Students will develop a basic understanding of science and skills necessary to conduct experiments, such as how to ask questions, communicate ideas, and make observations using the five senses. Students will engage in life science concepts, including animal parts and characteristics, plants and their life cycle, and basic needs of all living things. In Earth and space science, students will explore patterns in the natural world by observing and comparing different rocks, soil, and water. The course develops the student's understanding of objects in the sky and the patterns they create, such as day and night, seasons, and weather. Students will discover the concepts of matter and energy by exploring the physical properties, location, and motion of objects and materials.

Intervention K Social Studies *P*

GRADE K Social Studies S1 | S2 | YEAR

Kindergarten Social Studies introduces young learners to the social sciences. The course starts with an invitation to learners to investigate how people use jobs to meet basic needs and wants. Next, students will discover how traditions, kinship, and religion shape each family's culture. An introduction to basic map skills is followed by a survey of basic landforms and bodies of water. The course then transitions into a study of the role of leaders, the relationship between government and rules, and an introduction to national symbols including the U.S. flag. Students will discover the meaning behind selected patriotic holidays before concluding the course with a look at how technology affects our lives.

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 1

Intervention 1st Grammar and Penmanship

GRADE 1 Language Arts FLEX)

1st Grade Grammar and Penmanship teaches students to communicate clearly in writing. Through penmanship instruction, students will learn how to form all lowercase and uppercase manuscript letters. Each penmanship Lesson reinforces the letters, phonograms, and words that are introduced in the corresponding Phonics and Spelling Lesson. Through grammar instruction, students will learn the purpose of words, sentences, and punctuation. Students begin by learning about parts of speech and parts of sentences and build up to whole sentences and punctuation rules. Throughout the course, students will construct their own writing handbook. The handbook will include examples of manuscript letters as well as grammar terms and rules. The course culminates in students writing correspondences to authentically practice grammar and penmanship.

Intervention 1st Phonics and Spelling

GRADE 1 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. Students will use spelling rules learned in kindergarten as well as learn additional rules to help them spell and read a variety of words. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

Intervention 1st Reading and Composition

GRADE 1 Language Arts FLEX)

In 1st Grade Reading and Composition, students will explore the patterns of literary and informational texts. The course begins by providing explicit instructions for academic vocabulary and comprehension skills. Then, each Unit guides students through the process of close reading. Students will read a variety of literature, including fun and classic pieces such as “Twinkle, Twinkle, Little Star” and “Goldilocks and the Three Bears.” Students will practice using reading strategies to understand the literal meaning and purpose of a text. Students will also learn how to use evidence to make predictions and inferences about texts. At the end of each Unit, students will apply their learning of texts by composing their own texts.

Intervention 1st Mathematics

GRADE 1 Mathematics S1 | S2 | YEAR

In 1st Grade Math, students will extend their understanding of number concepts from 0 to 120. The course starts with a review of kindergarten concepts and introduces place value. Students will compare numbers using symbols (<, >, =) and number lines. The course teaches students addition and subtraction using multiple methods. The methods include composing and decomposing numbers with number bonds, number lines, hundreds charts, doubles, doubles plus one, ten less ten more, place value models, expanded and standard forms, and algorithms. These methods are also used for missing values and story problems. Other concepts covered in this course include shapes and solids, fractions, measurements of length and time, data collection, pictographs and bar graphs, and financial literacy and U.S. currency. Throughout the course, students practice addition and subtraction math facts for numbers up to 20. Each Unit also has hands-on activities and projects to further students’ understanding of spiraling concepts.

Intervention 1st Science

GRADE 1 Science S1 | S2 | YEAR)

In 1st Grade Science, students use inquiry and the five senses to learn about and explore the natural world. Students will develop the skills needed to ask questions and seek out answers, including making predictions and observations, collecting data, and organizing data. Students will explore three main domains of inquiry; life science, Earth and space science, and physical science. In life science, students further their understanding of living versus nonliving things and the basic needs of living things. Earth and space science includes the cycles and systems of the natural world, such as rocks, soil, and water. In physical science, students will investigate and classify matter by its properties, predict changes to materials when they are heated and cooled, describe the importance of light, heat and sound energy, and demonstrate that objects move in different ways. Throughout the course, students engage in asking questions, communicating ideas, and using scientific tools.

Grade 1 continued

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 1 (continued)

Intervention 1st Social Studies

GRADE 1 Social Studies S1 | S2 | YEAR

This course builds on basic concepts introduced in kindergarten. The first two Units will teach students to use geography tools to interpret maps and globes. The focus then shifts to government. Learners will investigate how the United States was formed, survey the structure of our government, and identify and analyze the meaning of national symbols. Students will next study the role of states before learning about citizenship. Unit 8 will introduce learners to patriotic, community, and family customs and traditions. Students will then investigate basic economic concepts including goods, services, choices, spending, and savings before concluding the course with an examination of how technology changes the way humans work and play.

Grade 2

Intervention 2nd Grammar and Penmanship

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as "The Lion and the Mouse" and "Cinderella." It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text's genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author's purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

Intervention 2nd Phonics and Spelling

GRADE 2 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words. It focuses on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Students will use spelling rules learned in 1st grade as well as learn additional rules to help them spell and read a variety of words with increasing complexity. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

Intervention 2nd Reading and Composition

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as "The Lion and the Mouse" and "Cinderella." It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text's genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author's purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

Intervention 2nd Mathematics

GRADE 2 Mathematics S1 | S2 | YEAR

2nd Grade Math extends students' understanding of number concepts and place value up to the number 1,200. The course starts with teaching students to read and write numbers in different forms. Students will compare numbers using symbols (<, >, =) and number lines. Students will also learn about even and odd numbers. The course teaches students addition and subtraction using multiple methods and spiraling. Methods include composing and decomposing numbers with expanded and standard forms, number lines, hundreds charts, place value models, and algorithms. These methods are also applied in solving one- and two-step word problems. Students learn to use mental math to add tens and hundreds. The mental math also helps students better understand place value. Other concepts covered in this course include fractions, multiplication and division, geometric shapes, measurements, time, data from pictographs and bar graphs, money, and financial literacy. Throughout the course, students practice addition and subtraction math facts for numbers up to 20.

Grade 2 continued

B-Intervention

Elementary

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 2 (continued)

Intervention 2nd Science

GRADE 2 Science S1 | S2 | YEAR)

In 2nd Grade Science, students learn and practice fundamental science concepts. It addresses the need for students to read information for themselves, while giving students opportunities for hands-on science investigations. The course carefully introduces students to new vocabulary with support through regular repetition of key words. The students are introduced to scientific investigation and reasoning, as well as science tools and lab rules. Students will learn to identify and demonstrate how to use, conserve, and dispose of natural resources and materials by conserving water and reusing or recycling paper, plastic, and metal. Covered topics include matter, energy, force, motion, natural resources, space, and organisms, such as plants and animals.

Intervention 2nd Social Studies *P*

GRADE 2 Social Studies S1 | S2 | YEAR

2nd Grade Social Studies introduces students to basic government, citizenship, history, economic, cultural, and geographic concepts. This is accomplished as they investigate communities, neighborhoods, holidays, symbols, monuments, the continents and oceans, and the virtues of the free enterprise system. The course begins with a look at rural, suburban, and urban communities. Students then learn about local neighborhoods and the people who live and work in them. The concept of neighborhood expands as the course progresses to include the state, nation, and world. Along the way, students will meet good citizens who helped their communities, including John Hancock, Sojourner Truth, and the Navajo Code Talkers.

Grade 3

Intervention 3rd Language Arts

GRADE 3 Language Arts S1 | S2 | YEAR

This course provides students instruction and practice in reading, comprehending, and analyzing various genres. Students will also learn skills to become stronger writers while creating texts for various purposes. Students will complete basic research tasks. In addition, students will learn spelling, grammar, and conventions to strengthen their writing. They will also learn and practice skills and strategies to build their vocabulary. Students will further their communication skills by listening, speaking, and working with peers. Students will also learn and utilize cursive writing.

Intervention 3rd Mathematics

GRADE 3 Mathematics S1 | S2 | YEAR

The primary focal areas in 3rd Grade Math are place value, operations of whole numbers, and understanding fractional units. Students will learn the purpose of rounding numbers and learn to identify values on a number line. Students will perform the operations of addition, subtraction, multiplication, and division. They will learn and practice multiplication through 10. They will also learn to model division in different ways, including grouping and using arrays. The mathematical strands of algebraic reasoning, geometry and measurement, and data analysis are presented and practiced. The use of tables, graphs, and charts is thoroughly explained, and concepts of financial literacy are also covered.

Intervention 3rd Science *P*

GRADE 3 Science S1 | S2 | YEAR

The study of science in 3rd Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making tables and graphs. Students use tools such as collecting nets, sound recorders, and spring scales to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; describing the forms of energy; investigating how forces cause change; describing rapid changes to Earth's surface; comparing different landforms; creating models of the solar system; understanding the structures of living organisms and how they interact with each other and the environment, and comparing life cycles of different plants and animals.

Intervention 3rd Social Studies *P*

GRADE 3 Social Studies S1 | S2 | YEAR

The theme of 3rd Grade Social Studies is community. Students will compare and contrast different types of communities and discover how cultural diversity adds richness and meaning to life in communities. As the course progresses, students will be introduced to the concept of living in a larger world community. They will learn about heroic men and women who overcame adversity and made their communities better places to live. Students will apply map-reading skills and examine source documents that will help them place communities and events in geographical and historical context. Students will learn that they have a responsibility to improve their communities and will identify ways to participate through nonprofit groups, government, and the free enterprise system.

B-Intervention

Elementary | Middle School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 4

Intervention 4th Language Arts

GRADE 4 Language Arts S1 | S2 | YEAR

Covering 4th Grade ELAR objectives, this course builds upon third-grade skills and vocabulary development. The focus is reading comprehension of main ideas, details, and themes. Students also keep a reading journal and compare different genre elements. Students write narratives and various essays, including a persuasive essay and an informative research paper. They also evaluate graphic elements, media, and speeches. In the area of cooperative learning, students practice good listening and discussion skills. Additionally, they use technology to make a presentation and self-evaluate their performance.

Intervention 4th Mathematics

GRADE 4 Mathematics S1 | S2 | YEAR

The primary focal areas in 4th Grade Math are the use of operations, fractions and decimals, and describing and analyzing geometry and measurement. Students will practice multiplication and divide 4-digit numbers by single-digit divisors. They will also learn about estimating quotients. Students will learn and practice addition and subtraction of fractions. Algebraic concepts will include working with equations and solving multi-step problems. Perimeter and area problems will also be performed. Financial literacy topics are also covered.

Grade 5

Intervention 5th Language Arts

GRADE 5 Language Arts S1 | S2 | YEAR

All standard conventions of English grammar are thoroughly covered. Vocabulary and spelling are spiraled throughout and include word roots, affixes, use of the dictionary, and using context. Students will read and analyze all major genres and be asked to imitate each in their own writing. Students analyze the novel Number the Stars. The students compose all forms of writing required by the state standards and are given detailed instructions in formal research and essays. A section on media literacy is included. Many lessons require peer collaboration. Fluency in reading aloud is taught overtly.

Intervention 5th Mathematics

GRADE 5 Mathematics S1 | S2 | YEAR

5th Grade Math will develop students' mathematical problem-solving skills. Beginning with an overview of place values, students will learn to regroup numbers and estimate sums and differences. Students will learn to multiply and divide numbers with more than one digit. Proficiency will be gained in adding, subtracting, multiplying, and dividing fractions and whole numbers. Students will solve problems using basic numerical and algebraic expressions. Geometry includes lines, angles, polygons, and polyhedrons. Customary and metric measurements will be used to solve problems. Students will organize and present mathematical data using line graphs, scatterplots, bar graphs, and other visual aids. The course concludes with the application of math skills in the study of financial concepts.

Grade 6

Intervention 6th Language Arts

GRADE 6 Language Arts S1 | S2 | YEAR

This course provides an overview in reading/comprehension of various genres including fiction and non-fiction. Students read the novel Hatchet by Gary Paulsen and analyze the main character's development. Various activities emphasize informative and fiction writing, including planning, research, use of organizers, drafting, revision, and editing. Instruction also includes grammar basics and mechanics such as combining sentences and using correct punctuation. Analytical exercises consist of comparing genres, evaluating media, and identifying and using persuasion. Additionally, students practice necessary life skills such as communication and presentation, reflecting on the importance of collaboration in teamwork.

Intervention 6th Mathematics

GRADE 6 Mathematics S1 | S2 | YEAR

Sixth grade math has a primary focus in the area of numbers and their operations, proportionally, expressions and equations, geometry, measurements, and statistics. Students are exposed to concepts, including fractions, decimal operations, and ratios. They learn and practice the geometric principles of area and volume. In algebra, students learn to balance equations, solve inequalities, and perform functions. Students are also taught and given the opportunity to practice statistical representations and interpretation of data. Further topics on financial literacy are also covered in this course.

Grade 4 continued

Middle School | High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grade 7

Intervention 7th Language Arts

GRADE 7 Language Arts S1 | S2 | YEAR

In this course, students will learn and apply new skills in reading, writing, and oral communication. Students will consider the importance of establishing a purpose in reading and identifying themes. Reading assignments include short stories, myths, legends, true stories, and expository texts. Students will read and critique the historical novel Chasing Lincoln's Killer. Students will plan, draft, revise, proofread, edit, and publish a fictional narrative and an expository essay. Students will research reliable sources in order to create a research essay and accompanying multimedia presentation. Exploring the poetic devices of sensory and figurative language, students will create a poem of their own. Students will develop oral communication skills by preparing and presenting persuasive and instructional speeches. The course finishes with an investigation of communication in teamwork and collaboration.

Intervention 7th Mathematics

GRADE 7 Mathematics S1 | S2 | YEAR

This course reviews many concepts of mathematics, and it introduces new concepts of graphing and financial information. Students work with sets and subsets, rational and irrational numbers, and exponents. Other topics include order of operations, additive inverses, and a thorough treatment of decimals. Algebraic concepts include ratios, rates, proportions, equations, and inequalities. Geometry concepts include triangles, circles, and circumferences. Students are taught graphing concepts such as plotting in different forms. Probability is covered, as well as financial topics, including interest, taxes, and budgeting.

Grade 8

Intervention 8th Language Arts

GRADE 8 Language Arts S1 | S2 | YEAR

This course will expand students' reading horizons and communication skills. Investigating narrative, epic, lyric, and free verse poetry, students will develop an appreciation for the sound, structure, and language of poetry. Students will better understand the elements of literature after reading O. Henry's "A Retrieved Reformation," Agatha Christie's Murder on the Orient Express, and William Gibson's The Miracle Worker. Writing projects include creating a personal narrative, a procedural text, and a multimedia research presentation. Students will examine various forms of media and learn to distinguish bias when evaluating a persuasive text. Presenting a persuasive speech, participating in a debate, and practicing formal and informal speaking and listening will enhance students' communication skills.

Intervention 8th Mathematics

GRADE 8 Mathematics S1 | S2 | YEAR

This course emphasizes the application of mathematics to real-life scenarios, helping the student to build skills in problem solving. Its topics include expressions, equations, relationships, proportions, geometric shapes, measurements, and the use of information. Emphasis is given to the interpretation and creation of graphs and charts that express, describe, and apply data. Students are also given instruction in finance, especially in the area of personal financial literacy. This course ensures that students have mastered the basic skills needed to enter high school mathematics courses.

Intervention English 1

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English I launches a four-year journey during which students will confidently master grammar, develop advanced communication skills, and learn to analyze and appreciate challenging literature. The course begins with grammar fundamentals including sentence structure, parts of speech, and phrases and clauses. Students' vocabulary will expand through a study of technology, literary terms, and words with multiple meanings. Culturally diverse texts will emphasize literary elements and techniques while an overview of short and long prose will delve into excerpts from The Odyssey. Reading Animal Farm and Romeo and Juliet will expand the students' literary world. Writing skills will advance as students learn and apply the steps for creating a research paper. The course includes coverage of effective speaking and listening.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Intervention English 2

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English II begins with a major focus on grammar to help students become stronger writers. Students then analyze literary genre elements in various excerpts of classical stories. A major focus is the Greek drama, Antigone, by Sophocles. The novel, To Kill a Mockingbird, by Harper Lee is required with this course to study for analysis, as well. Students compare informational texts and have various writing projects. For example, they write an analytical essay on a short story and a persuasive essay that they also present as a speech. Their research paper is about a topic they choose on the Civil Rights Movement in which they construct a multi-media presentation to accompany it. Additionally, this course includes work-related documents with students constructing their own resumés and letters.

Intervention English 3

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English III, students focus on the development of American Literature and compare it with ideas and forms of literature around the world. Students review the basics of the language arts, then scaffold with practices of increasing complexity to meet the required grade-level objectives of analytical thinking. Engaging in a step-by-step process, students learn to write complex analyses and argumentative papers. Students also learn principles in research, teamwork, discussion, and presentation skills. The text that should accompany the course is the musical, Fiddler on the Roof, by Joseph Stein. This play highlights literary devices as well as the ideas of immigration and cultural assimilation with supporting literature. Additionally, students explore college and career planning as well as tips for dealing with information in technology today.

Intervention English 4

GRADE 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English IV emphasizes the interpretation of various types of literature from different time periods. The genres covered include fiction, drama, and poetry. The dramatic play Cyrano de Bergerac is read and studied for its use of language to convey dilemmas and themes. Poetry studies include a survey of British poetry as well as ancient and modern poetry from various cultures and in various periods. Students are also given a wide range of writing assignments. For example, students produce a fiction story and a script. They also write essays evaluating literary elements. The course also includes research and writing arguments with logic. These various writing assignments help prepare students for end-of-course and SAT essay writing. Coverage is also given to analyzing and evaluating media and speeches, as well as using presentation and discussion skills.

Intervention Algebra 1

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra I is a common starting point for high school math studies. A review of fundamental math skills in unit 1 will ensure students are ready for algebraic concepts. Students' math competence will grow as they learn to solve expressions, functions, and equations by using formulas, ratios, proportions, percentages, and rates. Other concepts include exponents and scientific notation, polynomials and trinomials, multi-step inequalities, slope formulas, and systems of equations and inequalities. Students will solve quadratic functions through various methods including graphing, factoring, square roots, completing the square, and the quadratic equation. Using tables and graphs, students will analyze and organize data and statistics. Students will learn to work and solve exponential, radical, and rational functions and equations. The final unit ties algebraic concepts to the study of geometry.

Intervention Algebra 2

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra II will consolidate and build on students' knowledge acquired in Algebra I. After a review of Algebra I concepts, students will take an in-depth look at linear equations, inequalities, and functions. Students will be introduced to matrices, apply Cramer's Rule in solving linear systems, and solve graphs and equations of conic sections. Using graphs, factoring, and the quadratic formula, students will solve quadratic equations, inequalities, and functions. Students will investigate how to graph, factor, invert and solve polynomials, as well as solve rational expressions, radical expressions, fractional exponents, and rational inequalities. Students will examine the properties, transformations, and applications of exponential and logarithmic functions. Applying probability and data analysis, students will determine probability and model data. The final unit will present trigonometric concepts to prepare students advancing to trigonometry.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Intervention Geometry

GRADE 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course, dealing primarily with two-dimensional Euclidean geometry and solid geometry, promotes the development of logical reasoning skills and is useful in many life situations. Beginning with the fundamental concepts of line segments and angles, students will progress to conditional statements, geometric and algebraic proofs, and line relationships. In studying polygons, students will learn the properties of triangles, quadrilaterals, and circles along with geometrical concepts including the Pythagorean Theorem and the relationship of pi (π) to circumference and area in a circle. In the study of solid geometry, students will learn how to determine area and volume for prisms, cylinders, pyramids, cones, and spheres. Students will apply learned geometric skills in working with ratios, similarities, transformations, and symmetry before concluding the course with an inquiry into the fundamentals of trigonometry.

B-Mastery Based
Catalog

The **B-Mastery Based** curriculum catalog is a true academic accelerator, with dynamic media-rich, digital or print curriculum in core and elective subjects. The curriculum catalog model boasts a proven track record of success with credit recovery, bridging learning gaps, and increasing graduation rates.

The adaptable program can monitor a student's progress, identify learning needs and track mastery of their skills. Students will experience a variety of instructional content that is academically challenging yet visually engaging to stimulate the educational mind and encourage academic discovery.

The lessons and activities are designed to challenge students and stay engaged using modern learning tools that allow advanced students to work at their own pace. With all course catalogs, through the customization features, the curriculum can be adapted to fit the needs of each learning style and address learning gaps in real-time.

The courses are offered as Semesters 1 and 2, as well as Year-long. Each semester contains 5 units on instruction. The courses follow a consistent instructional design containing lessons, activities, quizzes, practice tests, unit tests, and final exams. There are also discussion forums, projects, labs, and SEL (Social/Emotional Learning) content throughout many of the courses. All courses have access to the text-to-speech toolbar.

Each unit folder contains a pre-test. Depending on the student's mastery of objectives on the pre-test, lessons may automatically be excused for the student. Course activities are not excused by the pre-test. Quizzes are intentionally hidden in the course to prevent students from being assessed on content that has already been excused.

Each lesson typically contains lesson objectives, vocabulary, learning text, and check-for-understanding questions. This instructional design allows students to practice the skill of searching for answers in context.

Hidden Items (if applicable)
Unit quizzes, Teacher guide, Lab or project answer keys

Default Weights*

Pre-tests	0%	Unit Tests	45%
Lessons	30%	Practice Tests	0%
Assignments	10%	Final	15%
Quizzes	0%		

Elementary

P **Optional Printed Materials Available**

Grade K

Intervention K Language Arts - Phonics, Spelling, and Penmanship *P*

GRADE K Language Arts S1 | S2 | YEAR

Kindergarten Language Arts introduces students to a variety of literary and informational texts. Students will learn about basic story elements and plot sequences through classic pieces of children's literature. First, students will explore nursery rhymes, such as "Hickory Dickory Dock." Then, students will move on to fables, fairy tales, and folk tales, such as "Sleeping Beauty" and "The Three Little Pigs." This course will also teach students how to use informational texts for learning. Students will learn the parts of a book and how to use text features to gain understanding. In each Unit, students will complete fun activities that bring texts to life. Students will demonstrate their ability to describe stories, make connections, and use standard English conventions in a variety of ways, including speaking and drawing.

Intervention K Language Arts *P*

GRADE K Language Arts S1 | S2 | YEAR

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 68 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Once students can effortlessly read individual words, they are then ready to comprehend sentences. For penmanship, students learn and practice proper sitting posture, correct pencil grip, directions for paper slant, and the steps for writing manuscript. When students can form letters with automaticity and ease, they can focus on what they want to say. Writing by hand creates kinesthetic memories of letters, which also helps students learn how to read.

Intervention K Mathematics *P*

GRADE K Mathematics S1 | S2 | YEAR

Kindergarten Math explores fundamental concepts of numbers, helping students to make connections between concrete objects and numbers. For the numbers 1-20, students learn to recognize word forms, identify and write numerical values, and compare numbers using symbols (<, >, =). Students master counting to 100 and skip counting by tens. Students learn that addition is the joining of numbers, and subtraction is the separation of numbers. The course teaches students addition and subtraction to 10 using models, pictures, number bonds, and number lines. Other concepts covered in this course include shapes and their attributes, measurements, data collection and sorting, picture graphs, and financial literacy. Throughout the course, students get hands-on experience and practice counting with manipulatives, number lines, and charts. Colorful, clear, and engaging visuals are used throughout the course to enhance student learning.

Intervention K Science *P*

GRADE K Science S1 | S2 | YEAR

Kindergarten Science lays the foundation for investigation and reasoning in science. The course includes three main domains; life science, Earth and space science, and physical science. Students will develop a basic understanding of science and skills necessary to conduct experiments, such as how to ask questions, communicate ideas, and make observations using the five senses. Students will engage in life science concepts, including animal parts and characteristics, plants and their life cycle, and basic needs of all living things. In Earth and space science, students will explore patterns in the natural world by observing and comparing different rocks, soil, and water. The course develops the student's understanding of objects in the sky and the patterns they create, such as day and night, seasons, and weather. Students will discover the concepts of matter and energy by exploring the physical properties, location, and motion of objects and materials.

Intervention K Social Studies *P*

GRADE K Social Studies S1 | S2 | YEAR

Kindergarten Social Studies introduces young learners to the social sciences. The course starts with an invitation to learners to investigate how people use jobs to meet basic needs and wants. Next, students will discover how traditions, kinship, and religion shape each family's culture. An introduction to basic map skills is followed by a survey of basic landforms and bodies of water. The course then transitions into a study of the role of leaders, the relationship between government and rules, and an introduction to national symbols including the U.S. flag. Students will discover the meaning behind selected patriotic holidays before concluding the course with a look at how technology affects our lives.

Elementary

P **Optional Printed Materials Available**

Grade 1

Intervention 1st Grammar and Penmanship

GRADE 1 Language Arts FLEX)

1st Grade Grammar and Penmanship teaches students to communicate clearly in writing. Through penmanship instruction, students will learn how to form all lowercase and uppercase manuscript letters. Each penmanship Lesson reinforces the letters, phonograms, and words that are introduced in the corresponding Phonics and Spelling Lesson. Through grammar instruction, students will learn the purpose of words, sentences, and punctuation. Students begin by learning about parts of speech and parts of sentences and build up to whole sentences and punctuation rules. Throughout the course, students will construct their own writing handbook. The handbook will include examples of manuscript letters as well as grammar terms and rules. The course culminates in students writing correspondences to authentically practice grammar and penmanship.

Intervention 1st Phonics and Spelling

GRADE 1 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. Students will use spelling rules learned in kindergarten as well as learn additional rules to help them spell and read a variety of words. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

Intervention 1st Reading and Composition

GRADE 1 Language Arts FLEX)

In 1st Grade Reading and Composition, students will explore the patterns of literary and informational texts. The course begins by providing explicit instructions for academic vocabulary and comprehension skills. Then, each Unit guides students through the process of close reading. Students will read a variety of literature, including fun and classic pieces such as “Twinkle, Twinkle, Little Star” and “Goldilocks and the Three Bears.” Students will practice using reading strategies to understand the literal meaning and purpose of a text. Students will also learn how to use evidence to make predictions and inferences about texts. At the end of each Unit, students will apply their learning of texts by composing their own texts.

Intervention 1st Mathematics

GRADE 1 Mathematics S1 | S2 | YEAR

In 1st Grade Math, students will extend their understanding of number concepts from 0 to 120. The course starts with a review of kindergarten concepts and introduces place value. Students will compare numbers using symbols (<, >, =) and number lines. The course teaches students addition and subtraction using multiple methods. The methods include composing and decomposing numbers with number bonds, number lines, hundreds charts, doubles, doubles plus one, ten less ten more, place value models, expanded and standard forms, and algorithms. These methods are also used for missing values and story problems. Other concepts covered in this course include shapes and solids, fractions, measurements of length and time, data collection, pictographs and bar graphs, and financial literacy and U.S. currency. Throughout the course, students practice addition and subtraction math facts for numbers up to 20. Each Unit also has hands-on activities and projects to further students’ understanding of spiraling concepts.

Intervention 1st Science

GRADE 1 Science S1 | S2 | YEAR)

In 1st Grade Science, students use inquiry and the five senses to learn about and explore the natural world. Students will develop the skills needed to ask questions and seek out answers, including making predictions and observations, collecting data, and organizing data. Students will explore three main domains of inquiry; life science, Earth and space science, and physical science. In life science, students further their understanding of living versus nonliving things and the basic needs of living things. Earth and space science includes the cycles and systems of the natural world, such as rocks, soil, and water. In physical science, students will investigate and classify matter by its properties, predict changes to materials when they are heated and cooled, describe the importance of light, heat and sound energy, and demonstrate that objects move in different ways. Throughout the course, students engage in asking questions, communicating ideas, and using scientific tools.

Grade 1 continued

Elementary

P **Optional Printed Materials Available**

Grade 1 (continued)

Intervention 1st Social Studies

GRADE 1 Social Studies S1 | S2 | YEAR

This course builds on basic concepts introduced in kindergarten. The first two Units will teach students to use geography tools to interpret maps and globes. The focus then shifts to government. Learners will investigate how the United States was formed, survey the structure of our government, and identify and analyze the meaning of national symbols. Students will next study the role of states before learning about citizenship. Unit 8 will introduce learners to patriotic, community, and family customs and traditions. Students will then investigate basic economic concepts including goods, services, choices, spending, and savings before concluding the course with an examination of how technology changes the way humans work and play.

Grade 2

Intervention 2nd Grammar and Penmanship

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as "The Lion and the Mouse" and "Cinderella." It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text's genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author's purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

Intervention 2nd Phonics and Spelling

GRADE 2 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words. It focuses on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Students will use spelling rules learned in 1st grade as well as learn additional rules to help them spell and read a variety of words with increasing complexity. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

Intervention 2nd Reading and Composition

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as "The Lion and the Mouse" and "Cinderella." It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text's genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author's purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

Intervention 2nd Mathematics

GRADE 2 Mathematics S1 | S2 | YEAR

2nd Grade Math extends students' understanding of number concepts and place value up to the number 1,200. The course starts with teaching students to read and write numbers in different forms. Students will compare numbers using symbols (<, >, =) and number lines. Students will also learn about even and odd numbers. The course teaches students addition and subtraction using multiple methods and spiraling. Methods include composing and decomposing numbers with expanded and standard forms, number lines, hundreds charts, place value models, and algorithms. These methods are also applied in solving one- and two-step word problems. Students learn to use mental math to add tens and hundreds. The mental math also helps students better understand place value. Other concepts covered in this course include fractions, multiplication and division, geometric shapes, measurements, time, data from pictographs and bar graphs, money, and financial literacy. Throughout the course, students practice addition and subtraction math facts for numbers up to 20.

Grade 2 continued

Elementary

P **Optional Printed Materials Available**

Grade 2 (continued)

Intervention 2nd Science

GRADE 2 Science S1 | S2 | YEAR)

In 2nd Grade Science, students learn and practice fundamental science concepts. It addresses the need for students to read information for themselves, while giving students opportunities for hands-on science investigations. The course carefully introduces students to new vocabulary with support through regular repetition of key words. The students are introduced to scientific investigation and reasoning, as well as science tools and lab rules. Students will learn to identify and demonstrate how to use, conserve, and dispose of natural resources and materials by conserving water and reusing or recycling paper, plastic, and metal. Covered topics include matter, energy, force, motion, natural resources, space, and organisms, such as plants and animals.

Intervention 2nd Social Studies *P*

GRADE 2 Social Studies S1 | S2 | YEAR

2nd Grade Social Studies introduces students to basic government, citizenship, history, economic, cultural, and geographic concepts. This is accomplished as they investigate communities, neighborhoods, holidays, symbols, monuments, the continents and oceans, and the virtues of the free enterprise system. The course begins with a look at rural, suburban, and urban communities. Students then learn about local neighborhoods and the people who live and work in them. The concept of neighborhood expands as the course progresses to include the state, nation, and world. Along the way, students will meet good citizens who helped their communities, including John Hancock, Sojourner Truth, and the Navajo Code Talkers. Grade 3

3rd Art *P*

GRADE 3 Electives S1 | S2 | YEAR

The study of art in 3rd Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

3rd Health *P*

GRADE 3 Electives S1 | S2 | YEAR

The 3rd Grade Health course builds on the knowledge and skills learned in the second grade. In this course, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, this course helps students learn personal/interpersonal skills needed to promote individual, family, and community health. Several projects help the student expand health thinking and practice skills learned in the course.

3rd Music *P*

GRADE 3 Electives S1 | S2 | YEAR

The study of music in 3rd Grade focuses on basic sight-reading skills, performing folk dances, and learning the history of folk music in America. Students will learn to play songs in 2/4 and 4/4 time signatures on the soprano recorder. Virtual games teach students to listen for changes in dynamics, count the number of beats, and recognize where measures start and end. By the end of the year, students will know how to read music and play the recorder. They will also know how to clog-dance and how to behave during a formal music concert. The goal of the 3rd Grade Music course is to learn musical performance, active listening skills, and mindfulness in a fun and relaxed environment.

3rd Language Arts *P*

GRADE 3 Language Arts S1 | S2 | YEAR

This course provides students instruction and practice in reading, comprehending, and analyzing various genres. Students will also learn skills to become stronger writers while creating texts for various purposes. Students will complete basic research tasks. In addition, students will learn spelling, grammar, and conventions to strengthen their writing. They will also learn and practice skills and strategies to build their vocabulary. Students will further their communication skills by listening, speaking, and working with peers. Students will also learn and utilize cursive writing.

Grade 3 continued

Elementary

P **Optional Printed Materials Available**

Grade 3 (continued)

3rd Mathematics *P*

GRADE 3 Mathematics S1 | S2 | YEAR

The primary focal areas in 3rd Grade Math are place value, operations of whole numbers, and understanding fractional units. Students will learn the purpose of rounding numbers and learn to identify values on a number line. Students will perform the operations of addition, subtraction, multiplication, and division. They will learn and practice multiplication through 10. They will also learn to model division in different ways, including grouping and using arrays. The mathematical strands of algebraic reasoning, geometry and measurement, and data analysis are presented and practiced. The use of tables, graphs, and charts is thoroughly explained, and concepts of financial literacy are also covered.

3rd Science *P*

GRADE 3 Science S1 | S2 | YEAR

The study of science in 3rd Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making tables and graphs. Students use tools such as collecting nets, sound recorders, and spring scales to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; describing the forms of energy; investigating how forces cause change; describing rapid changes to Earth's surface; comparing different landforms; creating models of the solar system; understanding the structures of living organisms and how they interact with each other and the environment, and comparing life cycles of different plants and animals.

3rd Social Studies *P*

GRADE 3 Social Studies S1 | S2 | YEAR

The theme of 3rd Grade Social Studies is community. Students will compare and contrast different types of communities and discover how cultural diversity adds richness and meaning to life in communities. As the course progresses, students will be introduced to the concept of living in a larger world community. They will learn about heroic men and women who overcame adversity and made their communities better places to live. Students will apply map-reading skills and examine source documents that will help them place communities and events in geographical and historical context. Students will learn that they have a responsibility to improve their communities and will identify ways to participate through nonprofit groups, government, and the free enterprise system.

Grade 4

4th Art *P*

GRADE 4 Electives S1 | S2 | YEAR

The study of art in 4th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

4th Health *P*

GRADE 4 Electives S1 | S2 | YEAR

In 4th Grade Health, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. In addition to learning age-specific health information on a variety of health topics, students learn how their behaviors affect their body systems. Students are taught the consequences of unsafe behaviors while using social skills to deal with peer pressure and communicate effectively.

Grade 4 continued

Elementary | Middle School

P **Optional Printed Materials Available**

Grade 4 (continued)

4th Music *P*

GRADE 4 Electives S1 | S2 | YEAR

The study of music in 4th Grade opens the gateway into exciting development. Building upon the basics covered in 3rd Grade (while still teaching these basics in order to function as a stand-alone course), 4th Grade music allows students the opportunity to learn how music recording and distribution has changed over the years. Students will learn to conduct and play music on the recorder in 2/4, 3/4, and 4/4 time signatures while also learning different musical forms. 4th Grade music has a focus on Texas heritage, noting the influence of Mexican-American, African- American, and European immigrant culture on the music and dancing of the state. Students will listen to great examples of music from a variety of instruments, historical recordings, and cultures as their understanding and respect for different varieties of music increases.

4th Language Arts *P*

GRADE 4 Language Arts S1 | S2 | YEAR

Covering 4th Grade ELAR objectives, this course builds upon third-grade skills and vocabulary development. The focus is reading comprehension of main ideas, details, and themes. Students also keep a reading journal and compare different genre elements. Students write narratives and various essays, including a persuasive essay and an informative research paper. They also evaluate graphic elements, media, and speeches. In the area of cooperative learning, students practice good listening and discussion skills. Additionally, they use technology to make a presentation and self-evaluate their performance.

4th Mathematics *P*

GRADE 4 Mathematics S1 | S2 | YEAR

The primary focal areas in 4th Grade Math are the use of operations, fractions and decimals, and describing and analyzing geometry and measurement. Students will practice multiplication and divide 4-digit numbers by single-digit divisors. They will also learn about estimating quotients. Students will learn and practice addition and subtraction of fractions. Algebraic concepts will include working with equations and solving multi-step problems. Perimeter and area problems will also be performed. Financial literacy topics are also covered.

4th Science *P*

GRADE 4 Science S1 | S2 | YEAR

The study of science in 4th Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making graphs. Students use tools such as beakers, compasses, and balances to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; predicting how matter changes with heating and cooling; describing the forms of energy and its cycles; understanding slow changes to Earth's surface; recognizing weather patterns and using weather maps; understanding the structures and relationships of living organisms and their environment; illustrating and comparing life cycles of different plants and animals; and investigating patterns in the Sun, Earth, Moon system, including shadows and lunar phases.

Grade 5

5th Art *P*

GRADE 5 Electives S1 | S2 | YEAR

The study of art in 5th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

5th Health *P*

GRADE 5 Electives S1 | S2 | YEAR

In 5th Grade Health, the students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, students are taught about the human body and the changes that come with puberty. Students are taught how to maintain healthy body systems and prevent disease. Students also learn how technology and the media influence personal health and how to apply problem-solving skills to improve or protect their health.

Grade 5 continued

Elementary | Middle School

P **Optional Printed Materials Available**

Grade 5 (continued)

5th Music *P*

GRADE 5 Electives S1 | S2 | YEAR

The study of music in 5th Grade integrates singing into the student's musical experience. The 5th Grade course enhances sight singing skills by adding in new examples with different key signatures and compound time signatures. Musical form is taught through activities that allow students to express themselves and talk freely about the music and films they prefer, while also providing the critical vocabulary needed to describe this music in a more polished manner. Cultural representation is a key factor in 5th Grade Music, with African-American, Native-American, American Sign Language, and European immigrant representation. Students will finish the 5th Grade Music course with a greater understanding and appreciation for the music of the different cultures around them.

5th Language Arts *P*

GRADE 5 Language Arts S1 | S2 | YEAR

All standard conventions of English grammar are thoroughly covered. Vocabulary and spelling are spiraled throughout and include word roots, affixes, use of the dictionary, and using context. Students will read and analyze all major genres and be asked to imitate each in their own writing. Students analyze the novel Number the Stars. The students compose all forms of writing required by the state standards and are given detailed instructions in formal research and essays. A section on media literacy is included. Many lessons require peer collaboration. Fluency in reading aloud is taught overtly.

5th Mathematics *P*

GRADE 5 Mathematics S1 | S2 | YEAR

5th Grade Math will develop students' mathematical problem-solving skills. Beginning with an overview of place values, students will learn to regroup numbers and estimate sums and differences. Students will learn to multiply and divide numbers with more than one digit. Proficiency will be gained in adding, subtracting, multiplying, and dividing fractions and whole numbers. Students will solve problems using basic numerical and algebraic expressions. Geometry includes lines, angles, polygons, and polyhedrons. Customary and metric measurements will be used to solve problems. Students will organize and present mathematical data using line graphs, scatterplots, bar graphs, and other visual aids. The course concludes with the application of math skills in the study of financial concepts.

5th Science *P*

GRADE 5 Science S1 | S2 | YEAR

The study of science in 5th Grade includes conducting descriptive and experimental investigations using scientific methods, analyzing data, and making models. Students use tools such as beakers, magnets, and spring scales to collect, analyze, and record information. In this integrated science course, students classify matter by its physical properties; describe the forms of energy and its cycles; investigate how forces cause change; diagram changes to Earth's surface; compare Earth's renewable and nonrenewable resources; understand the structures of living organisms and how they interact with each other and the environment; and recognize patterns in the Sun, Earth, Moon system.

5th Social Studies *P*

GRADE 5 Social Studies S1 | S2 | YEAR

The 5th Grade Social Studies students will engage in a broad survey of U.S. history. Beginning with the discovery of the Western Hemisphere during the Age of Discovery, students will follow the transformation of the United States from a wilderness in the 17th century to a world power during the 20th century. Students will examine founding documents and analyze how government, political parties, and the free enterprise system have shaped the development of the United States. Geographical skills will be tested as students memorize the location of all 50 states and the names of their capitals. In addition, students will examine their rights and duties as citizens and analyze the impact of technology and culture on the lives of Americans.

Grade 6

6th Health P

GRADE 6 Electives S1 | S2 | YEAR

In 6th grade Health, students are encouraged to continue good health practices learned at home. These practices include hygiene, nutrition, medical and dental care, and personal health choices. Coverage is given to sorting through information to make choices among health products. Attention is given to navigating social pressures, puberty, and reproductive processes. Students are given the opportunity to refine their critical thinking skills by evaluating the consequences of their decisions and actions. They are guided to understand that their decisions have consequences not only to themselves, their friends and families, but also to the community at large. By learning to find and evaluate health materials and understand the consequences of their actions, students are being equipped to make good choices and ensure good health throughout their lives.

Grade 6 continued

Middle School

P **Optional Printed Materials Available**

Grade 6 (continued)

6th Language Arts P

GRADE 6 Language Arts S1 | S2 | YEAR

This course provides an overview in reading/comprehension of various genres including fiction and non-fiction. Students read the novel Hatchet by Gary Paulsen and analyze the main character's development. Various activities emphasize informative and fiction writing, including planning, research, use of organizers, drafting, revision, and editing. Instruction also includes grammar basics and mechanics such as combining sentences and using correct punctuation. Analytical exercises consist of comparing genres, evaluating media, and identifying and using persuasion. Additionally, students practice necessary life skills such as communication and presentation, reflecting on the importance of collaboration in teamwork

6th Mathematics P

GRADE 6 Mathematics S1 | S2 | YEAR

Sixth grade math has a primary focus in the area of numbers and their operations, proportionally, expressions and equations, geometry, measurements, and statistics. Students are exposed to concepts, including fractions, decimal operations, and ratios. They learn and practice the geometric principles of area and volume. In algebra, students learn to balance equations, solve inequalities, and perform functions. Students are also taught and given the opportunity to practice statistical representations and interpretation of data. Further topics on financial literacy are also covered in this course.

6th Science *P*

GRADE 6 Science S1 | S2 | YEAR

6th Grade Science is an integrated course surveying essential concepts in physics, geology, chemistry, astronomy, and biology. Students will investigate elements and compounds while learning the basics of chemistry. Students will examine different forms of energy and the laws of motion. An investigation of the structure of the earth will precede a study of the characteristics and properties of rocks, minerals, and fossils. A study of astronomy, including galaxies, stars, and the solar system will provide a context in which students will consider the history and future of space exploration. The course concludes with an inquiry into cells, classification, and ecology. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

6th Social Studies *P*

GRADE 6 Social Studies S1 | S2 | YEAR

The World Cultures course seeks to expand the knowledge of students beyond their local community to appreciate the diversity of the world at large. The course begins with a survey of ancient civilizations and the development of the Middle East's three major religions. In unit 2, students will study the classical foundations of Western civilization and survey European nations. Unit 3 surveys American history, culture, and the role of citizens. The remainder of the course takes students on a whirlwind tour of dozens of many nations around the world, exploring the history, geography, governmental systems, customs, and cuisine of each.

Grades 6, 7, 8

Middle School Art *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

The study of Middle School Art integrates visual literacy skills using critical thinking, imagination, and the senses to explore the world through the use of elements of art and principles of design. The student explores ideas from life experiences about self, peers, family, and community and uses the imagination to integrate them into original works of art. Creative expression is emphasized throughout the course as numerous works of art will be created using several art mediums such as drawings, paintings, prints, sculptures, modeled forms, fiber works, mixed media, installation work, digital art, and photography. Historical and cultural relevance in art is explored while analyzing styles, historical periods, and a variety of cultures. The course explores critical evaluation and response to the artworks of the student and others. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

Grades 6, 7, 8 continued

Middle School

P **Optional Printed Materials Available**

Grades 6, 7, 8 (continued)

Middle School Health *P*

GRADES 6, 7, 8 Elective S1 | S2 | YEAR

This course is designed to give middle school students the information they need to have health for a lifetime. This includes how to make good decisions about health. Issues covered include eating disorders, stress-related emotional disorders, coping with stress, peer pressure, relationships, as well as use and misuse of prescription, illegal, and OCT drugs. Adolescence and puberty are presented. The course also presents safety and first aid, including first on-scene responses such as CPR, choking rescue, and use of an AED. Students are given instruction on avoiding danger, abuse, and violence. This discussion includes information about gangs and weapons. Students are given tools to enhance their own social skills and improve their outlook for personal and community health. They are taught the importance of respect for themselves and others, including preventing bullying behavior. Students are exposed to long-term strategies and goal setting, as well as career information and outlooks in health-related industries.

Middle School Investigating Careers *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

Middle School Music *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

Taking a more classical approach, the study of music in middle school teaches students the instruments of the orchestra and the classical voice ranges with exemplary performance examples. Students will also learn how to notate musical scores, sight-read using solfège and Curwen hand signs, and critically compare art music performances. Students enrolled in the middle school music course will understand the difference between a genre and a style and the parts of sonata form. The middle school music course also introduces a more expansive world view of music with entertaining and interactive tools for learning.

Middle School Theater *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In Middle School Theater, students incorporate the study of theater, dialog, music, and dance to offer unique experiences that help students explore realities, relationships, and ideas. The foundations of theater include inquiry and understanding, creative expression, historical and cultural relevance, and critical evaluation and response. Through these foundations, students develop a perception of self, human relationships, and the world using elements of drama and conventions of theater. Through projects and exercises, students communicate in a dramatic form, engage in artistic thinking, build positive self-concepts, relate interpersonally, and integrate knowledge with other content areas in a relevant manner. Through the study of historical and cultural relevance, students increase their understanding of heritage and traditions in theater and the diversity of world cultures as expressed in theater. Through critical evaluation and response, students develop the ability to appreciate and evaluate live theater.

Grade 7

7th Language Arts (2nd Edition) *P*

GRADE 7 Language Arts S1 | S2 | YEAR

In this course, students will learn and apply new skills in reading, writing, and oral communication. Students will consider the importance of establishing a purpose in reading and identifying themes. Reading assignments include short stories, myths, legends, true stories, and expository texts. Students will read and critique the historical novel Chasing Lincoln's Killer. Students will plan, draft, revise, proofread, edit, and publish a fictional narrative and an expository essay. Students will research reliable sources in order to create a research essay and accompanying multimedia presentation. Exploring the poetic devices of sensory and figurative language, students will create a poem of their own. Students will develop oral communication skills by preparing and presenting persuasive and instructional speeches. The course finishes with an investigation of communication in teamwork and collaboration.

Grade 7 continued

Middle School

P **Optional Printed Materials Available**

Grade 7 (continued)

7th Mathematics (2nd Edition) *P*

GRADE 7 Mathematics S1 | S2 | YEAR

This course reviews many concepts of mathematics, and it introduces new concepts of graphing and financial information. Students work with sets and subsets, rational and irrational numbers, and exponents. Other topics include order of operations, additive inverses, and a thorough treatment of decimals. Algebraic concepts include ratios, rates, proportions, equations, and inequalities. Geometry concepts include triangles, circles, and circumferences. Students are taught graphing concepts such as plotting in different forms. Probability is covered, as well as financial topics, including interest, taxes, and budgeting.

7th Science P

GRADE 7 Science S1 | S2 | YEAR

The 7th Grade Science course will deepen students' understanding of life science. The course begins with the basic building blocks of life—cells. A unit on genetics will challenge students to investigate how DNA, genes, and proteins affect reproduction. Students will learn about different life processes and the importance of water, nitrogen, and carbon cycles. Students will analyze the effect of climate and weather on life and the environment. An investigation into human body systems, including the skeletal, respiratory, and immune systems, precedes the concluding unit on ecology where students will learn how living things interact with their environments. Throughout the course, there are lab investigations to reinforce science concepts and skills.

7th Social Studies *P*

GRADE 7 Social Studies S1 | S2 | YEAR

This course introduces students to basic geography of the continents, including boundaries, rivers, and landforms. Students are introduced to the early history of people groups, including civilizations in Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. The languages, art, literature, societies, and way of life of these cultures are covered. The rise and fall of world kingdoms is discussed, ending with the fall of Rome in 476. Further studies into subsequent civilizations include the Byzantine Empire, rise of nations, and events in the world through the Renaissance and Reformation. Information is presented concerning the rise of many different world cultures.

Grade 8

8th Language Arts (2nd Edition) *P*

GRADE 8 Language Arts S1 | S2 | YEAR

This course will expand students' reading horizons and communication skills. Investigating narrative, epic, lyric, and free verse poetry, students will develop an appreciation for the sound, structure, and language of poetry. Students will better understand the elements of literature after reading O. Henry's "A Retrieved Reformation," Agatha Christie's Murder on the Orient Express, and William Gibson's The Miracle Worker. Writing projects include creating a personal narrative, a procedural text, and a multimedia research presentation. Students will examine various forms of media and learn to distinguish bias when evaluating a persuasive text. Presenting a persuasive speech, participating in a debate, and practicing formal and informal speaking and listening will enhance students' communication skills.

8th Mathematics (2nd Edition) *P*

GRADE 8 Mathematics S1 | S2 | YEAR

This course emphasizes the application of mathematics to real-life scenarios, helping the student to build skills in problem solving. Its topics include expressions, equations, relationships, proportions, geometric shapes, measurements, and the use of information. Emphasis is given to the interpretation and creation of graphs and charts that express, describe, and apply data. Students are also given instruction in finance, especially in the area of personal financial literacy. This course ensures that students have mastered the basic skills needed to enter high school mathematics courses.

Grade 8 continued

Middle School

P **Optional Printed Materials Available**

Grade 8 (continued)

8th Science (2nd Edition) *P*

GRADE 8 Science S1 | S2 | YEAR

8th Grade Science will challenge students with an integrated study of earth, physical, and biological sciences. Students will analyze the relationship between the Earth, Sun, and Moon. Students will better understand the changing earth as they survey physical processes, such as erosion and weathering, and the characteristics of rocks and minerals. A unit on oceanography will introduce students to the geological, chemical, and biological aspects of the ocean. Students will consider the fundamentals of matter and energy along with the application of energy, force, and motion in physics. Units on plant and animal biology will introduce students to the importance of habitats and earth cycles in sustaining life. The course concludes with a look at the human impact on the earth. Throughout the course, there are lab investigations to reinforce science concepts and skills.

8th Social Studies *P*

GRADE 8 Social Studies S1 | S2 | YEAR

This course employs an integrative approach to the teaching of U.S. history with an emphasis on geography, government, economics, culture, science, and technology. Students will learn how early explorations and development of the first colonies led to the union of 13 states as one nation. Students will examine and analyze important founding documents including the Declaration of Independence and the U.S. Constitution. A survey of the events will reveal how Americans embraced the idea of Manifest Destiny and expanded the nation across North America. Students will follow and analyze the complex issues leading up to the American Civil War. The course concludes with a look at post-war issues.

B-Credit Recovery
Catalog

The **B-Credit Recovery** curriculum catalog is a true academic accelerator, with dynamic media-rich, digital or print curriculum in core and elective subjects. The curriculum catalog model boasts a proven track record of success with credit recovery, bridging learning gaps, and increasing graduation rates.

The adaptable program can monitor a student's progress, identify learning needs and track mastery of their skills. Students will experience a variety of instructional content that is academically challenging yet visually engaging to stimulate the educational mind and encourage academic discovery.

The lessons and activities are designed to challenge students and stay engaged using modern learning tools that allow advanced students to work at their own pace. With all course catalogs, through the customization features, the curriculum can be adapted to fit the needs of each learning style and address learning gaps in real-time.

The courses are offered as Semesters 1 and 2, as well as Year-long. Each semester contains 5 units on instruction. The courses follow a consistent instructional design containing lessons, activities, quizzes, practice tests, unit tests, and final exams. There are also discussion forums, projects, labs, and SEL (Social/Emotional Learning) content throughout many of the courses. All courses have access to the text-to-speech toolbar.

Each unit folder contains a pre-test. Depending on the student's mastery of objectives on the pre-test, lessons may automatically be excused for the student. Course activities are not excused by the pre-test. Quizzes are intentionally hidden in the course to prevent students from being assessed on content that has already been excused.

Each lesson typically contains lesson objectives, vocabulary, learning text, and check-for-understanding questions. This instructional design allows students to practice the skill of searching for answers in context.

Hidden Items (if applicable)
Unit quizzes, Teacher guide, Lab or project answer keys

Default Weights*

Pre-tests	0%	Unit Tests	45%
Lessons	30%	Practice Tests	0%
Assignments	10%	Final	15%
Quizzes	0%		

*Weights can easily be adjusted to teacher's preference

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12

Accounting I *P*

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

In the Accounting I for high school, students will learn a basic overview of the different functions in accounting. This includes rules for financial reporting and the parts of the balance sheet, income statement, and statement of stockholders' equity and retained earnings. Students will then be guided through the accounting cycle, learning how to create these documents and utilize them within a corporation. Students will journalize payments and invoices in accounts payable and accounts receivable, understand the different methods of inventory, and calculate payroll and taxes. Students will complete the course with the Accountant Simulation Project, an assignment where they will fulfill all steps of the accounting cycle without guidance and then present a completed cycle with notes for future opportunities for their simulated corporations.

Advertising *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

The Advertising course teaches the principles and practices of advertising as an integral part of marketing communication. The course begins with a look at the professional opportunities available in the advertising field. Students are asked to consider environmental, ethical, and other professional responsibilities. They learn about the marketing research process and the components of advertising using the PESO model. Students apply demographics, segmentation, and the four major sales channels to define target markets and make a sales presentation. In the final Module, students use the knowledge gained about the product cycle to complete a final project simulating a promotional campaign for a new product.

Anatomy and Physiology *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

Anatomy and Physiology introduces students to the structures and functions of the amazing body. Students learn about different organ systems and how they work together to maintain life. Some of these organ systems include the circulatory, digestive, integumentary reproductive, and respiratory systems. Students examine different diseases that affect these systems and the treatments (both traditional and new) used to fight these diseases. The development and effects of aging on the different organ systems are explored throughout Anatomy and Physiology.

Art History *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

Art History will help students develop skills to recognize and appreciate the diversity of art. The course begins with prehistoric and ancient art before introducing students to the classical art of the Greeks and Romans. Students will survey medieval art before exploring the glory days of art and architecture, the Renaissance. The use of light and shadow to evoke emotion during the Baroque period will impress students as will the whimsical style of the Rococo period. Students will contrast the Neoclassical return to idealized subjects with the Romantic era's imagination. Appreciation of art will grow as students study Impressionist and Post-Impressionist artists such as Monet and Van Gogh. The course concludes with students tracing modern art movements, including expressionism, minimalism, as well as conceptual art and artists, including Rodin, Picasso, Mondrian, and O'Keeffe.

Audio Video Production *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

Audio/Video Production I explores foundational principles in both audio design and video production. This course is broken down into four primary sections: preproduction, principal photography, postproduction, and career preparation/portfolio development. Each section focuses on the primary elements found in each phase of production. Preproduction explores topics such as script and storyboard development, production documents, and production planning. Principal photography analyzes key crew roles associated with audio and video production, like the director, sound designer, producer, and actors, as well as shooting techniques, camera gear, and on-set safety. Postproduction delves into topics such as video editing, copyright laws, and sound mixing and design. The course concludes by having the student create an audio/video portfolio, résumé, and cover letter to prepare for entry into college and the professional world."""

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Bible Literacy New Testament *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

The New Testament (NT) course will equip students with a basic literacy of the NT scriptures. To begin, students will explore the history and characteristics of the NT, survey each book, and recognize the centrality of Jesus of Nazareth. An inquiry into the Christian era will inform students of the NT impact on children, slavery, women, marriage, and education. Students will investigate the profound influence of the NT on politics, limited government, and the concept of justice as seen in important American events including the American Revolution and the U.S. Constitution. Students will understand the effect of the NT on literature after reading selections from Great Expectations, Uncle Tom's Cabin, and other literature. The course will conclude with an examination of artwork related to NT events including the life, death, and resurrection of Jesus Christ."

Bible Literacy Old Testament *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

"The Old Testament (OT) course will equip students with a basic literacy of the Hebrew scriptures. The course will begin with an examination of the major divisions, authorship, and translations of the OT before surveying each individual book. The second Unit will examine the impact of the OT on worldview, society and morals, family, human fallibility, modern science, and the value of human life. Students will recognize the impact of Hebrew scriptures on important events and historical documents including the Reformation, the Magna Carta, and the U.S. Constitution. Next, students will probe the influence of the OT on language, culture, and literature, including idioms, Shakespeare's Macbeth, Handel's Messiah, Milton's epic poem Paradise Lost, and spirituals. The course will conclude by introducing students to the influence of the OT on artworks, including The Creation of Adam by Michelangelo."

Business Management *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

Business Management is an integral part of the Business, Marketing, and Finance Career and Technical Education clusters. Students will examine evolving views of management with an emphasis on leadership. Next, students will consider ethical case studies and analyze the strengths and weaknesses of various organizational structures. In units 4 through 6, students will analyze the decision-making process as it applies to management issues, such as quality control and improving communication. Beginning with unit 7, students will investigate employee compensation and legal matters concerning hiring and firing. The course concludes with a presentation of practical tools to build one's personal habits and to nurture team building.

Career Preparation *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Career Prep, students are given tools to be successful in future careers. The career clusters and their associated career paths are the focus of the course. Students will learn how to survey the job market, fill out paperwork, and thrive in the workplace. Students will create an electronic portfolio throughout the course. The portfolio includes letters of interest to employers, resumés and cover letters, interview preparation documents, a career plan, as well as other reports. The course is designed for students who are currently working and can leverage real-life experience into their course projects.

Child Development *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

Child Development prepares students to understand the physical, social, emotional, and intellectual growth and development of children. The course is designed to help young people acquire knowledge and skills essential to the care and guidance of children as a parent or caregiver. Emphasis is on helping students create an environment for children that will promote optimum development. Students also investigate careers in child development.

Counseling and Mental Health *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

This course is a Career and Technical Education course for use in the Health Science or Human Services career pathways. The course covers general topics for personal and professional development (soft skills), such as time management, critical thinking, and problem-solving, communication, team building, ethics, and character. It also focuses on many mental health topics, including the history of mental health care, modern mental health care systems, the nervous system, mental health across life stages, stress, depression, and other mental disorders. Students research the professional development of workers in the mental health field, such as the scope of practice, ways to recognize abuse, and methods for adapting to change. Student and professional organizations for career development are discussed as well. The course ends with activities exploring careers and researching training opportunities.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Entrepreneurship *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Entrepreneurship course is designed to grow the student's passion for starting, growing, and excelling in business ventures. The student will explore the basics of starting a business, from brainstorming great concepts to execution and profitability. Entrepreneurship includes more than just starting businesses, but explores the ventures of product development, marketing, distribution, and sales. The student will expand his or her knowledge in the areas of proper product and service pricing, financial planning and growth, accounting and bookkeeping, fundraising, marketing research, and business law. The course asks the student to practice the knowledge and skills he or she has gained by developing and writing a business plan for their very own business venture. The student will gain a complete understanding of what it takes to make a business a success and possibly gain a desire to actually start a company from scratch.

Investigating Careers *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

Lifetime Fitness and Wellness Pursuits *P*

GRADES 9, 10, 11, 12 Electives SEM

Lifetime Fitness and Wellness Pursuits guides the student through a variety of topics relating to physical activities and methods for pursuing a healthy lifestyle. This course is structured to provide both academic knowledge relating to fitness and participation in a variety of physical activities. Subjects studied include biomechanical principles, fitness and equipment safety, anaerobic and aerobic exercises, hydration best practices, social and emotional health, and more. Fitness projects focus on topics including power, speed, reaction time, cardiovascular health, teamwork, and warm up and cool down techniques. Finally, the student will develop both personal nutrition and fitness plans to be consistently utilized within daily life.

Logic 1 *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

The Logic I course will improve the critical thinking skills of students through the study of informal logic. The course will challenge students to evaluate whether humans are rational or emotional beings. The majority of the course explores occurrences of faulty reasoning known as logical fallacies. Students will learn to recognize and expose fallacies when evaluating and critiquing arguments. Fallacies covered include appeal to fear, irrelevant thesis, straw man, false analogy, red herring, and misuse of statistics. Students will apply the study of types, components, and principles of argumentative dialogue in preparing a dialogue of their own. During the course, students will consider and analyze Aesop's Fables and "The Cave" by Plato. The course concludes with a comprehensive review of fallacies and a preview of formal logic.

Logic 2 *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

Logic II introduces the student to the world of Aristotelian formal logic. Students will use classical tools, including the Porphyrian tree and Euler's circles to translate arguments into propositions organized within the categorical form. Students will also learn to analyze the validity of arguments using the square of opposition, terminological rules, Venn diagrams, and the Barbara, Celarent, Darii, Ferio mnemonic. The course concludes with an evaluation of presuppositional disputes and a survey of hypothetical syllogisms.

Medical Microbiology *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

Medical Microbiology explores the world of tiny (micro) organisms that are responsible for making people sick. Students learn about the common bacteria, viruses, and protists that cause sickness and disease in humans. Medical Microbiology delves into different ways these germs and diseases can spread from person to person, throughout a community, and eventually around the globe while discussing the best practices for stopping them from spreading. Students look into different medications and how they work to kill or slow the growth of different microorganisms. Students will also research why some antibiotic medications are no longer effective against the bacteria that cause disease. Medical microbiology also teaches laboratory skills in how to effectively grow and isolate different colonies of microorganisms in Petri dishes.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Medical Terminology *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

Medical Terminology is a course for students with an interest in the medical field. This course provides students with knowledge of Latin and Greek roots, prefixes, and suffixes in addition to combining forms and eponymous terms related to the many systems of the human body. Students are also able to learn more about the many professions, specialists, and treatment plans associated with different areas of the body. This course introduces new ways of looking at the body through the lens of medical terms and their origins.

Money Matters *P* ◉

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Money Matters is a CTE course introducing students to basic financial concepts, institutions, and careers. Students will explore professional business practices before surveying financial industry careers. They will then investigate business types and the rights of consumers. A survey of banking is followed by an investigation of credit, loans, and identity theft. Students will examine economic concepts including unemployment, inflation, international business, and the role of the Federal Reserve System. Before exploring taxes and financial records, students will learn the importance of investing and analyze how different types of investments can contribute to a sound portfolio. The course concludes with a look at managing risk through the use of insurance products. Practical projects include reconciling a bank account, preparing a federal income tax Form 1040, and creating a budget.

Music Appreciation *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

This course is designed to help the non-musician understand music basics, including such topics as reading a musical score, melody and harmony, rhythm, music history (styles by period), music theory, musical genres, instruments, orchestration, and arrangement. The course even covers the creation of musical scores using popular music arrangement software. Other topics include the science of musical sound, health and wellness for performers, classical symphony concerts, besides opera performances and etiquette when attending. The course strives to help non-musicians gain an understanding of the world of music and to become well-rounded individuals.

Principles of Business, Marketing, and Finance *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

The Principles of Business, Marketing, and Finance course will expand the student's knowledge in the many areas of business and free enterprise. The majority of the course takes a comprehensive look at business disciplines such as analyzing goods versus services, economics, financial management, principles of personal finance, marketing, the global economy, and government in business. The student will gain soft skills such as understanding business ethics, leadership, and the management of employees. The student will gain hard skills such as product management, finances, marketing campaigns, and sales. The course then takes a practical look at career opportunities in business and the professional skills needed to excel within the industry. The student will finish the course with a broad grasp on the principles of starting, operating, and managing a successful company.

Principles of Government and Public Administration *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

Principles of Government and Public Administration (PGPA) introduces students to careers in public policy. PGPA explores government from the perspective of government and private-sector employees as well as elected officials. In this course, students examine different career avenues and their ethical and professional standards. PGPA introduces students to theories of governmental development alongside the constitutional principles underlying America's federal and unitary forms of government. Students learn about the public official's responsibility to protect citizens' rights to due process and discover how interest groups influence public policy. Students then analyze the effect of policymaking on both the culture and society of the nation and foreign policy. The course concludes with an investigation into the role of government in a free-market economy, including its ability to stimulate invention and innovation.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Principles of Health Science *P* ◉

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

This CTE course is designed to help prepare students for a career in the health science field. It covers healthcare systems and the roles of team members within these institutions. The course has many opportunities for students to explore the various careers within the healthcare field. It emphasizes the personal and professional skills required to succeed in this arena, including personal character qualities, teamwork, and leadership. Coverage includes the science of healthcare, including measurement, SI system, anatomy and physiology, and safety practices. It covers topics of healthcare at various life stages, from birth to death. Laws and regulations, best practices, and professional ethics are discussed, as well. Because this course has a careers emphasis, other topics covered include career preparation, the role of student and professional organizations, and the state of the health-care career field

World Health Research *P* ◉

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

World Health Research introduces students to the various risk factors people face globally. The course shows how health outcomes in developed nations differ from those in developing nations. The course analyzes these trends, along with the origins of primary care. The course compares different organizations that identify and monitor global health threats. World Health Research allows students to explore specific research methods and design studies to understand world health problems and their impacts. The course also shows students the effects of infectious and chronic diseases across the globe, discussing emerging medical technologies and the response of the healthcare system. This course concludes with an analysis of ethical concerns regarding global health, the importance of clinical trials, and ways to enact global change.

Principles of Human Services *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

This course enables students to investigate careers in human services including counseling, mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand careers. Skills learned in this course includes: responsible decision-making, setting both short- and long-term goals, and knowing how to react to and handle high stress crisis situations.

Principles of Law, Public Safety, Corrections, & Security *P* ◉

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Principles of Law, Public Safety, Corrections, & Security explores the foundational elements of our legal system alongside the work of public servants and first responders. The course begins by taking a broad perspective on the origin of law and the U.S. Constitution. Constitutional rights of citizens are defined and applied to specific areas of public service. In the area of law, the student will analyze the role and importance of the court system, the responsibilities of lawyers, and general courtroom procedures. In the area of public safety, the student will explore the roles of first responders such as police, firefighters, and EMTs. In the area of corrections, the student will learn crime classification, the differences between prisons and jails, and the various levels and functions of criminal courts. The student will also understand the work of both public and private security, including private bodyguards protecting celebrities and security for major public events. By the end of the course, the student will know the careers related to public service and law, the ethical considerations of each, and the pathways required to gain these careers.

Psychology (2nd Edition)

GRADES 9, 10, 11, 12 Electives SEM

The Psychology course begins with a look at basic social science skills including ethical decision-making and statistical evaluation. After a brief survey of careers in psychology, the student will explore the physical processes of the brain and body systems that shape sense and perception. The student will then study theories of development, personality, and conditioning. Next, students will explore mental processes behind thinking and memory, language acquisition, motivation, and emotions. Students will investigate the levels of consciousness and disorders leading to abnormal behavior. The course concludes with an examination of the individual and social behavior. Students will learn about stress, attitude formation, conflict resolution, conformity and obedience, altruism, and morality.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Speech Communication *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

Speech Communication seeks to improve the interpersonal and public communication skills of students. Surveying the communication process, students will learn the components and functions of communication, differentiate between oral and nonverbal communication, and comprehend the listening process. Developing familiarity with self and personal strengths and weaknesses, students will boost self-confidence as public speakers in situations such as speeches or interviews. The course will culminate with students applying their acquired communication skills in researching, preparing, and giving a speech.

Sports and Entertainment Marketing *P* ◉

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

In Sports and Entertainment Marketing, students will explore the foundational elements of marketing as they pertain to the sports and entertainment industries. Students will primarily focus on the sports market, but other entertainment industries are analyzed as well, including music, theater, and television. Sports and Entertainment Marketing will require students to practice targeted marketing and segmentation as they relate to entertainment. Students will engage in several projects, including developing a ticket sales strategy, planning game operations, creating event strategies, and making a sports press kit. Students will investigate the distribution of sports and entertainment media, the fan experience, promotional plans, sponsorships and endorsements, as well as business ethics and sports legislation. By the end of this course, students will have an understanding of the career pathways and opportunities available in the sports and entertainment industries.

Video Game Design *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

Video Game Design is a course designed to help students develop skills for planning, designing, and completing development of an original video game. These skills include outlining and writing a game story, storyboarding, level and objectives design, game mechanics, and character design. Students are also exposed to development skills, including use of pseudocode, decisions, algorithms, collisions, and other programming functions, as well as graphics, animation, and sound. The student will become familiar with the use of suitable game engines for creating their working video game. The course includes discussion to help the student understand the history of video games, as well as their genres. This includes discussions of game theory to help students understand audience expectations, control, and other aspects of game design. Students will be required to create an original video game and submit it for critique. In addition, students will be involved in playing and critiquing the games of other students, as well as critiquing existing video games. The student will be required to create and understand the purpose of a Game Design Document (GDD), an industry standard.

Virtual Business *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

The Virtual Business course guides students through the basics of starting, operating, and managing an online company. This course is designed for students interested in starting a virtual business by creating a web presence, conducting online and offline marketing, examining and creating business contracts for online business, and exploring project-management systems. The student will also explore bookkeeping processes, applicable legal company business structures, managing telecommuting employees, maintaining business records, as well as entrepreneurship. Virtual Business also guides the student through potential online career pathways by conducting various personality and career pathway assessments. The student will conclude the course by applying learned skills to create a company, including a business plan, branding the business, and creating a website using common website builder tools.

Web Communications *P* ◉

GRADES 9, 10, 11, 12 Electives SEM

In Web Communications, students learn how to be good digital citizens. Rights, responsibilities, and digital communication tools are explored. Students learn how to search and choose valid internet sources for research while gaining a deeper understanding of new technologies. Students dive into the history of the Web and how it has changed over time. Topics such as internet safety, security, and cyberbullying are also analyzed. Using the knowledge gained in the course, students write a web-hosted blog post with HTML coding elements. The course ends with the fundamentals of web design and a project in which students create a simple webpage.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

English 1 (3rd Edition) *P* ◉

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English I launches a four-year journey during which students will confidently master grammar, develop advanced communication skills, and learn to analyze and appreciate challenging literature. The course begins with grammar fundamentals including sentence structure, parts of speech, and phrases and clauses. Students' vocabulary will expand through a study of technology, literary terms, and words with multiple meanings. Culturally diverse texts will emphasize literary elements and techniques while an overview of short and long prose will delve into excerpts from The Odyssey. Reading Animal Farm and Romeo and Juliet will expand the students' literary world. Writing skills will advance as students learn and apply the steps for creating a research paper. The course includes coverage of effective speaking and listening.

English 2 (3rd Edition) *P* ◉

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English II begins with a major focus on grammar to help students become stronger writers. Students then analyze literary genre elements in various excerpts of classical stories. A major focus is the Greek drama, Antigone, by Sophocles. The novel, To Kill a Mockingbird, by Harper Lee is required with this course to study for analysis, as well. Students compare informational texts and have various writing projects. For example, they write an analytical essay on a short story and a persuasive essay that they also present as a speech. Their research paper is about a topic they choose on the Civil Rights Movement in which they construct a multi-media presentation to accompany it. Additionally, this course includes work-related documents with students constructing their own resumés and letters.

English 3 (2nd Edition) *P* ◉

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English III, students focus on the development of American Literature and compare it with ideas and forms of literature around the world. Students review the basics of the language arts, then scaffold with practices of increasing complexity to meet the required grade-level objectives of analytical thinking. Engaging in a step-by-step process, students learn to write complex analyses and argumentative papers. Students also learn principles in research, teamwork, discussion, and presentation skills. The text that should accompany the course is the musical, Fiddler on the Roof, by Joseph Stein. This play highlights literary devices as well as the ideas of immigration and cultural assimilation with supporting literature. Additionally, students explore college and career planning as well as tips for dealing with information in technology today.

English 4 (2nd Edition) *P* ◉

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English IV emphasizes the interpretation of various types of literature from different time periods. The genres covered include fiction, drama, and poetry. The dramatic play Cyrano de Bergerac is read and studied for its use of language to convey dilemmas and themes. Poetry studies include a survey of British poetry as well as ancient and modern poetry from various cultures and in various periods. Students are also given a wide range of writing assignments. For example, students produce a fiction story and a script. They also write essays evaluating literary elements. The course also includes research and writing arguments with logic. These various writing assignments help prepare students for end-of-course and SAT essay writing. Coverage is also given to analyzing and evaluating media and speeches, as well as using presentation and discussion skills.

Literary Genres

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

Algebra 1 *P* ◉

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra I is a common starting point for high school math studies. A review of fundamental math skills in unit 1 will ensure students are ready for algebraic concepts. Students' math competence will grow as they learn to solve expressions, functions, and equations by using formulas, ratios, proportions, percentages, and rates. Other concepts include exponents and scientific notation, polynomials and trinomials, multi-step inequalities, slope formulas, and systems of equations and inequalities. Students will solve quadratic functions through various methods including graphing, factoring, square roots, completing the square, and the quadratic equation. Using tables and graphs, students will analyze and organize data and statistics. Students will learn to work and solve exponential, radical, and rational functions and equations. The final unit ties algebraic concepts to the study of geometry.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Algebra 2 *P* ◉

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra II will consolidate and build on students' knowledge acquired in Algebra I. After a review of Algebra I concepts, students will take an in-depth look at linear equations, inequalities, and functions. Students will be introduced to matrices, apply Cramer's Rule in solving linear systems, and solve graphs and equations of conic sections. Using graphs, factoring, and the quadratic formula, students will solve quadratic equations, inequalities, and functions. Students will investigate how to graph, factor, invert and solve polynomials, as well as solve rational expressions, radical expressions, fractional exponents, and rational inequalities. Students will examine the properties, transformations, and applications of exponential and logarithmic functions. Applying probability and data analysis, students will determine probability and model data. The final unit will present trigonometric concepts to prepare students advancing to trigonometry.

Geometry *P* ◉

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course, dealing primarily with two-dimensional Euclidean geometry and solid geometry, promotes the development of logical reasoning skills and is useful in many life situations. Beginning with the fundamental concepts of line segments and angles, students will progress to conditional statements, geometric and algebraic proofs, and line relationships. In studying polygons, students will learn the properties of triangles, quadrilaterals, and circles along with geometrical concepts including the Pythagorean Theorem and the relationship of pi (π) to circumference and area in a circle. In the study of solid geometry, students will learn how to determine area and volume for prisms, cylinders, pyramids, cones, and spheres. Students will apply learned geometric skills in working with ratios, similarities, transformations, and symmetry before concluding the course with an inquiry into the fundamentals of trigonometry.

Math Models *P* ◉

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The Math Models course applies mathematical concepts to real-life situations. The course begins with a review of basic math concepts before presenting an overview of geometry, probability and statistics, and problem-solving. Students will learn to conduct and analyze research by collecting and describing data using graphs and models that find application in disciplines as diverse as science, trigonometry, art, architecture, and music. Students will employ theoretical, empirical, and binomial probability to predict the likelihood of outcomes. Using math models, students will better understand personal finance issues including compensation, budgeting, taxes, bank accounts, and compound interest. Applying math models to analyze the pros and cons of credit cards, renting or purchasing a home, leasing or purchasing a vehicle, and investments and insurance will enable students to be smarter consumers.

Personal Finance *P* ◉

GRADES 9, 10, 11, 12 Mathematics SEM

The Personal Finance course introduces students to strategies and practices that empower them to manage their money wisely. Students first perform a self-analysis to discover their money personality. A study of good consumer habits includes a comparison of renting and buying. Students learn the steps to building wealth, including building an emergency fund, evaluating and embracing risk when investing, and using credit sparingly and wisely. A survey of consumer rights accompanies the steps recommended to protect one's personal information. Students survey types of insurance and evaluate the role of each in limiting personal financial risk. The course concludes with an entire Unit dedicated to evaluating higher education opportunities, costs, and funding.

PreCalculus *P* ◉

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Precalculus explores a wide variety of mathematical concepts with the goal of preparing students for calculus or other college-level math courses. A review of number properties, factoring, the quadratic formula, and the Cartesian coordinate system will prepare students for advanced math concepts. Students will use graphing calculators to plot graphs and solve equations. Students will learn to solve a variety of problems including parent functions, transformations, even and odd functions, domain and range, operations, linear functions, regression, correlation, quadratic functions, polynomials, asymptotes, and exponential, logistic, and logarithmic functions. Trigonometric studies include angle measurement, arc length, functions, reciprocal and quotient identities, Pythagorean identities, sines, and cosines. Sequences and series precede inquiries into the characteristics and applications of conic sections and vectors. The course concludes with an investigation into parametric equations and polar equations.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Aquatic Science *P* ◉

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR)

In Aquatic Science students will test, predict, and learn about water and things pertaining to water. The first unit will guide students to think of water as a system. Learning the chemistry and physics of water, students will complete a course project by applying scientific methods to collect and analyze data on a local body of water. A survey of the physical properties of the ocean, including their formation and composition, will precede an inquiry into how the atmosphere and sun interact with the hydrosphere to create weather. Students will examine the elements and properties of aquatic ecosystems, including aquatic biology and marine and freshwater ecosystems. In the final unit, students will consider the relationship between humans and water, including challenges such as population growth competing for resources with agriculture and industry.

Astronomy *P* ◉

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

Beginning with a look at astronomy's history, students will recognize the contributions of Ptolemy, Copernicus, Galileo, and Newton to our understanding of the universe. The second unit investigates telescopes and detectors such as radio receivers. An examination of the characteristics and processes of the Sun will be followed by a look at the terrestrial planets: Mercury, Venus, and Mars. After studying the Earth-Moon system, students will explore facts about the minor planets, Jupiter, Saturn, and the outer planets. Moving beyond the solar system, students will learn the characteristics of stars, galaxies, and deep space objects. Students will better appreciate the night sky after learning the constellations and will ponder the origin and fate of the universe with an inquiry into impermanence, special and general relativity, and cosmology.

Biology *P* ◉

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Biology, students will develop an appreciation for the living world. A brief history of biology followed by an investigation of the basic unit of life—the cell—will prepare students for deeper research. Students will explore topics concerning genetics, including meiosis, heredity, and DNA. Students will consider natural selection, the origin of life theories, and the mechanics of evolution. An exploration of "little critters" such as bacteria precedes a study of plant structures, processes, and reproduction. Students will inquire into animal behavior and characteristics as they study invertebrates, amphibians, reptiles, birds, and mammals, among others. An inspection of nutrition and disease will lead students to examine human body systems. The course will conclude with an analysis of the interdependence of living things in ecosystems.

Chemistry *P* ◉

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

A foundational branch of physical science, the principles, and laws of chemistry find many applications in business, technology, health care, and other fields outside traditional scientific areas. Beginning with a look at measurements, calculations, data analysis, and the scientific method, students will investigate the properties of elements, compounds, and mixtures. A survey of the history of theories of atomic structure will lead students to Mendeléev's periodic table and an inspection of the periodic law. Next, students will apply atomic theory in the study of molecular and chemical bonding interactions through chemical formulas, reactions, and stoichiometry. Students' knowledge will expand as they learn about the states of matter, gas laws, solutions, acids and bases, thermochemistry and reaction kinetics, and oxidation-reduction reactions. The course concludes with inquiries into organic chemistry, biochemistry, and nuclear chemistry. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Earth Science *P* ◉

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Earth Science, students will learn about different Earth systems, how they interact with each other, and how humans impact these systems. Students will look at the scientific bases for land, water, atmosphere, and biosphere systems; discuss several environmental problems; analyze possible solutions; delve into laws already in existence; and discuss any possible future laws. Critical thinking will be required, as well as the ability to argue points from both sides of an issue. Throughout the course, there will be lab investigations, including video labs, to reinforce scientific concepts and skills.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

Physical Science (2nd Edition) *P* ◉

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Physical Science, students will learn many fascinating chemistry and physics concepts. Students have a brief introduction to the scientific method, lab safety, and the metric system. The study of chemistry begins with the atomic theory and the Periodic Table, applying theory to develop chemical formulas and balance equations. The course includes investigations into acids and bases, gas laws, and nuclear chemistry. Students explore Newton's laws of motion and other physics concepts including mass, force, motion, velocity, acceleration, gravity, and energy. A study of electricity and magnetism, simple machines, the laws of thermodynamics, and energy waves rounds out the physics portion of the course. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Principles of Education and Training *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Through an examination of the Principles of Education and Training, students will study the roles and responsibilities of teachers, administrators, and administrative support professionals. Students will analyze the characteristics, qualities, and traits of highly successful educators. Students will evaluate a variety of educational options available on their road to becoming professional educators. Students will also study the opportunities and paths possible when becoming corporate trainers or independent contractors, providing training services to a variety of clients. Throughout this course, students will have learned methods of classroom instruction and ways to develop Lesson plans. Students will use critical thinking skills to develop their own personal philosophy of education. Students will learn via the perspectives of students, teachers, and support professionals using real-life examples and situations to explore what it means to be an "educator for life." Students will end this course by developing a graduation plan that leads to their calling as professional educators.

Physics *P* ◉

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In this course, students will learn physics concepts, including matter and energy, motion and force, speed, velocity, and acceleration in order to better understand how the universe behaves. A survey of the historical development of physics as a foundational branch of science will lead to recognition of the contributions of Newton, Einstein, Planck, and others. Students will apply physics concepts as they study gravity and acceleration, momentum, motion, and energy. The concepts of work and power will become evident as students learn how machines use torque and force to accomplish work. Students will recognize the roles of each fundamental force and will investigate electrostatics, thermodynamics, waveforms, particles, and quantum physics. Following an examination of the nucleus, radioactivity, fission, and fusion, the course concludes with the theories of special and general relativity. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Economics (2nd Edition) *P* ◉

GRADES 9, 10, 11, 12 Social Studies SEM

The Economics course begins with a survey of the basic principles concerning production, consumption, and distribution of goods and services within the free enterprise system. Students will examine the rights and responsibilities of consumers and businesses, analyze the interaction of supply, demand, and price, and study the role of financial institutions. Types of business ownership, market structures, and basic concepts of consumer economics will be surveyed. The impact of a variety of factors including geography, government intervention, economic philosophies, historic documents, societal values, scientific discoveries and technological innovations on the national economy, and economic policy will be an integral part of the course. Students will apply critical- thinking skills to create economic models and to evaluate economic activity patterns. Students will also examine the knowledge and skills necessary as self-supporting adults to make critical decisions relating to personal financial matters such as seeking college financial aid, using credit wisely, and balancing financial accounts.

United States Government (2nd Edition) *P* ◉

GRADES 9, 10, 11, 12 Social Studies SEM

U.S. Government commences its examination of American democracy with a general overview of the purpose, types, origin, and formation of governments. Students will explore how colonial self-rule, English law, and weaknesses in the Articles of Confederation influenced the formation of the U.S. Constitution. Students will investigate the principles of the Constitution and the federal system. The purpose, powers, and relationships among the American institutions of self-government—Congress, Presidency, and the Judiciary—will be examined as well as federal, state, and local governments. Students will become aware of their civic responsibility to vote and participate in the governmental process as they gain understanding of the functions and organization of political parties, the evolution of the two-party system, and the influence of public opinion and political ideology on government decisions.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available** ◉ **A–G approved**

Grades 9, 10, 11, 12 (continued)

United States History *P* ◉

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

U.S. History Since 1877 details the American story from Reconstruction to the present day. Beginning with western expansion, students will analyze the impact of events including the rise of cities and capitalism, the Alaska Purchase, and the Spanish-American War. Students will understand how technological advances including the assembly line and harnessing electricity, as well as the Progressive agenda of societal reform, influenced American prosperity. Students will consider America's rise to a world power during World War I before probing events leading up to World War II, including the Great Depression. Students will examine the momentous war and its consequences, including the Cold War and the Korean War, and investigate later 20th-century events, including the Reagan era and the Persian Gulf War. The course concludes with a look at recent events, including the War on Terrorists.

World Geography (2nd Edition) *P* ◉

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In World Geography, students will learn the six essentials of geography: spatial terms, places and regions, physical systems, human systems, environment and society, and uses of geography. After a broad survey of Earth's structure, hydrosphere, and climates, the focus of each unit narrows to a particular region of the world. By examining the physical geography of each region, including water resources, climate, vegetation, and natural resources, students will understand the influence of geography on economic activities, human culture, and history. In addition, students will investigate the impact of human activity on the environment, including pollution and development, and consider the implications.

World History *P* ◉

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

World History is a survey of the development of civilizations from prehistoric times to the present. The journey begins with ancient civilizations including Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. Students will analyze developments in Africa, Asia, and Europe during the Middle Ages, including the Crusades. Students will understand how the Renaissance and Reformation provided a springboard for the Age of Reason and the Scientific Revolution. An inquiry into events such as the American War of Independence and the French Revolution will prepare students to consider the great advances and social upheaval sparked by the Industrial Revolution. Students will probe the causes, events, and consequences of the two world wars and the rise and fall of Communism. The course concludes with a look at developments shaping current events.

B-Auto Graded
Catalog

The **B-Auto Graded** curriculum catalog offers schools the ability to assign courses to students with 100% computer graded assessments throughout the entire course. Students will experience a variety of instructional content that is academically challenging yet visually engaging to stimulate the educational mind and encourage academic discovery. The courses offered within this catalog offer both online and printed materials.

The lessons and activities are designed to challenge students and stay engaged using modern learning tools that allow advanced students to work at their own pace. With all course catalogs, through the customization features, the curriculum can be adapted to fit the needs of each learning style and address learning gaps in real-time.

The courses are offered as Semesters 1 and 2, as well as Year-long. Each semester contains 5 units on instruction. The courses follow a consistent instructional design containing lessons, activities, quizzes, practice tests, unit tests, and final exams. There is SEL (Social/ Emotional Learning) content throughout many of the courses. All courses have access to the text-to-speech toolbar.

Each lesson contains lesson objectives, vocabulary, learning text, and check-for-understanding questions. This instructional design allows students to practice the skill of searching for answers in context.

Note: Teachers may need to supplement with offline assignments or unhide some hidden assignments in auto graded courses to meet student learning objectives. *Example*: Written essay assignments in English courses.

Hidden Items (if applicable)
Teacher guide, labs, projects, and discussions

Default Weights*

Lessons	20%	Unit Tests	45%
Projects and Labs	0%	Practice Tests	0%
Activities	0%	Final Exam	15%
Quizzes	20%		

*Weights can easily be adjusted to teacher's preference

Elementary

P **Optional Printed Materials Available**

Grade K

K ELA – Language Arts *P*

GRADE K Language Arts S1 | S2 | YEAR

Kindergarten Language Arts introduces students to a variety of literary and informational texts. Students will learn about basic story elements and plot sequences through classic pieces of children's literature. First, students will explore nursery rhymes, such as "Hickory Dickory Dock." Then, students will move on to fables, fairy tales, and folk tales, such as "Sleeping Beauty" and "The Three Little Pigs." This course will also teach students how to use informational texts for learning. Students will learn the parts of a book and how to use text features to gain understanding. In each Unit, students will complete fun activities that bring texts to life. Students will demonstrate their ability to describe stories, make connections, and use standard English conventions in a variety of ways, including speaking and drawing.

K ELA – Phonics, Spelling, and Penmanship *P*

GRADE K Language Arts S1 | S2 | YEAR

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 68 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Once students can effortlessly read individual words, they are then ready to comprehend sentences. For penmanship, students learn and practice proper sitting posture, correct pencil grip, directions for paper slant, and the steps for writing manuscript. When students can form letters with automaticity and ease, they can focus on what they want to say. Writing by hand creates kinesthetic memories of letters, which also helps students learn how to read.

K Mathematics *P*

GRADE K Mathematics S1 | S2 | YEAR

Kindergarten Math explores fundamental concepts of numbers, helping students to make connections between concrete objects and numbers. For the numbers 1-20, students learn to recognize word forms, identify and write numerical values, and compare numbers using symbols (<, >, =). Students master counting to 100 and skip counting by tens. Students learn that addition is the joining of numbers, and subtraction is the separation of numbers. The course teaches students addition and subtraction to 10 using models, pictures, number bonds, and number lines. Other concepts covered in this course include shapes and their attributes, measurements, data collection and sorting, picture graphs, and financial literacy. Throughout the course, students get hands-on experience and practice counting with manipulatives, number lines, and charts. Colorful, clear, and engaging visuals are used throughout the course to enhance student learning.

K Science *P*

GRADE K Science S1 | S2 | YEAR

Kindergarten Science lays the foundation for investigation and reasoning in science. The course includes three main domains; life science, Earth and space science, and physical science. Students will develop a basic understanding of science and skills necessary to conduct experiments, such as how to ask questions, communicate ideas, and make observations using the five senses. Students will engage in life science concepts, including animal parts and characteristics, plants and their life cycle, and basic needs of all living things. In Earth and space science, students will explore patterns in the natural world by observing and comparing different rocks, soil, and water. The course develops the student's understanding of objects in the sky and the patterns they create, such as day and night, seasons, and weather. Students will discover the concepts of matter and energy by exploring the physical properties, location, and motion of objects and materials.

K Social Studies *P*

GRADE K Social Studies S1 | S2 | YEAR

Kindergarten Social Studies introduces young learners to the social sciences. The course starts with an invitation to learners to investigate how people use jobs to meet basic needs and wants. Next, students will discover how traditions, kinship, and religion shape each family's culture. An introduction to basic map skills is followed by a survey of basic landforms and bodies of water. The course then transitions into a study of the role of leaders, the relationship between government and rules, and an introduction to national symbols including the U.S. flag. Students will discover the meaning behind selected patriotic holidays before concluding the course with a look at how technology affects our lives.

Grade 1 continued

Elementary

P **Optional Printed Materials Available**

Grade 1

1st ELA - Grammar and Penmanship *P*

GRADE 1 Language Arts FLEX)

1st Grade Grammar and Penmanship teaches students to communicate clearly in writing. Through penmanship instruction, students will learn how to form all lowercase and uppercase manuscript letters. Each penmanship Lesson reinforces the letters, phonograms, and words that are introduced in the corresponding Phonics and Spelling Lesson. Through grammar instruction, students will learn the purpose of words, sentences, and punctuation. Students begin by learning about parts of speech and parts of sentences and build up to whole sentences and punctuation rules. Throughout the course, students will construct their own writing handbook. The handbook will include examples of manuscript letters as well as grammar terms and rules. The course culminates in students writing correspondences to authentically practice grammar and penmanship.

1st ELA - Phonics and Spelling *P*

GRADE 1 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. Students will use spelling rules learned in kindergarten as well as learn additional rules to help them spell and read a variety of words. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

1st ELA - Reading and Composition *P*

GRADE 1 Language Arts FLEX)

In 1st Grade Reading and Composition, students will explore the patterns of literary and informational texts. The course begins by providing explicit instructions for academic vocabulary and comprehension skills. Then, each Unit guides students through the process of close reading. Students will read a variety of literature, including fun and classic pieces such as “Twinkle, Twinkle, Little Star” and “Goldilocks and the Three Bears.” Students will practice using reading strategies to understand the literal meaning and purpose of a text. Students will also learn how to use evidence to make predictions and inferences about texts. At the end of each Unit, students will apply their learning of texts by composing their own texts.

1st Mathematics

GRADE 1 Mathematics S1 | S2 | YEAR

In 1st Grade Math, students will extend their understanding of number concepts from 0 to 120. The course starts with a review of kindergarten concepts and introduces place value. Students will compare numbers using symbols (<, >, =) and number lines. The course teaches students addition and subtraction using multiple methods. The methods include composing and decomposing numbers with number bonds, number lines, hundreds charts, doubles, doubles plus one, ten less ten more, place value models, expanded and standard forms, and algorithms. These methods are also used for missing values and story problems. Other concepts covered in this course include shapes and solids, fractions, measurements of length and time, data collection, pictographs and bar graphs, and financial literacy and U.S. currency. Throughout the course, students practice addition and subtraction math facts for numbers up to 20. Each Unit also has hands-on activities and projects to further students’ understanding of spiraling concepts.

1st Science *P*

GRADE 1 Science S1 | S2 | YEAR)

In 1st Grade Science, students use inquiry and the five senses to learn about and explore the natural world. Students will develop the skills needed to ask questions and seek out answers, including making predictions and observations, collecting data, and organizing data. Students will explore three main domains of inquiry; life science, Earth and space science, and physical science. In life science, students further their understanding of living versus nonliving things and the basic needs of living things. Earth and space science includes the cycles and systems of the natural world, such as rocks, soil, and water. In physical science, students will investigate and classify matter by its properties, predict changes to materials when they are heated and cooled, describe the importance of light, heat and sound energy, and demonstrate that objects move in different ways. Throughout the course, students engage in asking questions, communicating ideas, and using scientific tools.

Grade 2 continued

Elementary

P **Optional Printed Materials Available**

Grade 1 (continued

1st Social Studies *P*

GRADE 1 Social Studies S1 | S2 | YEAR

This course builds on basic concepts introduced in kindergarten. The first two Units will teach students to use geography tools to interpret maps and globes. The focus then shifts to government. Learners will investigate how the United States was formed, survey the structure of our government, and identify and analyze the meaning of national symbols. Students will next study the role of states before learning about citizenship. Unit 8 will introduce learners to patriotic, community, and family customs and traditions. Students will then investigate basic economic concepts including goods, services, choices, spending, and savings before concluding the course with an examination of how technology changes the way humans work and play.

Grade 2

2nd ELA - Grammar and Penmanship *P*

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as "The Lion and the Mouse" and "Cinderella." It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text's genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author's purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

2nd ELA - Phonics and Spelling *P*

GRADE 2 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words. It focuses on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Students will use spelling rules learned in 1st grade as well as learn additional rules to help them spell and read a variety of words with increasing complexity. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

2nd ELA - Reading and Composition *P*

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as "The Lion and the Mouse" and "Cinderella." It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text's genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author's purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

2nd Mathematics *P*

GRADE 2 Mathematics S1 | S2 | YEAR

2nd Grade Math extends students' understanding of number concepts and place value up to the number 1,200. The course starts with teaching students to read and write numbers in different forms. Students will compare numbers using symbols (<, >, =) and number lines. Students will also learn about even and odd numbers. The course teaches students addition and subtraction using multiple methods and spiraling. Methods include composing and decomposing numbers with expanded and standard forms, number lines, hundreds charts, place value models, and algorithms. These methods are also applied in solving one- and two-step word problems. Students learn to use mental math to add tens and hundreds. The mental math also helps students better understand place value. Other concepts covered in this course include fractions, multiplication and division, geometric shapes, measurements, time, data from pictographs and bar graphs, money, and financial literacy. Throughout the course, students practice addition and subtraction math facts for numbers up to 20.

Grade 2 continued

Elementary

P **Optional Printed Materials Available**

Grade 2 (continued)

2nd Science *P*

GRADE 2 Science S1 | S2 | YEAR)

In 2nd Grade Science, students learn and practice fundamental science concepts. It addresses the need for students to read information for themselves, while giving students opportunities for hands-on science investigations. The course carefully introduces students to new vocabulary with support through regular repetition of key words. The students are introduced to scientific investigation and reasoning, as well as science tools and lab rules. Students will learn to identify and demonstrate how to use, conserve, and dispose of natural resources and materials by conserving water and reusing or recycling paper, plastic, and metal. Covered topics include matter, energy, force, motion, natural resources, space, and organisms, such as plants and animals.

2nd Social Studies *P*

GRADE 2 Social Studies S1 | S2 | YEAR

2nd Grade Social Studies introduces students to basic government, citizenship, history, economic, cultural, and geographic concepts. This is accomplished as they investigate communities, neighborhoods, holidays, symbols, monuments, the continents and oceans, and the virtues of the free enterprise system. The course begins with a look at rural, suburban, and urban communities. Students then learn about local neighborhoods and the people who live and work in them. The concept of neighborhood expands as the course progresses to include the state, nation, and world. Along the way, students will meet good citizens who helped their communities, including John Hancock, Sojourner Truth, and the Navajo Code Talkers.

Grade 3

3rd Art *P*

GRADE 3 Elective S1 | S2 | YEAR

The study of art in 3rd Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

3rd Health *P*

GRADE 3 Elective S1 | S2 | YEAR

The 3rd Grade Health course builds on the knowledge and skills learned in the second grade. In this course, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, this course helps students learn personal/interpersonal skills needed to promote individual, family, and community health. Several projects help the student expand health thinking and practice skills learned in the course.

3rd Music *P*

GRADE 3 Elective S1 | S2 | YEAR

The study of music in 3rd Grade focuses on basic sight-reading skills, performing folk dances, and learning the history of folk music in America. Students will learn to play songs in 2/4 and 4/4 time signatures on the soprano recorder. Virtual games teach students to listen for changes in dynamics, count the number of beats, and recognize where measures start and end. By the end of the year, students will know how to read music and play the recorder. They will also know how to clog-dance and how to behave during a formal music concert. The goal of the 3rd Grade Music course is to learn musical performance, active listening skills, and mindfulness in a fun and relaxed environment.

3rd Language Arts *P*

GRADE 3 Language Arts S1 | S2 | YEAR

This course provides students instruction and practice in reading, comprehending, and analyzing various genres. Students will also learn skills to become stronger writers while creating texts for various purposes. Students will complete basic research tasks. In addition, students will learn spelling, grammar, and conventions to strengthen their writing. They will also learn and practice skills and strategies to build their vocabulary. Students will further their communication skills by listening, speaking, and working with peers. Students will also learn and utilize cursive writing.

Grade 3 continued

Elementary

P **Optional Printed Materials Available**

Grades 3 (continued)

3rd Mathematics *P*

GRADE 3 Mathematics S1 | S2 | YEAR

The primary focal areas in 3rd Grade Math are place value, operations of whole numbers, and understanding fractional units. Students will learn the purpose of rounding numbers and learn to identify values on a number line. Students will perform the operations of addition, subtraction, multiplication, and division. They will learn and practice multiplication through 10. They will also learn to model division in different ways, including grouping and using arrays. The mathematical strands of algebraic reasoning, geometry and measurement, and data analysis are presented and practiced. The use of tables, graphs, and charts is thoroughly explained, and concepts of financial literacy are also covered.

3rd Science *P*

GRADE 3 Science S1 | S2 | YEAR

The study of science in 3rd Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making tables and graphs. Students use tools such as collecting nets, sound recorders, and spring scales to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; describing the forms of energy; investigating how forces cause change; describing rapid changes to Earth's surface; comparing different landforms; creating models of the solar system; understanding the structures of living organisms and how they interact with each other and the environment, and comparing life cycles of different plants and animals.

3rd Social Studies *P*

GRADE 3 Social Studies S1 | S2 | YEAR

The theme of 3rd Grade Social Studies is community. Students will compare and contrast different types of communities and discover how cultural diversity adds richness and meaning to life in communities. As the course progresses, students will be introduced to the concept of living in a larger world community. They will learn about heroic men and women who overcame adversity and made their communities better places to live. Students will apply map-reading skills and examine source documents that will help them place communities and events in geographical and historical context. Students will learn that they have a responsibility to improve their communities and will identify ways to participate through nonprofit groups, government, and the free enterprise system.

Grade 4

4th Art *P*

GRADE 4 Elective S1 | S2 | YEAR

The study of art in 4th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

4th Health *P*

GRADE 4 Elective S1 | S2 | YEAR

In 4th Grade Health, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. In addition to learning age-specific health information on a variety of health topics, students learn how their behaviors affect their body systems. Students are taught the consequences of unsafe behaviors while using social skills to deal with peer pressure and communicate effectively.

4th Music *P*

GRADE 4 Elective S1 | S2 | YEAR

The study of music in 4th Grade opens the gateway into exciting development. Building upon the basics covered in 3rd Grade (while still teaching these basics in order to function as a stand-alone Course) 4th Grade music allows students the opportunity to learn how music recording and distribution has changed over the years. Students will learn to conduct and play music on the recorder in 2/4, 3/4, and 4/4 time signatures while also learning different musical forms. 4th Grade music has a focus on Texas heritage, noting the influence of Mexican-American, African- American, and European immigrant culture on the music and dancing of the state. Students will listen to great examples of music from a variety of instruments, historical recordings, and cultures as their understanding and respect for different varieties of music increases.

Grade 4 continued

Elementary | Middle School

P **Optional Printed Materials Available**

Grade 4 (continued)

4th Language Arts *P*

GRADE 4 Language Arts S1 | S2 | YEAR

Covering 4th Grade ELAR objectives, this course builds upon third-grade skills and vocabulary development. The focus is reading comprehension of main ideas, details, and themes. Students also keep a reading journal and compare different genre elements. Students write narratives and various essays, including a persuasive essay and an informative research paper. They also evaluate graphic elements, media, and speeches. In the area of cooperative learning, students practice good listening and discussion skills. Additionally, they use technology to make a presentation and self-evaluate their performance.

4th Mathematics *P*

GRADE 4 Mathematics S1 | S2 | YEAR

The primary focal areas in 4th Grade Math are the use of operations, fractions and decimals, and describing and analyzing geometry and measurement. Students will practice multiplication and divide 4-digit numbers by single-digit divisors. They will also learn about estimating quotients. Students will learn and practice addition and subtraction of fractions. Algebraic concepts will include working with equations and solving multi-step problems. Perimeter and area problems will also be performed. Financial literacy topics are also covered.

4th Science *P*

GRADE 4 Science S1 | S2 | YEAR

The study of science in 4th Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making graphs. Students use tools such as beakers, compasses, and balances to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; predicting how matter changes with heating and cooling; describing the forms of energy and its cycles; understanding slow changes to Earth's surface; recognizing weather patterns and using weather maps; understanding the structures and relationships of living organisms and their environment; illustrating and comparing life cycles of different plants and animals; and investigating patterns in the Sun, Earth, Moon system, including shadows and lunar phases.

Grade 5

5th Health *P*

GRADE 5 Elective S1 | S2 | YEAR

In 5th Grade Health, the students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, students are taught about the human body and the changes that come with puberty. Students are taught how to maintain healthy body systems and prevent disease. Students also learn how technology and the media influence personal health and how to apply problem-solving skills to improve or protect their health.

5th Music *P*

GRADE 5 Elective S1 | S2 | YEAR

The study of music in 5th Grade integrates singing into the student's musical experience. The 5th Grade course enhances sight singing skills by adding in new examples with different key signatures and compound time signatures. Musical form is taught through activities that allow students to express themselves and talk freely about the music and films they prefer, while also providing the critical vocabulary needed to describe this music in a more polished manner. Cultural representation is a key factor in 5th Grade Music, with African-American, Native-American, American Sign Language, and European immigrant representation. Students will finish the 5th Grade Music course with a greater understanding and appreciation for the music of the different cultures around them.

5th Language Arts *P*

GRADE 5 Language Arts S1 | S2 | YEAR

All standard conventions of English grammar are thoroughly covered. Vocabulary and spelling are spiraled throughout and include word roots, affixes, use of the dictionary, and using context. Students will read and analyze all major genres and be asked to imitate each in their own writing. Students analyze the novel Number the Stars. The students compose all forms of writing required by the state standards and are given detailed instructions in formal research and essays. A section on media literacy is included. Many lessons require peer collaboration. Fluency in reading aloud is taught overtly.

Grade 5 continued

Middle School

P **Optional Printed Materials Available**

Grade 5 (continued)

5th Mathematics *P*

GRADE 5 Mathematics S1 | S2 | YEAR

5th Grade Math will develop students' mathematical problem-solving skills. Beginning with an overview of place values, students will learn to regroup numbers and estimate sums and differences. Students will learn to multiply and divide numbers with more than one digit. Proficiency will be gained in adding, subtracting, multiplying, and dividing fractions and whole numbers. Students will solve problems using basic numerical and algebraic expressions. Geometry includes lines, angles, polygons, and polyhedrons. Customary and metric measurements will be used to solve problems. Students will organize and present mathematical data using line graphs, scatterplots, bar graphs, and other visual aids. The course concludes with the application of math skills in the study of financial concepts.

5th Science *P*

GRADE 5 Science S1 | S2 | YEAR

The study of science in 5th Grade includes conducting descriptive and experimental investigations using scientific methods, analyzing data, and making models. Students use tools such as beakers, magnets, and spring scales to collect, analyze, and record information. In this integrated science course, students classify matter by its physical properties; describe the forms of energy and its cycles; investigate how forces cause change; diagram changes to Earth's surface; compare Earth's renewable and nonrenewable resources; understand the structures of living organisms and how they interact with each other and the environment; and recognize patterns in the Sun, Earth, Moon system.

5th Art *P*

GRADE 5 Elective S1 | S2 | YEAR

The study of art in 5th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

5th Social Studies *P*

GRADE 5 Social Studies S1 | S2 | YEAR

The 5th Grade Social Studies students will engage in a broad survey of U.S. history. Beginning with the discovery of the Western Hemisphere during the Age of Discovery, students will follow the transformation of the United States from a wilderness in the 17th century to a world power during the 20th century. Students will examine founding documents and analyze how government, political parties, and the free enterprise system have shaped the development of the United States. Geographical skills will be tested as students memorize the location of all 50 states and the names of their capitals. In addition, students will examine their rights and duties as citizens and analyze the impact of technology and culture on the lives of Americans.

Version - I Am Malala *P*

GRADES 3, 4, 5 Elective S1 | S2 | YEAR

Grade 6

6th Health *P*

GRADE 6 Elective S1 | S2 | YEAR

In 6th grade Health, students are encouraged to continue good health practices learned at home. These practices include hygiene, nutrition, medical and dental care, and personal health choices. Coverage is given to sorting through information to make choices among health products. Attention is given to navigating social pressures, puberty, and reproductive processes. Students are given the opportunity to refine their critical thinking skills by evaluating the consequences of their decisions and actions. They are guided to understand that their decisions have consequences not only to themselves, their friends and families, but also to the community at large. By learning to find and evaluate health materials and understand the consequences of their actions, students are being equipped to make good choices and ensure good health throughout their lives.

Grade 6 continued

Middle School

P **Optional Printed Materials Available**

Grade 6 (continued)

6th Language Arts *P*

GRADE 6 Language Arts S1 | S2 | YEAR

This course provides an overview in reading/comprehension of various genres including fiction and non-fiction. Students read the novel Hatchet by Gary Paulsen and analyze the main character's development. Various activities emphasize informative and fiction writing, including planning, research, use of organizers, drafting, revision, and editing. Instruction also includes grammar basics and mechanics such as combining sentences and using correct punctuation. Analytical exercises consist of comparing genres, evaluating media, and identifying and using persuasion. Additionally, students practice necessary life skills such as communication and presentation, reflecting on the importance of collaboration in teamwork

6th Mathematics A (2nd Edition) *P*

GRADE 6 Mathematics S1 | S2 | YEAR

Sixth grade math has a primary focus in the area of numbers and their operations, proportionally, expressions and equations, geometry, measurements, and statistics. Students are exposed to concepts, including fractions, decimal operations, and ratios. They learn and practice the geometric principles of area and volume. In algebra, students learn to balance equations, solve inequalities, and perform functions. Students are also taught and given the opportunity to practice statistical representations and interpretation of data. Further topics on financial literacy are also covered in this course.

6th Science *P*

GRADE 6 Science S1 | S2 | YEAR

6th Grade Science is an integrated course surveying essential concepts in physics, geology, chemistry, astronomy, and biology. Students will investigate elements and compounds while learning the basics of chemistry. Students will examine different forms of energy and the laws of motion. An investigation of the structure of the earth will precede a study of the characteristics and properties of rocks, minerals, and fossils. A study of astronomy, including galaxies, stars, and the solar system will provide a context in which students will consider the history and future of space exploration. The course concludes with an inquiry into cells, classification, and ecology. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

6th Social Studies *P*

GRADE 6 Social Studies S1 | S2 | YEAR

The World Cultures course seeks to expand the knowledge of students beyond their local community to appreciate the diversity of the world at large. The course begins with a survey of ancient civilizations and the development of the Middle East's three major religions. In unit 2, students will study the classical foundations of Western civilization and survey European nations. Unit 3 surveys American history, culture, and the role of citizens. The remainder of the course takes students on a whirlwind tour of dozens of many nations around the world, exploring the history, geography, governmental systems, customs, and cuisine of each.

Grades 6, 7, 8

Middle School Art *P*

GRADES 6, 7, 8 Elective S1 | S2 | YEAR

The study of Middle School Art integrates visual literacy skills using critical thinking, imagination, and the senses to explore the world through the use of elements of art and principles of design. The student explores ideas from life experiences about self, peers, family, and community and uses the imagination to integrate them into original works of art. Creative expression is emphasized throughout the course as numerous works of art will be created using several art mediums such as drawings, paintings, prints, sculptures, modeled forms, fiber works, mixed media, installation work, digital art, and photography. Historical and cultural relevance in art is explored while analyzing styles, historical periods, and a variety of cultures. The course explores critical evaluation and response to the artworks of the student and others. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

Middle School Investigating Careers *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

Grades 6, 7, 8 continued

Middle School | High School

P **Optional Printed Materials Available**

Grades 6, 7, 8 (continued)

Middle School Music *P*

GRADES 6, 7, 8 Elective S1 | S2 | YEAR

Taking a more classical approach, the study of music in middle school teaches students the instruments of the orchestra and the classical voice ranges with exemplary performance examples. Students will also learn how to notate musical scores, sight-read using solfège and Curwen hand signs, and critically compare art music performances. Students enrolled in the middle school music course will understand the difference between a genre and a style and the parts of sonata form. The middle school music course also introduces a more expansive world view of music with entertaining and interactive tools for learning.

Middle School Theater *P*

GRADES 6, 7, 8 Elective S1 | S2 | YEAR

In Middle School Theater, students incorporate the study of theater, dialog, music, and dance to offer unique experiences that help students explore realities, relationships, and ideas. The foundations of theater include inquiry and understanding, creative expression, historical and cultural relevance, and critical evaluation and response. Through these foundations, students develop a perception of self, human relationships, and the world using elements of drama and conventions of theater. Through projects and exercises, students communicate in a dramatic form, engage in artistic thinking, build positive self-concepts, relate interpersonally, and integrate knowledge with other content areas in a relevant manner. Through the study of historical and cultural relevance, students increase their understanding of heritage and traditions in theater and the diversity of world cultures as expressed in theater. Through critical evaluation and response, students develop the ability to appreciate and evaluate live theater.

Grade 7

7th Language Arts A (2nd Edition) *P*

GRADE 7 Language Arts S1 | S2 | YEAR

In this course, students will learn and apply new skills in reading, writing, and oral communication. Students will consider the importance of establishing a purpose in reading and identifying themes. Reading assignments include short stories, myths, legends, true stories, and expository texts. Students will read and critique the historical novel Chasing Lincoln's Killer. Students will plan, draft, revise, proofread, edit, and publish a fictional narrative and an expository essay. Students will research reliable sources in order to create a research essay and accompanying multimedia presentation. Exploring the poetic devices of sensory and figurative language, students will create a poem of their own. Students will develop oral communication skills by preparing and presenting persuasive and instructional speeches. The course finishes with an investigation of communication in teamwork and collaboration.

7th Mathematics A (2nd Edition) *P*

GRADE 7 Mathematics S1 | S2 | YEAR

This course reviews many concepts of mathematics, and it introduces new concepts of graphing and financial information. Students work with sets and subsets, rational and irrational numbers, and exponents. Other topics include order of operations, additive inverses, and a thorough treatment of decimals. Algebraic concepts include ratios, rates, proportions, equations, and inequalities. Geometry concepts include triangles, circles, and circumferences. Students are taught graphing concepts such as plotting in different forms. Probability is covered, as well as financial topics, including interest, taxes, and budgeting.

7th Science *P*

GRADE 7 Science S1 | S2 | YEAR

The 7th Grade Science course will deepen students' understanding of life science. The course begins with the basic building blocks of life—cells. A unit on genetics will challenge students to investigate how DNA, genes, and proteins affect reproduction. Students will learn about different life processes and the importance of water, nitrogen, and carbon cycles. Students will analyze the effect of climate and weather on life and the environment. An investigation into human body systems, including the skeletal, respiratory, and immune systems, precedes the concluding unit on ecology where students will learn how living things interact with their environments. Throughout the course, there are lab investigations to reinforce science concepts and skills.

Grades 6, 7, 8 continued

High School

P **Optional Printed Materials Available**

Grade 7 (continued)

7th Social Studies *P*

GRADE 7 Social Studies S1 | S2 | YEAR

This course introduces students to basic geography of the continents, including boundaries, rivers, and landforms. Students are introduced to the early history of people groups, including civilizations in Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. The languages, art, literature, societies, and way of life of these cultures are covered. The rise and fall of world kingdoms is discussed, ending with the fall of Rome in 476. Further studies into subsequent civilizations include the Byzantine Empire, rise of nations, and events in the world through the Renaissance and Reformation. Information is presented concerning the rise of many different world cultures.

8th Language Arts A (2nd Edition) *P*

GRADE 8 Language Arts S1 | S2 | YEAR

This course will expand students' reading horizons and communication skills. Investigating narrative, epic, lyric, and free verse poetry, students will develop an appreciation for the sound, structure, and language of poetry. Students will better understand the elements of literature after reading O. Henry's "A Retrieved Reformation," Agatha Christie's Murder on the Orient Express, and William Gibson's The Miracle Worker. Writing projects include creating a personal narrative, a procedural text, and a multimedia research presentation. Students will examine various forms of media and learn to distinguish bias when evaluating a persuasive text. Presenting a persuasive speech, participating in a debate, and practicing formal and informal speaking and listening will enhance students' communication skills.

8th Mathematics A (2nd Edition) *P*

GRADE 8 Mathematics S1 | S2 | YEAR

This course emphasizes the application of mathematics to real-life scenarios, helping the student to build skills in problem solving. Its topics include expressions, equations, relationships, proportions, geometric shapes, measurements, and the use of information. Emphasis is given to the interpretation and creation of graphs and charts that express, describe, and apply data. Students are also given instruction in finance, especially in the area of personal financial literacy. This course ensures that students have mastered the basic skills needed to enter high school mathematics courses.

8th Science A (2nd Edition) *P*

GRADE 8 Science S1 | S2 | YEAR

8th Grade Science will challenge students with an integrated study of earth, physical, and biological sciences. Students will analyze the relationship between the Earth, Sun, and Moon. Students will better understand the changing earth as they survey physical processes, such as erosion and weathering, and the characteristics of rocks and minerals. A unit on oceanography will introduce students to the geological, chemical, and biological aspects of the ocean. Students will consider the fundamentals of matter and energy along with the application of energy, force, and motion in physics. Units on plant and animal biology will introduce students to the importance of habitats and earth cycles in sustaining life. The course concludes with a look at the human impact on the earth. Throughout the course, there are lab investigations to reinforce science concepts and skills.

8th Social Studies *P*

GRADE 8 Social Studies S1 | S2 | YEAR

This course employs an integrative approach to the teaching of U.S. history with an emphasis on geography, government, economics, culture, science, and technology. Students will learn how early explorations and development of the first colonies led to the union of 13 states as one nation. Students will examine and analyze important founding documents including the Declaration of Independence and the U.S. Constitution. A survey of the events will reveal how Americans embraced the idea of Manifest Destiny and expanded the nation across North America. Students will follow and analyze the complex issues leading up to the American Civil War. The course concludes with a look at post-war issues.

Grades 9, 10, 11, 12

Accounting I *P*

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

In the Accounting I for high school, students will learn a basic overview of the different functions in accounting. This includes rules for financial reporting and the parts of the balance sheet, income statement, and statement of stockholders' equity and retained earnings. Students will then be guided through the accounting cycle, learning how to create these documents and utilize them within a corporation. Students will journalize payments and invoices in accounts payable and accounts receivable, understand the different methods of inventory, and calculate payroll and taxes. Students will complete the course with the Accountant Simulation Project, an assignment where they will fulfill all steps of the accounting cycle without guidance and then present a completed cycle with notes for future opportunities for their simulated corporations.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

Advertising *P*

GRADES 9, 10, 11, 12 Elective SEM

The Advertising course teaches the principles and practices of advertising as an integral part of marketing communication. The course begins with a look at the professional opportunities available in the advertising field. Students are asked to consider environmental, ethical, and other professional responsibilities. They learn about the marketing research process and the components of advertising using the PESO model. Students apply demographics, segmentation, and the four major sales channels to define target markets and make a sales presentation. In the final Module, students use the knowledge gained about the product cycle to complete a final project simulating a promotional campaign for a new product.

Anatomy and Physiology *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Anatomy and Physiology introduces students to the structures and functions of the amazing body. Students learn about different organ systems and how they work together to maintain life. Some of these organ systems include the circulatory, digestive, integumentary reproductive, and respiratory systems. Students examine different diseases that affect these systems and the treatments (both traditional and new) used to fight these diseases. The development and effects of aging on the different organ systems are explored throughout Anatomy and Physiology.

Art History *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Art History will help students develop skills to recognize and appreciate the diversity of art. The course begins with prehistoric and ancient art before introducing students to the classical art of the Greeks and Romans. Students will survey medieval art before exploring the glory days of art and architecture, the Renaissance. The use of light and shadow to evoke emotion during the Baroque period will impress students as will the whimsical style of the Rococo period. Students will contrast the Neoclassical return to idealized subjects with the Romantic era's imagination. Appreciation of art will grow as students study Impressionist and Post-Impressionist artists such as Monet and Van Gogh. The course concludes with students tracing modern art movements, including expressionism, minimalism, as well as conceptual art and artists, including Rodin, Picasso, Mondrian, and O'Keeffe.

Audio Video Production 1 *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Audio/Video Production I explores foundational principles in both audio design and video production. This course is broken down into four primary sections: preproduction, principal photography, postproduction,and career preparation/portfolio development. Each section focuses on the primary elements found in each phase of production. Preproduction explores topics such as script and storyboard development, production documents, and production planning. Principal photography analyzes key crew roles associated with audio and video production, like the director, sound designer, producer, and actors, as well as shooting techniques, camera gear, and on-set safety. Postproduction delves into topics such as video editing, copyright laws, and sound mixing and design. The course concludes by having the student create an audio/video portfolio, résumé, and cover letter to prepare for entry into college and the professional world.

Bible Literacy New Testament *P*

GRADE 9, 10, 11, 12 Elective SEM

The New Testament (NT) course will equip students with a basic literacy of the NT scriptures. To begin, students will explore the history and characteristics of the NT, survey each book, and recognize the centrality of Jesus of Nazareth. An inquiry into the Christian era will inform students of the NT impact on children, slavery, women, marriage, and education. Students will investigate the profound influence of the NT on politics, limited government, and the concept of justice as seen in important American events including the American Revolution and the U.S. Constitution. Students will understand the effect of the NT on literature after reading selections from Great Expectations, Uncle Tom's Cabin, and other literature. The course concludes with an examination of artwork related to NT events including the life, death, and resurrection of Jesus Christ.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

Bible Literacy Old Testament *P*

GRADES 9, 10, 11, 12 Elective SEM

The Old Testament (OT) course will equip students with a basic literacy of the Hebrew scriptures. The course begins with an examination of the major divisions, authorship, and translations of the OT before surveying each individual book. The second unit examines the impact of the OT on worldview, society and morals, family, human fallibility, modern science, and the value of human life. Students will recognize the impact of Hebrew scriptures on important events and historical documents including the Reformation, the Magna Carta, and the U.S. Constitution. Students will next probe the influence of the OT on language, culture, and literature, including idioms, Shakespeare's Macbeth, Handel's Messiah, Milton's epic poem Paradise Lost, and spirituals. The course will conclude by introducing students to the influence of OT on artworks including The Creation of Adam by Michelangelo.

Business Management *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Business Management is an integral part of the Business, Marketing, and Finance Career and Technical Education clusters. Students will examine evolving views of management with an emphasis on leadership. Next, students will consider ethical case studies and analyze the strengths and weaknesses of various organizational structures. In units 4 through 6, students will analyze the decision-making process as it applies to management issues, such as quality control and improving communication. Beginning with unit 7, students will investigate employee compensation and legal matters concerning hiring and firing. The course concludes with a presentation of practical tools to build one's personal habits and to nurture team building.

Career Preparation 1 *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

In Career Prep, students are given tools to be successful in future careers. The career clusters and their associated career paths are the focus of the course. Students will learn how to survey the job market, fill out paperwork, and thrive in the workplace. Students will create an electronic portfolio throughout the course. The portfolio includes letters of interest to employers, resumés and cover letters, interview preparation documents, a career plan, as well as other reports. The course is designed for students who are currently working and can leverage real-life experience into their course projects.

Child Development *P*

GRADES 9, 10, 11, 12 Elective SEM

Child Development prepares students to understand the physical, social, emotional, and intellectual growth and development of children. The course is designed to help young people acquire knowledge and skills essential to the care and guidance of children as a parent or caregiver. Emphasis is on helping students create an environment for children that will promote optimum development. Students also investigate careers in child development.

Counseling and Mental Health *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course is a Career and Technical Education course for use in the Health Science or Human Services career pathways. The course covers general topics for personal and professional development (soft skills), such as time management, critical thinking, and problem-solving, communication, team building, ethics, and character. It also focuses on many mental health topics, including the history of mental health care, modern mental health care systems, the nervous system, mental health across life stages, stress, depression, and other mental disorders. Students research the professional development of workers in the mental health field, such as the scope of practice, ways to recognize abuse, and methods for adapting to change. Student and professional organizations for career development are discussed as well. The course ends with activities exploring careers and researching training opportunities.

Entrepreneurship *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

The Entrepreneurship course is designed to grow the student's passion for starting, growing, and excelling in business ventures. The student will explore the basics of starting a business, from brainstorming great concepts to execution and profitability. Entrepreneurship includes more than just starting businesses, but explores the ventures of product development, marketing, distribution, and sales. The student will expand his or her knowledge in the areas of proper product and service pricing, financial planning and growth, accounting and bookkeeping, fundraising, marketing research, and business law. The course asks the student to practice the knowledge and skills he or she has gained by developing and writing a business plan for their very own business venture. The student will gain a complete understanding of what it takes to make a business a success and possibly gain a desire to actually start a company from scratch.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

Investigating Careers *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

Lifetime Fitness and Wellness Pursuits *P*

GRADES 9, 10, 11, 12 Electives SEM

Lifetime Fitness and Wellness Pursuits guides the student through a variety of topics relating to physical activities and methods for pursuing a healthy lifestyle. This course is structured to provide both academic knowledge relating to fitness and participation in a variety of physical activities. Subjects studied include biomechanical principles, fitness and equipment safety, anaerobic and aerobic exercises, hydration best practices, social and emotional health, and more. Fitness projects focus on topics including power, speed, reaction time, cardiovascular health, teamwork, and warm up and cool down techniques. Finally, the student will develop both personal nutrition and fitness plans to be consistently utilized within daily life.

Literary Genres *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Logic 1 *P*

GRADES 9, 10, 11, 12 Elective SEM

The Logic I course will improve the critical thinking skills of students through the study of informal logic. The course will challenge students to evaluate whether humans are rational or emotional beings. The majority of the course explores occurrences of faulty reasoning known as logical fallacies. Students will learn to recognize and expose fallacies when evaluating and critiquing arguments. Fallacies covered include appeal to fear, irrelevant thesis, straw man, false analogy, red herring, and misuse of statistics. Students will apply the study of types, components, and principles of argumentative dialogue in preparing a dialogue of their own. During the course, students will consider and analyze Aesop's Fables and "The Cave" by Plato. The course concludes with a comprehensive review of fallacies and a preview of formal logic.

Logic 2 *P*

GRADES 9, 10, 11, 12 Elective SEM

Logic II introduces the student to the world of Aristotelian formal logic. Students will use classical tools, including the Porphyrian tree and Euler's circles to translate arguments into propositions organized within the categorical form. Students will also learn to analyze the validity of arguments using the square of opposition, terminological rules, Venn diagrams, and the Barbara, Celarent, Darii, Ferio mnemonic. The course concludes with an evaluation of presuppositional disputes and a survey of hypothetical syllogisms.

Medical Microbiology

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Medical Microbiology explores the world of tiny (micro) organisms that are responsible for making people sick. Students learn about the common bacteria, viruses, and protists that cause sickness and disease in humans. Medical Microbiology delves into different ways these germs and diseases can spread from person to person, throughout a community, and eventually around the globe while discussing the best practices for stopping them from spreading. Students look into different medications and how they work to kill or slow the growth of different microorganisms. Students will also research why some antibiotic medications are no longer effective against the bacteria that cause disease. Medical microbiology also teaches laboratory skills in how to effectively grow and isolate different colonies of microorganisms in Petri dishes.

Medical Terminology *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Medical Terminology is a course for students with an interest in the medical field. This course provides students with knowledge of Latin and Greek roots, prefixes, and suffixes in addition to combining forms and eponymous terms related to the many systems of the human body. Students are also able to learn more about the many professions, specialists, and treatment plans associated with different areas of the body. This course introduces new ways of looking at the body through the lens of medical terms and their origins.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

Money Matters *P*

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

Money Matters is a CTE course introducing students to basic financial concepts, institutions, and careers. Students will explore professional business practices before surveying financial industry careers. They will then investigate business types and the rights of consumers. A survey of banking is followed by an investigation of credit, loans, and identity theft. Students will examine economic concepts including unemployment, inflation, international business, and the role of the Federal Reserve System. Before exploring taxes and financial records, students will learn the importance of investing and analyze how different types of investments can contribute to a sound portfolio. The course concludes with a look at managing risk through the use of insurance products. Practical projects include reconciling a bank account, preparing a federal income tax Form 1040, and creating a budget.

Music Appreciation *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course is designed to help the non-musician understand music basics, including such topics as reading a musical score, melody and harmony, rhythm, music history (styles by period), music theory, musical genres, instruments, orchestration, and arrangement. The course even covers the creation of musical scores using popular music arrangement software. Other topics include the science of musical sound, health and wellness for performers, classical symphony concerts, besides opera performances and etiquette when attending. The course strives to help non-musicians gain an understanding of the world of music and to become well-rounded individuals.

Principles of Business, Marketing, and Finance *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

The Principles of Business, Marketing, and Finance course will expand the student's knowledge in the many areas of business and free enterprise. The majority of the course takes a comprehensive look at business disciplines such as analyzing goods versus services, economics, financial management, principles of personal finance, marketing, the global economy, and government in business. The student will gain soft skills such as understanding business ethics, leadership, and the management of employees. The student will gain hard skills such as product management, finances, marketing campaigns, and sales. The course then takes a practical look at career opportunities in business and the professional skills needed to excel within the industry. The student will finish the course with a broad grasp on the principles of starting, operating, and managing a successful company.

Principles of Education and Training *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Through an examination of the Principles of Education and Training, students will study the roles and responsibilities of teachers, administrators, and administrative support professionals. Students will analyze the characteristics, qualities, and traits of highly successful educators. Students will evaluate a variety of educational options available on their road to becoming professional educators. Students will also study the opportunities and paths possible when becoming corporate trainers or independent contractors, providing training services to a variety of clients. Throughout this course, students will have learned methods of classroom instruction and ways to develop Lesson plans. Students will use critical thinking skills to develop their own personal philosophy of education. Students will learn via the perspectives of students, teachers, and support professionals using real-life examples and situations to explore what it means to be an "educator for life." Students will end this course by developing a graduation plan that leads to their calling as professional educators.

Principles of Government and Public Administration *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Principles of Government and Public Administration (PGPA) introduces students to careers in public policy. PGPA explores government from the perspective of government and private-sector employees as well as elected officials. In this course, students examine different career avenues and their ethical and professional standards. PGPA introduces students to theories of governmental development alongside the constitutional principles underlying America's federal and unitary forms of government. Students learn about the public official's responsibility to protect citizens' rights to due process and discover how interest groups influence public policy. Students then analyze the effect of policymaking on both the culture and society of the nation and foreign policy. The course concludes with an investigation into the role of government in a free-market economy, including its ability to stimulate invention and innovation.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

Principles of Health Science *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

This CTE course is designed to help prepare students for a career in the health science field. It covers healthcare systems and the roles of team members within these institutions. The course has many opportunities for students to explore the various careers within the healthcare field. It emphasizes the personal and professional skills required to succeed in this arena, including personal character qualities, teamwork, and leadership. Coverage includes the science of healthcare, including measurement, SI system, anatomy and physiology, and safety practices. It covers topics of healthcare at various life stages, from birth to death. Laws and regulations, best practices, and professional ethics are discussed, as well. Because this course has a careers emphasis, other topics covered include career preparation, the role of student and professional organizations, and the state of the health-care career field

Principles of Human Services *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course enables students to investigate careers in human services including counseling, mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand careers. Skills learned in this course includes: responsible decision-making, setting both short- and long-term goals, and knowing how to react to and handle high stress crisis situations.

Principles of Law, Public Safety, Corrections, & Security *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Principles of Law, Public Safety, Corrections, & Security explores the foundational elements of our legal system alongside the work of public servants and first responders. The course begins by taking a broad perspective on the origin of law and the U.S. Constitution. Constitutional rights of citizens are defined and applied to specific areas of public service. In the area of law, the student will analyze the role and importance of the court system, the responsibilities of lawyers, and general courtroom procedures. In the area of public safety, the student will explore the roles of first responders such as police, firefighters, and EMTs. In the area of corrections, the student will learn crime classification, the differences between prisons and jails, and the various levels and functions of criminal courts. The student will also understand the work of both public and private security, including private bodyguards protecting celebrities and security for major public events. By the end of the course, the student will know the careers related to public service and law, the ethical considerations of each, and the pathways required to gain these careers.

Psychology *P*

GRADES 9, 10, 11, 12 Elective SEM

The Psychology course begins with a look at basic social science skills including ethical decision-making and statistical evaluation. After a brief survey of careers in psychology, the student will explore the physical processes of the brain and body systems that shape sense and perception. The student will then study theories of development, personality, and conditioning. Next, students will explore mental processes behind thinking and memory, language acquisition, motivation, and emotions. Students will investigate the levels of consciousness and disorders leading to abnormal behavior. The course concludes with an examination of the individual and social behavior. Students will learn about stress, attitude formation, conflict resolution, conformity and obedience, altruism, and morality.

Speech Communication *P*

GRADES 9, 10, 11, 12 Elective SEM

Speech Communication seeks to improve the interpersonal and public communication skills of students. Surveying the communication process, students will learn the components and functions of communication, differentiate between oral and nonverbal communication, and comprehend the listening process. Developing familiarity with self and personal strengths and weaknesses, students will boost self-confidence as public speakers in situations such as speeches or interviews. The course will culminate with students applying their acquired communication skills in researching, preparing, and giving a speech.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

Virtual Business *P*

GRADES 9, 10, 11, 12 Elective SEM

The Virtual Business course guides students through the basics of starting, operating, and managing an online company. This course is designed for students interested in starting a virtual business by creating a web presence, conducting online and offline marketing, examining and creating business contracts for online business, and exploring project-management systems. The student will also explore bookkeeping processes, applicable legal company business structures, managing telecommuting employees, maintaining business records, as well as entrepreneurship. Virtual Business also guides the student through potential online career pathways by conducting various personality and career pathway assessments. The student will conclude the course by applying learned skills to create a company, including a business plan, branding the business, and creating a website using common website builder tools.

Web Communications *P*

GRADES 9, 10, 11, 12 Elective SEM

In Web Communications, students learn how to be good digital citizens. Rights, responsibilities, and digital communication tools are explored. Students learn how to search and choose valid internet sources for research while gaining a deeper understanding of new technologies. Students dive into the history of the Web and how it has changed over time. Topics such as internet safety, security, and cyberbullying are also analyzed. Using the knowledge gained in the course, students write a web-hosted blog post with HTML coding elements. The course ends with the fundamentals of web design and a project in which students create a simple webpage.

World Health Research *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

World Health Research introduces students to the various risk factors people face globally. The course shows how health outcomes in developed nations differ from those in developing nations. The course analyzes these trends, along with the origins of primary care. The course compares different organizations that identify and monitor global health threats. World Health Research allows students to explore specific research methods and design studies to understand world health problems and their impacts. The course also shows students the effects of infectious and chronic diseases across the globe, discussing emerging medical technologies and the response of the healthcare system. This course concludes with an analysis of ethical concerns regarding global health, the importance of clinical trials, and ways to enact global change.

English 1A (3rd Edition) *P*

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English I launches a four-year journey during which students will confidently master grammar, develop advanced communication skills, and learn to analyze and appreciate challenging literature. The course begins with grammar fundamentals including sentence structure, parts of speech, and phrases and clauses. Students' vocabulary will expand through a study of technology, literary terms, and words with multiple meanings. Culturally diverse texts will emphasize literary elements and techniques while an overview of short and long prose will delve into excerpts from The Odyssey. Reading Animal Farm and Romeo and Juliet will expand the students' literary world. Writing skills will advance as students learn and apply the steps for creating a research paper. The course includes coverage of effective speaking and listening.

English 2A (3rd Edition) *P*

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English II begins with a major focus on grammar to help students become stronger writers. Students then analyze literary genre elements in various excerpts of classical stories. A major focus is the Greek drama, Antigone, by Sophocles. The novel, To Kill a Mockingbird, by Harper Lee is required with this course to study for analysis, as well. Students compare informational texts and have various writing projects. For example, they write an analytical essay on a short story and a persuasive essay that they also present as a speech. Their research paper is about a topic they choose on the Civil Rights Movement in which they construct a multi-media presentation to accompany it. Additionally, this course includes work-related documents with students constructing their own resumés and letters.

English 3A (2nd Edition) *P*

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English III, students focus on the development of American Literature and compare it with ideas and forms of literature around the world. Students review the basics of the language arts, then scaffold with practices of increasing complexity to meet the required grade-level objectives of analytical thinking. Engaging in a step-by-step process, students learn to write complex analyses and argumentative papers. Students also learn principles in research, teamwork, discussion, and presentation skills. The text that should accompany the course is the musical, Fiddler on the Roof, by Joseph Stein. This play highlights literary devices as well as the ideas of immigration and cultural assimilation with supporting literature. Additionally, students explore college and career planning as well as tips for dealing with information in technology today.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

English 4A (2nd Edition) *P*

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English IV emphasizes the interpretation of various types of literature from different time periods. The genres covered include fiction, drama, and poetry. The dramatic play Cyrano de Bergerac is read and studied for its use of language to convey dilemmas and themes. Poetry studies include a survey of British poetry as well as ancient and modern poetry from various cultures and in various periods. Students are also given a wide range of writing assignments. For example, students produce a fiction story and a script. They also write essays evaluating literary elements. The course also includes research and writing arguments with logic. These various writing assignments help prepare students for end-of-course and SAT essay writing. Coverage is also given to analyzing and evaluating media and speeches, as well as using presentation and discussion skills.

Algebra 1 *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra I is a common starting point for high school math studies. A review of fundamental math skills in unit 1 will ensure students are ready for algebraic concepts. Students' math competence will grow as they learn to solve expressions, functions, and equations by using formulas, ratios, proportions, percentages, and rates. Other concepts include exponents and scientific notation, polynomials and trinomials, multi-step inequalities, slope formulas, and systems of equations and inequalities. Students will solve quadratic functions through various methods including graphing, factoring, square roots, completing the square, and the quadratic equation. Using tables and graphs, students will analyze and organize data and statistics. Students will learn to work and solve exponential, radical, and rational functions and equations. The final unit ties algebraic concepts to the study of geometry.

Algebra 2 *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra II will consolidate and build on students' knowledge acquired in Algebra I. After a review of Algebra I concepts, students will take an in-depth look at linear equations, inequalities, and functions. Students will be introduced to matrices, apply Cramer's Rule in solving linear systems, and solve graphs and equations of conic sections. Using graphs, factoring, and the quadratic formula, students will solve quadratic equations, inequalities, and functions. Students will investigate how to graph, factor, invert and solve polynomials, as well as solve rational expressions, radical expressions, fractional exponents, and rational inequalities. Students will examine the properties, transformations, and applications of exponential and logarithmic functions. Applying probability and data analysis, students will determine probability and model data. The final unit will present trigonometric concepts to prepare students advancing to trigonometry.

Geometry *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course, dealing primarily with two-dimensional Euclidean geometry and solid geometry, promotes the development of logical reasoning skills and is useful in many life situations. Beginning with the fundamental concepts of line segments and angles, students will progress to conditional statements, geometric and algebraic proofs, and line relationships. In studying polygons, students will learn the properties of triangles, quadrilaterals, and circles along with geometrical concepts including the Pythagorean Theorem and the relationship of pi (π) to circumference and area in a circle. In the study of solid geometry, students will learn how to determine area and volume for prisms, cylinders, pyramids, cones, and spheres. Students will apply learned geometric skills in working with ratios, similarities, transformations, and symmetry before concluding the course with an inquiry into the fundamentals of trigonometry.

Math Models *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The Math Models course applies mathematical concepts to real-life situations. The course begins with a review of basic math concepts before presenting an overview of geometry, probability and statistics, and problem-solving. Students will learn to conduct and analyze research by collecting and describing data using graphs and models that find application in disciplines as diverse as science, trigonometry, art, architecture, and music. Students will employ theoretical, empirical, and binomial probability to predict the likelihood of outcomes. Using math models, students will better understand personal finance issues including compensation, budgeting, taxes, bank accounts, and compound interest. Applying math models to analyze the pros and cons of credit cards, renting or purchasing a home, leasing or purchasing a vehicle, and investments and insurance will enable students to be smarter consumers.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

Personal Finance *P*

GRADES 9, 10, 11, 12 Mathematics SEM

The Personal Finance course introduces students to strategies and practices that empower them to manage their money wisely. Students first perform a self-analysis to discover their money personality. A study of good consumer habits includes a comparison of renting and buying. Students learn the steps to building wealth, including building an emergency fund, evaluating and embracing risk when investing, and using credit sparingly and wisely. A survey of consumer rights accompanies the steps recommended to protect one's personal information. Students survey types of insurance and evaluate the role of each in limiting personal financial risk. The course concludes with an entire Unit dedicated to evaluating higher education opportunities, costs, and funding.

PreCalculus *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Precalculus explores a wide variety of mathematical concepts with the goal of preparing students for calculus or other college-level math courses. A review of number properties, factoring, the quadratic formula, and the Cartesian coordinate system will prepare students for advanced math concepts. Students will use graphing calculators to plot graphs and solve equations. Students will learn to solve a variety of problems including parent functions, transformations, even and odd functions, domain and range, operations, linear functions, regression, correlation, quadratic functions, polynomials, asymptotes, and exponential, logistic, and logarithmic functions. Trigonometric studies include angle measurement, arc length, functions, reciprocal and quotient identities, Pythagorean identities, sines, and cosines. Sequences and series precede inquiries into the characteristics and applications of conic sections and vectors. The course concludes with an investigation into parametric equations and polar equations.

Aquatic Science *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Aquatic Science students will test, predict, and learn about water and things pertaining to water. The first unit will guide students to think of water as a system. Learning the chemistry and physics of water, students will complete a course project by applying scientific methods to collect and analyze data on a local body of water. A survey of the physical properties of the ocean, including their formation and composition, will precede an inquiry into how the atmosphere and sun interact with the hydrosphere to create weather. Students will examine the elements and properties of aquatic ecosystems, including aquatic biology and marine and freshwater ecosystems. In the final unit, students will consider the relationship between humans and water, including challenges such as population growth competing for resources with agriculture and industry.

Astronomy *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

Beginning with a look at astronomy's history, students will recognize the contributions of Ptolemy, Copernicus, Galileo, and Newton to our understanding of the universe. The second unit investigates telescopes and detectors such as radio receivers. An examination of the characteristics and processes of the Sun will be followed by a look at the terrestrial planets: Mercury, Venus, and Mars. After studying the Earth-Moon system, students will explore facts about the minor planets, Jupiter, Saturn, and the outer planets. Moving beyond the solar system, students will learn the characteristics of stars, galaxies, and deep space objects. Students will better appreciate the night sky after learning the constellations and will ponder the origin and fate of the universe with an inquiry into impermanence, special and general relativity, and cosmology.

Biology *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Biology, students will develop an appreciation for the living world. A brief history of biology followed by an investigation of the basic unit of life—the cell—will prepare students for deeper research. Students will explore topics concerning genetics, including meiosis, heredity, and DNA. Students will consider natural selection, the origin of life theories, and the mechanics of evolution. An exploration of "little critters" such as bacteria precedes a study of plant structures, processes, and reproduction. Students will inquire into animal behavior and characteristics as they study invertebrates, amphibians, reptiles, birds, and mammals, among others. An inspection of nutrition and disease will lead students to examine human body systems. The course will conclude with an analysis of the interdependence of living things in ecosystems.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

Chemistry *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

A foundational branch of physical science, the principles, and laws of chemistry find many applications in business, technology, health care, and other fields outside traditional scientific areas. Beginning with a look at measurements, calculations, data analysis, and the scientific method, students will investigate the properties of elements, compounds, and mixtures. A survey of the history of theories of atomic structure will lead students to Mendeléev's periodic table and an inspection of the periodic law. Next, students will apply atomic theory in the study of molecular and chemical bonding interactions through chemical formulas, reactions, and stoichiometry. Students' knowledge will expand as they learn about the states of matter, gas laws, solutions, acids and bases, thermochemistry and reaction kinetics, and oxidation-reduction reactions. The course concludes with inquiries into organic chemistry, biochemistry, and nuclear chemistry. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Earth Science *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Earth Science, students will learn about different Earth systems, how they interact with each other, and how humans impact these systems. Students will look at the scientific bases for land, water, atmosphere, and biosphere systems; discuss several environmental problems; analyze possible solutions; delve into laws already in existence; and discuss any possible future laws. Critical thinking will be required, as well as the ability to argue points from both sides of an issue. Throughout the course, there will be lab investigations, including video labs, to reinforce scientific concepts and skills.

Physical Science *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Physical Science, students will learn many fascinating chemistry and physics concepts. Students have a brief introduction to the scientific method, lab safety, and the metric system. The study of chemistry begins with the atomic theory and the Periodic Table, applying theory to develop chemical formulas and balance equations. The course includes investigations into acids and bases, gas laws, and nuclear chemistry. Students explore Newton's laws of motion and other physics concepts including mass, force, motion, velocity, acceleration, gravity, and energy. A study of electricity and magnetism, simple machines, the laws of thermodynamics, and energy waves rounds out the physics portion of the course. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Physics *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In this course, students will learn physics concepts, including matter and energy, motion and force, speed, velocity, and acceleration in order to better understand how the universe behaves. A survey of the historical development of physics as a foundational branch of science will lead to recognition of the contributions of Newton, Einstein, Planck, and others. Students will apply physics concepts as they study gravity and acceleration, momentum, motion, and energy. The concepts of work and power will become evident as students learn how machines use torque and force to accomplish work. Students will recognize the roles of each fundamental force and will investigate electrostatics, thermodynamics, waveforms, particles, and quantum physics. Following an examination of the nucleus, radioactivity, fission, and fusion, the course concludes with the theories of special and general relativity. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Economics A (2nd Edition) *P*

GRADES 9, 10, 11, 12 Social Studies SEM

The Economics course begins with a survey of the basic principles concerning production, consumption, and distribution of goods and services within the free enterprise system. Students will examine the rights and responsibilities of consumers and businesses, analyze the interaction of supply, demand, and price, and study the role of financial institutions. Types of business ownership, market structures, and basic concepts of consumer economics will be surveyed. The impact of a variety of factors including geography, government intervention, economic philosophies, historic documents, societal values, scientific discoveries and technological innovations on the national economy, and economic policy will be an integral part of the course. Students will apply critical- thinking skills to create economic models and to evaluate economic activity patterns. Students will also examine the knowledge and skills necessary as self-supporting adults to make critical decisions relating to personal financial matters such as seeking college financial aid, using credit wisely, and balancing financial accounts.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

United States Government *P*

GRADES 9, 10, 11, 12 Social Studies SEM

U.S. Government commences its examination of American democracy with a general overview of the purpose, types, origin, and formation of governments. Students will explore how colonial self-rule, English law, and weaknesses in the Articles of Confederation influenced the formation of the U.S. Constitution. Students will investigate the principles of the Constitution and the federal system. The purpose, powers, and relationships among the American institutions of self-government—Congress, Presidency, and the Judiciary—will be examined as well as federal, state, and local governments. Students will become aware of their civic responsibility to vote and participate in the governmental process as they gain understanding of the functions and organization of political parties, the evolution of the two-party system, and the influence of public opinion and political ideology on government decisions.

United States History *P*

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

U.S. History Since 1877 details the American story from Reconstruction to the present day. Beginning with western expansion, students will analyze the impact of events including the rise of cities and capitalism, the Alaska Purchase, and the Spanish-American War. Students will understand how technological advances including the assembly line and harnessing electricity, as well as the Progressive agenda of societal reform, influenced American prosperity. Students will consider America's rise to a world power during World War I before probing events leading up to World War II, including the Great Depression. Students will examine the momentous war and its consequences, including the Cold War and the Korean War, and investigate later 20th-century events, including the Reagan era and the Persian Gulf War. The course concludes with a look at recent events, including the War on Terrorists.

World Geography *P*

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In World Geography, students will learn the six essentials of geography: spatial terms, places and regions, physical systems, human systems, environment and society, and uses of geography. After a broad survey of Earth's structure, hydrosphere, and climates, the focus of each unit narrows to a particular region of the world. By examining the physical geography of each region, including water resources, climate, vegetation, and natural resources, students will understand the influence of geography on economic activities, human culture, and history. In addition, students will investigate the impact of human activity on the environment, including pollution and development, and consider the implications.

World History *P*

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

World History is a survey of the development of civilizations from prehistoric times to the present. The journey begins with ancient civilizations including Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. Students will analyze developments in Africa, Asia, and Europe during the Middle Ages, including the Crusades. Students will understand how the Renaissance and Reformation provided a springboard for the Age of Reason and the Scientific Revolution. An inquiry into events such as the American War of Independence and the French Revolution will prepare students to consider the great advances and social upheaval sparked by the Industrial Revolution. Students will probe the causes, events, and consequences of the two world wars and the rise and fall of Communism. The course concludes with a look at developments shaping current events.

B-Auto Graded Mastery Based
Catalog

The **B-Auto Graded Mastery Based** curriculum catalog is a true academic accelerator, with dynamic media-rich, digital or print curriculum in core and elective subjects. This catalog offers schools the ability to assign courses to students with 100% computer graded assessments throughout the entire course.

The adaptable program can monitor a student's progress, identify learning needs and track mastery of their skills. Students will experience a variety of instructional content that is academically challenging yet visually engaging to stimulate the educational mind and encourage academic discovery.

The courses are offered as Semesters 1 and 2, as well as Year-long. Each semester contains 5 units on instruction. The courses follow a consistent instructional design containing lessons, activities, quizzes, practice tests, unit tests, and final exams. There are also discussion forums, projects, labs, and SEL (Social/Emotional Learning) content throughout many of the courses. All courses have access to the text-to-speech toolbar.

Each unit folder contains a pre-test. Depending on the student's mastery of objectives on the pre-test, lessons may automatically be excused for the student. Course activities are not excused by the pre-test. Quizzes are intentionally hidden in the course to prevent students from being assessed on content that has already been excused.

Hidden Items (if applicable)
Unit quizzes, teacher guide, labs, projects, and discussions

Default Weights*

Pre-tests	0%	Quizzes	0%
Lessons	40%	Unit Tests	45%
Projects and Labs	0%	Practice Tests	0%
Activities	0%	Final Exam	15%

*Weights can easily be adjusted to teacher's preference

Elementary

P **Optional Printed Materials Available**

Grade K

MB K ELA – Language Arts *P*

GRADE K Language Arts S1 | S2 | YEAR

Kindergarten Language Arts introduces students to a variety of literary and informational texts. Students will learn about basic story elements and plot sequences through classic pieces of children's literature. First, students will explore nursery rhymes, such as "Hickory Dickory Dock." Then, students will move on to fables, fairy tales, and folk tales, such as "Sleeping Beauty" and "The Three Little Pigs." This course will also teach students how to use informational texts for learning. Students will learn the parts of a book and how to use text features to gain understanding. In each Unit, students will complete fun activities that bring texts to life. Students will demonstrate their ability to describe stories, make connections, and use standard English conventions in a variety of ways, including speaking and drawing.

MB K ELA – Phonics, Spelling, and Penmanship *P*

GRADE K Language Arts S1 | S2 | YEAR

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 68 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Once students can effortlessly read individual words, they are then ready to comprehend sentences. For penmanship, students learn and practice proper sitting posture, correct pencil grip, directions for paper slant, and the steps for writing manuscript. When students can form letters with automaticity and ease, they can focus on what they want to say. Writing by hand creates kinesthetic memories of letters, which also helps students learn how to read.

MB K Mathematics *P*

GRADE K Mathematics S1 | S2 | YEAR

Kindergarten Math explores fundamental concepts of numbers, helping students to make connections between concrete objects and numbers. For the numbers 1-20, students learn to recognize word forms, identify and write numerical values, and compare numbers using symbols (<, >, =). Students master counting to 100 and skip counting by tens. Students learn that addition is the joining of numbers, and subtraction is the separation of numbers. The course teaches students addition and subtraction to 10 using models, pictures, number bonds, and number lines. Other concepts covered in this course include shapes and their attributes, measurements, data collection and sorting, picture graphs, and financial literacy. Throughout the course, students get hands-on experience and practice counting with manipulatives, number lines, and charts. Colorful, clear, and engaging visuals are used throughout the course to enhance student learning.

MB K Science *P*

GRADE K Science S1 | S2 | YEAR

Kindergarten Science lays the foundation for investigation and reasoning in science. The course includes three main domains; life science, Earth and space science, and physical science. Students will develop a basic understanding of science and skills necessary to conduct experiments, such as how to ask questions, communicate ideas, and make observations using the five senses. Students will engage in life science concepts, including animal parts and characteristics, plants and their life cycle, and basic needs of all living things. In Earth and space science, students will explore patterns in the natural world by observing and comparing different rocks, soil, and water. The course develops the student's understanding of objects in the sky and the patterns they create, such as day and night, seasons, and weather. Students will discover the concepts of matter and energy by exploring the physical properties, location, and motion of objects and materials.

MB K Social Studies *P*

GRADE K Social Studies S1 | S2 | YEAR

Kindergarten Social Studies introduces young learners to the social sciences. The course starts with an invitation to learners to investigate how people use jobs to meet basic needs and wants. Next, students will discover how traditions, kinship, and religion shape each family's culture. An introduction to basic map skills is followed by a survey of basic landforms and bodies of water. The course then transitions into a study of the role of leaders, the relationship between government and rules, and an introduction to national symbols including the U.S. flag. Students will discover the meaning behind selected patriotic holidays before concluding the course with a look at how technology affects our lives.

Elementary

P **Optional Printed Materials Available**

Grade 1

MB 1st ELA - Grammar and Penmanship *P*

GRADE 1 Language Arts FLEX)

1st Grade Grammar and Penmanship teaches students to communicate clearly in writing. Through penmanship instruction, students will learn how to form all lowercase and uppercase manuscript letters. Each penmanship Lesson reinforces the letters, phonograms, and words that are introduced in the corresponding Phonics and Spelling Lesson. Through grammar instruction, students will learn the purpose of words, sentences, and punctuation. Students begin by learning about parts of speech and parts of sentences and build up to whole sentences and punctuation rules. Throughout the course, students will construct their own writing handbook. The handbook will include examples of manuscript letters as well as grammar terms and rules. The course culminates in students writing correspondences to authentically practice grammar and penmanship.

MB 1st ELA - Phonics and Spelling *P*

GRADE 1 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words, focusing on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. Students will use spelling rules learned in kindergarten as well as learn additional rules to help them spell and read a variety of words. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

MB 1st ELA - Reading and Composition *P*

GRADE 1 Language Arts FLEX)

In 1st Grade Reading and Composition, students will explore the patterns of literary and informational texts. The course begins by providing explicit instructions for academic vocabulary and comprehension skills. Then, each Unit guides students through the process of close reading. Students will read a variety of literature, including fun and classic pieces such as “Twinkle, Twinkle, Little Star” and “Goldilocks and the Three Bears.” Students will practice using reading strategies to understand the literal meaning and purpose of a text. Students will also learn how to use evidence to make predictions and inferences about texts. At the end of each Unit, students will apply their learning of texts by composing their own texts.

MB 1st Mathematics

GRADE 1 Mathematics S1 | S2 | YEAR

In 1st Grade Math, students will extend their understanding of number concepts from 0 to 120. The course starts with a review of kindergarten concepts and introduces place value. Students will compare numbers using symbols (<, >, =) and number lines. The course teaches students addition and subtraction using multiple methods. The methods include composing and decomposing numbers with number bonds, number lines, hundreds charts, doubles, doubles plus one, ten less ten more, place value models, expanded and standard forms, and algorithms. These methods are also used for missing values and story problems. Other concepts covered in this course include shapes and solids, fractions, measurements of length and time, data collection, pictographs and bar graphs, and financial literacy and U.S. currency. Throughout the course, students practice addition and subtraction math facts for numbers up to 20. Each Unit also has hands-on activities and projects to further students’ understanding of spiraling concepts.

MB 1st Science *P*

GRADE 1 Science S1 | S2 | YEAR)

In 1st Grade Science, students use inquiry and the five senses to learn about and explore the natural world. Students will develop the skills needed to ask questions and seek out answers, including making predictions and observations, collecting data, and organizing data. Students will explore three main domains of inquiry; life science, Earth and space science, and physical science. In life science, students further their understanding of living versus nonliving things and the basic needs of living things. Earth and space science includes the cycles and systems of the natural world, such as rocks, soil, and water. In physical science, students will investigate and classify matter by its properties, predict changes to materials when they are heated and cooled, describe the importance of light, heat and sound energy, and demonstrate that objects move in different ways. Throughout the course, students engage in asking questions, communicating ideas, and using scientific tools.

Grade 1 continued

Elementary

P **Optional Printed Materials Available**

Grade 1 (continued

MB 1st Social Studies *P*

GRADE 1 Social Studies S1 | S2 | YEAR

This course builds on basic concepts introduced in kindergarten. The first two Units will teach students to use geography tools to interpret maps and globes. The focus then shifts to government. Learners will investigate how the United States was formed, survey the structure of our government, and identify and analyze the meaning of national symbols. Students will next study the role of states before learning about citizenship. Unit 8 will introduce learners to patriotic, community, and family customs and traditions. Students will then investigate basic economic concepts including goods, services, choices, spending, and savings before concluding the course with an examination of how technology changes the way humans work and play.

Grade 2

MB 2nd ELA - Grammar and Penmanship *P*

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as "The Lion and the Mouse" and "Cinderella." It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text's genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author's purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

MB 2nd ELA - Phonics and Spelling *P*

GRADE 2 Language Arts FLEX

Phonics, Spelling, and Penmanship teaches students how to read and write letters and words. It focuses on the mechanics side of language. This course explicitly and systematically teaches students the letter sounds in the English language. Students will acquire automaticity of 72 different phonograms by continually reviewing the letter sounds through listening, speaking, reading, and writing. The immediate recall of sounds and letters is necessary for students to become better readers, spellers, and writers. This course prepares a student to read by explicitly and systematically teaching how to spell and read individual words. Students will use spelling rules learned in 1st grade as well as learn additional rules to help them spell and read a variety of words with increasing complexity. Once students can effortlessly read individual words, they are then ready to comprehend and write sentences.

MB 2nd ELA - Reading and Composition *P*

GRADE 2 Language Arts FLEX

In 2nd Grade Reading and Composition, students will strengthen their understanding of patterns in texts. Each Unit provides a combination of literary and informational texts. Students will learn how a poem, a story, and an informational text can convey different messages about the same topic. The course provides a variety of literature, including fun and classic pieces such as "The Lion and the Mouse" and "Cinderella." It also provides contemporary informational texts such as a news article from 2020 about Baby Yoda. Students will build effective reading habits by practicing reading strategies before, during, and after reading. Before reading, students will learn vocabulary words that appear in the text and reflect on their background knowledge of the text's genre. During reading, students will confirm predictions and answer questions. After reading, students will discuss the author's purpose and make connections. At the end of each Unit, students will apply their learning to their own lives by investigating a topic or composing a text.

MB 2nd Mathematics *P*

GRADE 2 Mathematics S1 | S2 | YEAR

2nd Grade Math extends students' understanding of number concepts and place value up to the number 1,200. The course starts with teaching students to read and write numbers in different forms. Students will compare numbers using symbols (<, >, =) and number lines. Students will also learn about even and odd numbers. The course teaches students addition and subtraction using multiple methods and spiraling. Methods include composing and decomposing numbers with expanded and standard forms, number lines, hundreds charts, place value models, and algorithms. These methods are also applied in solving one- and two-step word problems. Students learn to use mental math to add tens and hundreds. The mental math also helps students better understand place value. Other concepts covered in this course include fractions, multiplication and division, geometric shapes, measurements, time, data from pictographs and bar graphs, money, and financial literacy. Throughout the course, students practice addition and subtraction math facts for numbers up to 20.

Grade 2 continued

Elementary

P **Optional Printed Materials Available**

Grade 2 (continued)

MB 2nd Science *P*

GRADE 2 Science S1 | S2 | YEAR)

In 2nd Grade Science, students learn and practice fundamental science concepts. It addresses the need for students to read information for themselves, while giving students opportunities for hands-on science investigations. The course carefully introduces students to new vocabulary with support through regular repetition of key words. The students are introduced to scientific investigation and reasoning, as well as science tools and lab rules. Students will learn to identify and demonstrate how to use, conserve, and dispose of natural resources and materials by conserving water and reusing or recycling paper, plastic, and metal. Covered topics include matter, energy, force, motion, natural resources, space, and organisms, such as plants and animals.

MB 2nd Social Studies *P*

GRADE 2 Social Studies S1 | S2 | YEAR

2nd Grade Social Studies introduces students to basic government, citizenship, history, economic, cultural, and geographic concepts. This is accomplished as they investigate communities, neighborhoods, holidays, symbols, monuments, the continents and oceans, and the virtues of the free enterprise system. The course begins with a look at rural, suburban, and urban communities. Students then learn about local neighborhoods and the people who live and work in them. The concept of neighborhood expands as the course progresses to include the state, nation, and world. Along the way, students will meet good citizens who helped their communities, including John Hancock, Sojourner Truth, and the Navajo Code Talkers. Grade 3

MB 3rd Art *P*

GRADE 3 Elective S1 | S2 | YEAR

The study of art in 3rd Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

MB 3rd Health *P*

GRADE 3 Elective S1 | S2 | YEAR

The 3rd Grade Health course builds on the knowledge and skills learned in the second grade. In this course, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, this course helps students learn personal/interpersonal skills needed to promote individual, family, and community health. Several projects help the student expand health thinking and practice skills learned in the course.

MB 3rd Music *P*

GRADE 3 Elective S1 | S2 | YEAR

The study of music in 3rd Grade focuses on basic sight-reading skills, performing folk dances, and learning the history of folk music in America. Students will learn to play songs in 2/4 and 4/4 time signatures on the soprano recorder. Virtual games teach students to listen for changes in dynamics, count the number of beats, and recognize where measures start and end. By the end of the year, students will know how to read music and play the recorder. They will also know how to clog-dance and how to behave during a formal music concert. The goal of the 3rd Grade Music course is to learn musical performance, active listening skills, and mindfulness in a fun and relaxed environment.

MB 3rd Language Arts *P*

GRADE 3 Language Arts S1 | S2 | YEAR

This course provides students instruction and practice in reading, comprehending, and analyzing various genres. Students will also learn skills to become stronger writers while creating texts for various purposes. Students will complete basic research tasks. In addition, students will learn spelling, grammar, and conventions to strengthen their writing. They will also learn and practice skills and strategies to build their vocabulary. Students will further their communication skills by listening, speaking, and working with peers. Students will also learn and utilize cursive writing.

Grade 3 (continued)

Grade 3 continued

MB 3rd Mathematics *P*

GRADE 3 Mathematics S1 | S2 | YEAR

The primary focal areas in 3rd Grade Math are place value, operations of whole numbers, and understanding fractional units. Students will learn the purpose of rounding numbers and learn

Elementary

P **Optional Printed Materials Available**

to identify values on a number line. Students will perform the operations of addition, subtraction, multiplication, and division. They will learn and practice multiplication through 10. They will also learn to model division in different ways, including grouping and using arrays. The mathematical strands of algebraic reasoning, geometry and measurement, and data analysis are presented and practiced. The use of tables, graphs, and charts is thoroughly explained, and concepts of financial literacy are also covered.

MB 3rd Science *P*

GRADE 3 Science S1 | S2 | YEAR

The study of science in 3rd Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making tables and graphs. Students use tools such as collecting nets, sound recorders, and spring scales to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; describing the forms of energy; investigating how forces cause change; describing rapid changes to Earth's surface; comparing different landforms; creating models of the solar system; understanding the structures of living organisms and how they interact with each other and the environment, and comparing life cycles of different plants and animals.

MB 3rd Social Studies *P*

GRADE 3 Social Studies S1 | S2 | YEAR

The theme of 3rd Grade Social Studies is community. Students will compare and contrast different types of communities and discover how cultural diversity adds richness and meaning to life in communities. As the course progresses, students will be introduced to the concept of living in a larger world community. They will learn about heroic men and women who overcame adversity and made their communities better places to live. Students will apply map-reading skills and examine source documents that will help them place communities and events in geographical and historical context. Students will learn that they have a responsibility to improve their communities and will identify ways to participate through nonprofit groups, government, and the free enterprise system.

Grade 4

MB 4th Art *P*

GRADE 4 Elective S1 | S2 | YEAR

The study of art in 4th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

MB 4th Health *P*

GRADE 4 Elective S1 | S2 | YEAR

In 4th Grade Health, the student acquires the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. In addition to learning age-specific health information on a variety of health topics, students learn how their behaviors affect their body systems. Students are taught the consequences of unsafe behaviors while using social skills to deal with peer pressure and communicate effectively.

MB 4th Music *P*

GRADE 4 Elective S1 | S2 | YEAR

The study of music in 4th Grade opens the gateway into exciting development. Building upon the basics covered in 3rd Grade (while still teaching these basics in order to function as a stand-alone Course), 4th Grade music allows students the opportunity to learn how music recording and distribution has changed over the years. Students will learn to conduct and play music on the recorder in 2/4, 3/4, and 4/4 time signatures while also learning different musical forms. 4th Grade music has a focus on Texas heritage, noting the influence of Mexican-American, African-American, and European immigrant culture on the music and dancing of the state. Students will listen to great examples of music from a variety of instruments, historical recordings, and cultures as their understanding and respect for different varieties of music increases.

Grade 4 (continued)

MB 4th Language Arts *P*

GRADE 4 Language Arts S1 | S2 | YEAR

Covering 4th Grade ELAR objectives, this course builds upon third-grade skills and vocabulary development. The focus is

Grade 4 continued

Elementary

P **Optional Printed Materials Available**

reading comprehension of main ideas, details, and themes. Students also keep a reading journal and compare different genre elements. Students write narratives and various essays, including a persuasive essay and an informative research paper. They also evaluate graphic elements, media, and speeches. In the area of cooperative learning, students practice good listening and discussion skills. Additionally, they use technology to make a presentation and self-evaluate their performance.

MB 4th Mathematics *P*

GRADE 4 Mathematics S1 | S2 | YEAR

The primary focal areas in 4th Grade Math are the use of operations, fractions and decimals, and describing and analyzing geometry and measurement. Students will practice multiplication and divide 4-digit numbers by single-digit divisors. They will also learn about estimating quotients. Students will learn and practice addition and subtraction of fractions. Algebraic concepts will include working with equations and solving multi-step problems. Perimeter and area problems will also be performed. Financial literacy topics are also covered.

MB 4th Science A *P*

GRADE 4 Science S1 | S2 | YEAR

The study of science in 4th Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making graphs. Students use tools such as beakers, compasses, and balances to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; predicting how matter changes with heating and cooling; describing the forms of energy and its cycles; understanding slow changes to Earth's surface; recognizing weather patterns and using weather maps; understanding the structures and relationships of living organisms and their environment; illustrating and comparing life cycles of different plants and animals; and investigating patterns in the Sun, Earth, Moon system, including shadows and lunar phases.

Grade 5

MB 5th Health *P*

GRADE 5 Elective S1 | S2 | YEAR

In 5th Grade Health, the students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. Skills are taught in seeking guidance in the area of health from parents, how personal behaviors can increase or reduce health risks throughout the lifespan, how health is influenced by a variety of factors, and how to recognize health information and products. Beyond physical health, students are taught about the human body and the changes that come with puberty. Students are taught how to maintain healthy body systems and prevent disease. Students also learn how technology and the media influence personal health and how to apply problem-solving skills to improve or protect their health.

MB 5th Music *P*

GRADE 5 Elective S1 | S2 | YEAR

The study of music in 5th Grade integrates singing into the student's musical experience. The 5th Grade course enhances sight singing skills by adding in new examples with different key signatures and compound time signatures. Musical form is taught through activities that allow students to express themselves and talk freely about the music and films they prefer, while also providing the critical vocabulary needed to describe this music in a more polished manner. Cultural representation is a key factor in 5th Grade Music, with African-American, Native-American, American Sign Language, and European immigrant representation. Students will finish the 5th Grade Music course with a greater understanding and appreciation for the music of the different cultures around them.

MB 5th Language Arts *P*

GRADE 5 Language Arts S1 | S2 | YEAR

All standard conventions of English grammar are thoroughly covered. Vocabulary and spelling are spiraled throughout and include word roots, affixes, use of the dictionary, and using context. Students will read and analyze all major genres and be asked to imitate each in their own writing. Students analyze the novel Number the Stars. The students compose all forms of writing required by the state standards and are given detailed instructions in formal research and essays. A section on media literacy is included. Many lessons require peer collaboration. Fluency in reading aloud is taught overtly.

Grade 5 (continued)

MB 5th Mathematics *P*

GRADE 5 Mathematics S1 | S2 | YEAR

5th Grade Math will develop students' mathematical problem-solving skills. Beginning with an overview of place values, students will learn to regroup numbers and estimate sums and

Grade 5 continued

Elementary | Middle School

P **Optional Printed Materials Available**

differences. Students will learn to multiply and divide numbers with more than one digit. Proficiency will be gained in adding, subtracting, multiplying, and dividing fractions and whole numbers. Students will solve problems using basic numerical and algebraic expressions. Geometry includes lines, angles, polygons, and polyhedrons. Customary and metric measurements will be used to solve problems. Students will organize and present mathematical data using line graphs, scatterplots, bar graphs, and other visual aids. The course concludes with the application of math skills in the study of financial concepts.

MB 5th Science *P*

GRADE 5 Science S1 | S2 | YEAR

The study of science in 5th Grade includes conducting descriptive and experimental investigations using scientific methods, analyzing data, and making models. Students use tools such as beakers, magnets, and spring scales to collect, analyze, and record information. In this integrated science course, students classify matter by its physical properties; describe the forms of energy and its cycles; investigate how forces cause change; diagram changes to Earth's surface; compare Earth's renewable and nonrenewable resources; understand the structures of living organisms and how they interact with each other and the environment; and recognize patterns in the Sun, Earth, Moon system.

MB 5th Art *P*

GRADE 5 Elective S1 | S2 | YEAR

The study of art in 5th Grade begins by exploring the basics of art, including the elements of art and principles of design. In this integrated art course, students explore the many ideas and themes found throughout art history. Each Module advances students' art skills by requiring hands-on Projects, utilizing the skills studied and gained in each Lesson. Students utilize multiple art tools and technologies to produce a variety of mediums. Projects include creating drawings, paintings, prints, sculptures, ceramics, mixed media, installation art, digital art, and photography. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

MB 5th Social Studies

GRADE 5 Social Studies S1 | S2 | YEAR

The 5th Grade Social Studies students will engage in a broad survey of U.S. history. Beginning with the discovery of the Western Hemisphere during the Age of Discovery, students will follow the transformation of the United States from a wilderness in the 17th century to a world power during the 20th century. Students will examine founding documents and analyze how government, political parties, and the free enterprise system have shaped the development of the United States. Geographical skills will be tested as students memorize the location of all 50 states and the names of their capitals. In addition, students will examine their rights and duties as citizens and analyze the impact of technology and culture on the lives of Americans.

Grade 6

MB 6th Health *P*

GRADE 6 Elective S1 | S2 | YEAR

In 6th grade Health, students are encouraged to continue good health practices learned at home. These practices include hygiene, nutrition, medical and dental care, and personal health choices. Coverage is given to sorting through information to make choices among health products. Attention is given to navigating social pressures, puberty, and reproductive processes. Students are given the opportunity to refine their critical thinking skills by evaluating the consequences of their decisions and actions. They are guided to understand that their decisions have consequences not only to themselves, their friends and families, but also to the community at large. By learning to find and evaluate health materials and understand the consequences of their actions, students are being equipped to make good choices and ensure good health throughout their lives.

MB 6th Language Arts *P*

GRADE 6 Language Arts S1 | S2 | YEAR

This course provides an overview in reading/comprehension of various genres including fiction and non-fiction. Students read the novel Hatchet by Gary Paulsen and analyze the main character's development. Various activities emphasize informative and fiction writing, including planning, research, use of organizers, drafting, revision, and editing. Instruction also includes grammar basics and mechanics such as combining sentences and using correct punctuation. Analytical exercises consist of comparing genres, evaluating media, and identifying and using persuasion. Additionally, students practice necessary life skills such as communication and presentation, reflecting on the importance of collaboration in teamwork

Grade 6 (continued)

MB 6th Mathematics A (2nd Edition) *P*

GRADE 6 Mathematics S1 | S2 | YEAR

Sixth grade math has a primary focus in the area of numbers and their operations, proportionally, expressions and equations,

Grade 6 continued

Middle School

P **Optional Printed Materials Available**

geometry, measurements, and statistics. Students are exposed to concepts, including fractions, decimal operations, and ratios. They learn and practice the geometric principles of area and volume. In algebra, students learn to balance equations, solve inequalities, and perform functions. Students are also taught and given the opportunity to practice statistical representations and interpretation of data. Further topics on financial literacy are also covered in this course.

MB 6th Science

GRADE 6 Science S1 | S2 | YEAR

6th Grade Science is an integrated course surveying essential concepts in physics, geology, chemistry, astronomy, and biology. Students will investigate elements and compounds while learning the basics of chemistry. Students will examine different forms of energy and the laws of motion. An investigation of the structure of the earth will precede a study of the characteristics and properties of rocks, minerals, and fossils. A study of astronomy, including galaxies, stars, and the solar system will provide a context in which students will consider the history and future of space exploration. The course concludes with an inquiry into cells, classification, and ecology. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

MB 6th Social Studies *P*

GRADE 6 Social Studies S1 | S2 | YEAR

The World Cultures course seeks to expand the knowledge of students beyond their local community to appreciate the diversity of the world at large. The course begins with a survey of ancient civilizations and the development of the Middle East's three major religions. In unit 2, students will study the classical foundations of Western civilization and survey European nations. Unit 3 surveys American history, culture, and the role of citizens. The remainder of the course takes students on a whirlwind tour of dozens of many nations around the world, exploring the history, geography, governmental systems, customs, and cuisine of each.

Grades 6, 7, 8

MB Middle School Art *P*

GRADES 6, 7, 8 Elective S1 | S2 | YEAR

The study of Middle School Art integrates visual literacy skills using critical thinking, imagination, and the senses to explore the world through the use of elements of art and principles of design. The student explores ideas from life experiences about self, peers, family, and community and uses the imagination to integrate them into original works of art. Creative expression is emphasized throughout the course as numerous works of art will be created using several art mediums such as drawings, paintings, prints, sculptures, modeled forms, fiber works, mixed media, installation work, digital art, and photography. Historical and cultural relevance in art is explored while analyzing styles, historical periods, and a variety of cultures. The course explores critical evaluation and response to the artworks of the student and others. The course concludes with an exploration of available art and career opportunities along with the creation of a professional art portfolio showcasing the work created throughout the course.

MB Middle School Health *P*

GRADES 6, 7, 8 Elective S1 | S2 | YEAR

This course is designed to give middle school students the information they need to have health for a lifetime. This includes how to make good decisions about health. Issues covered include eating disorders, stress-related emotional disorders, coping with stress, peer pressure, relationships, as well as use and misuse of prescription, illegal, and OCT drugs. Adolescence and puberty are presented. The course also presents safety and first aid, including first on-scene responses such as CPR, choking rescue, and use of an AED. Students are given instruction on avoiding danger, abuse, and violence. This discussion includes information about gangs and weapons. Students are given tools to enhance their own social skills and improve their outlook for personal and community health. They are taught the importance of respect for themselves and others, including preventing bullying behavior. Students are exposed to long-term strategies and goal setting, as well as career information and outlooks in health-related industries.

Grades 6, 7, 8 continued

Middle School

P **Optional Printed Materials Available**

Grades 6, 7, 8 (continued)

MB Middle School Investigating Careers *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In this course, students are introduced to various aspects of the workplace and are given guidance in career preparation. This includes guidance toward becoming work-ready, for job acquisition skills, for continued training for job advancement, and for work-life balance. Topics include self-evaluation for career choice, the labor market, personal and professional development, getting a first job, personal characteristics for work, and making decisions. The importance of teamwork and leadership are a main emphasis in the course. The course includes instruction on using online tools to review and assess interest in various careers.

MB Middle School Music *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

Taking a more classical approach, the study of music in middle school teaches students the instruments of the orchestra and the classical voice ranges with exemplary performance examples. Students will also learn how to notate musical scores, sight-read using solfège and Curwen hand signs, and critically compare art music performances. Students enrolled in the middle school music course will understand the difference between a genre and a style and the parts of sonata form. The middle school music course also introduces a more expansive world view of music with entertaining and interactive tools for learning.

MB Middle School Theater *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In Middle School Theater, students incorporate the study of theater, dialog, music, and dance to offer unique experiences that help students explore realities, relationships, and ideas. The foundations of theater include inquiry and understanding, creative expression, historical and cultural relevance, and critical evaluation and response. Through these foundations, students develop a perception of self, human relationships, and the world using elements of drama and conventions of theater. Through projects and exercises, students communicate in a dramatic form, engage in artistic thinking, build positive self-concepts, relate interpersonally, and integrate knowledge with other content areas in a relevant manner. Through the study of historical and cultural relevance, students increase their understanding of heritage and traditions in theater and the diversity of world cultures as expressed in theater. Through critical evaluation and response, students develop the ability to appreciate and evaluate live theater.

Grade 7

MB 7th Language Arts (2nd Edition) *P*

GRADE 7 Language Arts S1 | S2 | YEAR

In this course, students will learn and apply new skills in reading, writing, and oral communication. Students will consider the importance of establishing a purpose in reading and identifying themes. Reading assignments include short stories, myths, legends, true stories, and expository texts. Students will read and critique the historical novel Chasing Lincoln's Killer. Students will plan, draft, revise, proofread, edit, and publish a fictional narrative and an expository essay. Students will research reliable sources in order to create a research essay and accompanying multimedia presentation. Exploring the poetic devices of sensory and figurative language, students will create a poem of their own. Students will develop oral communication skills by preparing and presenting persuasive and instructional speeches. The course finishes with an investigation of communication in teamwork and collaboration.

MB 7th Mathematics (2nd Edition) *P*

GRADE 7 Mathematics S1 | S2 | YEAR

This course reviews many concepts of mathematics, and it introduces new concepts of graphing and financial information. Students work with sets and subsets, rational and irrational numbers, and exponents. Other topics include order of operations, additive inverses, and a thorough treatment of decimals. Algebraic concepts include ratios, rates, proportions, equations, and inequalities. Geometry concepts include triangles, circles, and circumferences. Students are taught graphing concepts such as plotting in different forms. Probability is covered, as well as financial topics, including interest, taxes, and budgeting.

MB 7th Science *P*

GRADE 7 Science S1 | S2 | YEAR

The 7th Grade Science course will deepen students' understanding of life science. The course begins with the basic building blocks of life—cells. A unit on genetics will challenge students to investigate how DNA, genes, and proteins affect reproduction. Students will learn about different life processes and the importance of water, nitrogen, and carbon cycles. Students will analyze the effect of climate and weather on life and the environment. An investigation into human body systems, including the skeletal, respiratory, and immune systems, precedes the concluding unit on ecology where students will learn how living things interact with their environments. Throughout the course, there are lab investigations to reinforce science concepts and skills.

Grade 7 continued

Middle School

P **Optional Printed Materials Available**

Grade 7 (continued)

MB 7th Social Studies P

GRADE 7 Social Studies S1 | S2 | YEAR

This course introduces students to basic geography of the continents, including boundaries, rivers, and landforms. Students are introduced to the early history of people groups, including civilizations in Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. The languages, art, literature, societies, and way of life of these cultures are covered. The rise and fall of world kingdoms is discussed, ending with the fall of Rome in 476. Further studies into subsequent civilizations include the Byzantine Empire, rise of nations, and events in the world through the Renaissance and Reformation. Information is presented concerning the rise of many different world cultures.

Grade 8

MB 8th Language Arts (2nd Edition) *P*

GRADE 8 Language Arts S1 | S2 | YEAR

This course will expand students' reading horizons and communication skills. Investigating narrative, epic, lyric, and free verse poetry, students will develop an appreciation for the sound, structure, and language of poetry. Students will better understand the elements of literature after reading O. Henry's "A Retrieved Reformation," Agatha Christie's Murder on the Orient Express, and William Gibson's The Miracle Worker. Writing projects include creating a personal narrative, a procedural text, and a multimedia research presentation. Students will examine various forms of media and learn to distinguish bias when evaluating a persuasive text. Presenting a persuasive speech, participating in a debate, and practicing formal and informal speaking and listening will enhance students' communication skills.

MB 8th Mathematics (2nd Edition) *P*

GRADE 8 Mathematics S1 | S2 | YEAR

This course emphasizes the application of mathematics to real-life scenarios, helping the student to build skills in problem solving. Its topics include expressions, equations, relationships, proportions, geometric shapes, measurements, and the use of information. Emphasis is given to the interpretation and creation of graphs and charts that express, describe, and apply data. Students are also given instruction in finance, especially in the area of personal financial literacy. This course ensures that students have mastered the basic skills needed to enter high school mathematics courses.

MB 8th Science (2nd Edition) *P*

GRADE 8 Science S1 | S2 | YEAR

8th Grade Science will challenge students with an integrated study of earth, physical, and biological sciences. Students will analyze the relationship between the Earth, Sun, and Moon. Students will better understand the changing earth as they survey physical processes, such as erosion and weathering, and the characteristics of rocks and minerals. A unit on oceanography will introduce students to the geological, chemical, and biological aspects of the ocean. Students will consider the fundamentals of matter and energy along with the application of energy, force, and motion in physics. Units on plant and animal biology will introduce students to the importance of habitats and earth cycles in sustaining life. The course concludes with a look at the human impact on the earth. Throughout the course, there are lab investigations to reinforce science concepts and skills.

MB 8th Social Studies *P*

GRADE 8 Social Studies S1 | S2 | YEAR

This course employs an integrative approach to the teaching of U.S. history with an emphasis on geography, government, economics, culture, science, and technology. Students will learn how early explorations and development of the first colonies led to the union of 13 states as one nation. Students will examine and analyze important founding documents including the Declaration of Independence and the U.S. Constitution. A survey of the events will reveal how Americans embraced the idea of Manifest Destiny and expanded the nation across North America. Students will follow and analyze the complex issues leading up to the American Civil War. The course concludes with a look at post-war issues.

B-Auto Graded Credit Recovery
Catalog

The **B-Auto Graded Credit Recovery** curriculum catalog is a true academic accelerator, with dynamic media-rich, digital or print curriculum in core and elective subjects. This catalog offers schools the ability to assign courses to students with 100% computer graded assessments throughout the entire course.

The adaptable program can monitor a student's progress, identify learning needs and track mastery of their skills. Students will experience a variety of instructional content that is academically challenging yet visually engaging to stimulate the educational mind and encourage academic discovery.

The courses are offered as Semesters 1 and 2, as well as Year-long. Each semester contains 5 units on instruction. The courses follow a consistent instructional design containing lessons, activities, quizzes, practice tests, unit tests, and final exams. There are also discussion forums, projects, labs, and SEL (Social/Emotional Learning) content throughout many of the courses. All courses have access to the text-to-speech toolbar.

Each unit folder contains a pre-test. Depending on the student's mastery of objectives on the pre-test, lessons may automatically be excused for the student. Course activities are not excused by the pre-test. Quizzes are intentionally hidden in the course to prevent students from being assessed on content that has already been excused.

Hidden Items (if applicable)
Unit quizzes, teacher guide, labs, projects, and discussions

Default Weights*

Pre-tests	0%	Quizzes	0%
Lessons	40%	Unit Tests	45%
Projects and Labs	0%	Practice Tests	0%
Activities	0%	Final Exam	15%

*Weights can easily be adjusted to teacher's preference

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12

CR Health 1

GRADES 9, 10, 11, 12 Elective, Health SEM

CR Accounting I *P*

GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

In the Accounting I for high school, students will learn a basic overview of the different functions in accounting. This includes rules for financial reporting and the parts of the balance sheet, income statement, and statement of stockholders' equity and retained earnings. Students will then be guided through the accounting cycle, learning how to create these documents and utilize them within a corporation. Students will journalize payments and invoices in accounts payable and accounts receivable, understand the different methods of inventory, and calculate payroll and taxes. Students will complete the course with the Accountant Simulation Project, an assignment where they will fulfill all steps of the accounting cycle without guidance and then present a completed cycle with notes for future opportunities for their simulated corporations.

CR Human Resources Management

GRADES 9, 10, 11, 12 Elective, CTE SEM

CR Sports and Entertainment Marketing

GRADES 9, 10, 11, 12 Elective, CTE SEM

In Sports and Entertainment Marketing, students will explore the foundational elements of marketing as they pertain to the sports and entertainment industries. Students will primarily focus on the sports market, but other entertainment industries are analyzed as well, including music, theater, and television. Sports and Entertainment Marketing will require students to practice targeted marketing and segmentation as they relate to entertainment. Students will engage in several projects, including developing a ticket sales strategy, planning game operations, creating event strategies, and making a sports press kit. Students will investigate the distribution of sports and entertainment media, the fan experience, promotional plans, sponsorships and endorsements, as well as business ethics and sports legislation. By the end of this course, students will have an understanding of the career pathways and opportunities available in the sports and entertainment industries.

CR Video Game Design *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

Video Game Design is a course designed to help students develop skills for planning, designing, and completing development of an original video game. These skills include outlining and writing a game story, storyboarding, level and objectives design, game mechanics, and character design. Students are also exposed to development skills, including use of pseudocode, decisions, algorithms, collisions, and other programming functions, as well as graphics, animation, and sound. The student will become familiar with the use of suitable game engines for creating their working video game. The course includes discussion to help the student understand the history of video games, as well as their genres. This includes discussions of game theory to help students understand audience expectations, control, and other aspects of game design. Students will be required to create an original video game and submit it for critique. In addition, students will be involved in playing and critiquing the games of other students, as well as critiquing existing video games. The student will be required to create and understand the purpose of a Game Design Document (GDD), an industry standard.

CR Web Communications *P*

GRADES 9, 10, 11, 12 Elective, CTE SEM

In Web Communications, students learn how to be good digital citizens. Rights, responsibilities, and digital communication tools are explored. Students learn how to search and choose valid internet sources for research while gaining a deeper understanding of new technologies. Students dive into the history of the Web and how it has changed over time. Topics such as internet safety, security, and cyberbullying are also analyzed. Using the knowledge gained in the course, students write a web-hosted blog post with HTML coding elements. The course ends with the fundamentals of web design and a project in which students create a simple webpage.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR Principles of Education and Training *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

Through an examination of the Principles of Education and Training, students will study the roles and responsibilities of teachers, administrators, and administrative support professionals. Students will analyze the characteristics, qualities, and traits of highly successful educators. Students will evaluate a variety of educational options available on their road to becoming professional educators. Students will also study the opportunities and paths possible when becoming corporate trainers or independent contractors, providing training services to a variety of clients. Throughout this course, students will have learned methods of classroom instruction and ways to develop Lesson plans. Students will use critical thinking skills to develop their own personal philosophy of education. Students will learn via the perspectives of students, teachers, and support professionals using real-life examples and situations to explore what it means to be an "educator for life." Students will end this course by developing a graduation plan that leads to their calling as professional educators.

CR Audio Video Production 1 *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

Audio/Video Production I explores foundational principles in both audio design and video production. This course is broken down into four primary sections: preproduction, principal photography, postproduction,and career preparation/portfolio development. Each section focuses on the primary elements found in each phase of production. Preproduction explores topics such as script and storyboard development, production documents, and production planning. Principal photography analyzes key crew roles associated with audio and video production, like the director, sound designer, producer, and actors, as well as shooting techniques, camera gear, and on-set safety. Postproduction delves into topics such as video editing, copyright laws, and sound mixing and design. The course concludes by having the student create an audio/video portfolio, résumé, and cover letter to prepare for entry into college and the professional world.

CR Accounting I *P*

GRADE 6, 7, 8 Electives S1 | S2 | YEAR

In the Accounting I for high school, students will learn a basic overview of the different functions in accounting. This includes rules for financial reporting and the parts of the balance sheet, income statement, and statement of stockholders' equity and retained earnings. Students will then be guided through the accounting cycle, learning how to create these documents and utilize them within a corporation. Students will journalize payments and invoices in accounts payable and accounts receivable, understand the different methods of inventory, and calculate payroll and taxes. Students will complete the course with the Accountant Simulation Project, an assignment where they will fulfill all steps of the accounting cycle without guidance and then present a completed cycle with notes for future opportunities for their simulated corporations.

CR Advertising *P*

GRADES 9, 10, 11, 12 Elective, CTE SEM

The Advertising course teaches the principles and practices of advertising as an integral part of marketing communication. The course begins with a look at the professional opportunities available in the advertising field. Students are asked to consider environmental, ethical, and other professional responsibilities. They learn about the marketing research process and the components of advertising using the PESO model. Students apply demographics, segmentation, and the four major sales channels to define target markets and make a sales presentation. In the final Module, students use the knowledge gained about the product cycle to complete a final project simulating a promotional campaign for a new product.

CR Personal Finance *P*

GRADES 9, 10, 11, 12 Elective, Math SEM

The Personal Finance course introduces students to strategies and practices that empower them to manage their money wisely. Students first perform a self-analysis to discover their money personality. A study of good consumer habits includes a comparison of renting and buying. Students learn the steps to building wealth, including building an emergency fund, evaluating and embracing risk when investing, and using credit sparingly and wisely. A survey of consumer rights accompanies the steps recommended to protect one's personal information. Students survey types of insurance and evaluate the role of each in limiting personal financial risk. The course concludes with an entire Unit dedicated to evaluating higher education opportunities, costs, and funding.

CR Counseling and Mental Health

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

CR Medical Terminology *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

Medical Terminology is a course for students with an interest in the medical field. This course provides students with knowledge of Latin and Greek roots, prefixes, and suffixes in addition to combining forms and eponymous terms related to the many systems of the human body. Students are also able to learn more about the many professions, specialists, and treatment plans associated with different areas of the body. This course introduces new ways of looking at the body through the lens of medical terms and their origins.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR Astronomy *P*

GRADES 9, 10, 11, 12 Elective, Science S1 | S2 | YEAR

Beginning with a look at astronomy's history, students will recognize the contributions of Ptolemy, Copernicus, Galileo, and Newton to our understanding of the universe. The second unit investigates telescopes and detectors such as radio receivers. An examination of the characteristics and processes of the Sun will be followed by a look at the terrestrial planets: Mercury, Venus, and Mars. After studying the Earth-Moon system, students will explore facts about the minor planets, Jupiter, Saturn, and the outer planets. Moving beyond the solar system, students will learn the characteristics of stars, galaxies, and deep space objects. Students will better appreciate the night sky after learning the constellations and will ponder the origin and fate of the universe with an inquiry into impermanence, special and general relativity, and cosmology.

CR Entrepreneurship *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

The Entrepreneurship course is designed to grow the student's passion for starting, growing, and excelling in business ventures. The student will explore the basics of starting a business, from brainstorming great concepts to execution and profitability. Entrepreneurship includes more than just starting businesses, but explores the ventures of product development, marketing, distribution, and sales. The student will expand his or her knowledge in the areas of proper product and service pricing, financial planning and growth, accounting and bookkeeping, fundraising, marketing research, and business law. The course asks the student to practice the knowledge and skills he or she has gained by developing and writing a business plan for their very own business venture. The student will gain a complete understanding of what it takes to make a business a success and possibly gain a desire to actually start a company from scratch.

CR Virtual Business P

GRADES 9, 10, 11, 12 Elective, CTE SEM

The Virtual Business course guides students through the basics of starting, operating, and managing an online company. This course is designed for students interested in starting a virtual business by creating a web presence, conducting online and offline marketing, examining and creating business contracts for online business, and exploring project-management systems. The student will also explore bookkeeping processes, applicable legal company business structures, managing telecommuting employees, maintaining business records, as well as entrepreneurship. Virtual Business also guides the student through potential online career pathways by conducting various personality and career pathway assessments. The student will conclude the course by applying learned skills to create a company, including a business plan, branding the business, and creating a website using common website builder tools.

CR Business Management *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

Business Management is an integral part of the Business, Marketing, and Finance Career and Technical Education clusters. Students will examine evolving views of management with an emphasis on leadership. Next, students will consider ethical case studies and analyze the strengths and weaknesses of various organizational structures. In units 4 through 6, students will analyze the decision-making process as it applies to management issues, such as quality control and improving communication. Beginning with unit 7, students will investigate employee compensation and legal matters concerning hiring and firing. The course concludes with a presentation of practical tools to build one's personal habits and to nurture team building.

CR Anatomy and Physiology *P*

GRADES 9, 10, 11, 12 Elective, Science S1 | S2 | YEAR

Anatomy and Physiology introduces students to the structures and functions of the amazing body. Students learn about different organ systems and how they work together to maintain life. Some of these organ systems include the circulatory, digestive, integumentary reproductive, and respiratory systems. Students examine different diseases that affect these systems and the treatments (both traditional and new) used to fight these diseases. The development and effects of aging on the different organ systems are explored throughout Anatomy and Physiology.

CR Medical Microbiology *P*

GRADES 9, 10, 11, 12 Elective, Science S1 | S2 | YEAR

Medical Microbiology explores the world of tiny (micro) organisms that are responsible for making people sick. Students learn about the common bacteria, viruses, and protists that cause sickness and disease in humans. Medical Microbiology delves into different ways these germs and diseases can spread from person to person, throughout a community, and eventually around the globe while discussing the best practices for stopping them from spreading. Students look into different medications and how they work to kill or slow the growth of different microorganisms. Students will also research why some antibiotic medications are no longer effective against the bacteria that cause disease. Medical microbiology also teaches laboratory skills in how to effectively grow and isolate different colonies of microorganisms in Petri dishes.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR Psychology *P*

GRADES 9, 10, 11, 12 Elective, Science SEM

The Psychology course begins with a look at basic social science skills including ethical decision-making and statistical evaluation. After a brief survey of careers in psychology, the student will explore the physical processes of the brain and body systems that shape sense and perception. The student will then study theories of development, personality, and conditioning. Next, students will explore mental processes behind thinking and memory, language acquisition, motivation, and emotions. Students will investigate the levels of consciousness and disorders leading to abnormal behavior. The course concludes with an examination of the individual and social behavior. Students will learn about stress, attitude formation, conflict resolution, conformity and obedience, altruism, and morality.

CR Logic 1 *P*

GRADES 9, 10, 11, 12 Elective SEM

The Logic I course will improve the critical thinking skills of students through the study of informal logic. The course will challenge students to evaluate whether humans are rational or emotional beings. The majority of the course explores occurrences of faulty reasoning known as logical fallacies. Students will learn to recognize and expose fallacies when evaluating and critiquing arguments. Fallacies covered include appeal to fear, irrelevant thesis, straw man, false analogy, red herring, and misuse of statistics. Students will apply the study of types, components, and principles of argumentative dialogue in preparing a dialogue of their own. During the course, students will consider and analyze Aesop's Fables and "The Cave" by Plato. The course concludes with a comprehensive review of fallacies and a preview of formal logic.

CR Logic 2 *P*

GRADES 9, 10, 11, 12 Elective SEM

Logic II introduces the student to the world of Aristotelian formal logic. Students will use classical tools, including the Porphyrian tree and Euler's circles to translate arguments into propositions organized within the categorical form. Students will also learn to analyze the validity of arguments using the square of opposition, terminological rules, Venn diagrams, and the Barbara, Celarent, Darii, Ferio mnemonic. The course concludes with an evaluation of presuppositional disputes and a survey of hypothetical syllogisms.

CR Speech Communication *P*

GRADES 9, 10, 11, 12 Elective, ELA SEM

Speech Communication seeks to improve the interpersonal and public communication skills of students. Surveying the communication process, students will learn the components and functions of communication, differentiate between oral and nonverbal communication, and comprehend the listening process. Developing familiarity with self and personal strengths and weaknesses, students will boost self-confidence as public speakers in situations such as speeches or interviews. The course will culminate with students applying their acquired communication skills in researching, preparing, and giving a speech.

CR Literary Genres *P*

GRADES 9, 10, 11, 12 Elective, ELA S1 | S2 | YEAR

CR Principles of Human Services *P*

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course enables students to investigate careers in human services including counseling, mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand careers. Skills learned in this course includes: responsible decision-making, setting both short- and long-term goals, and knowing how to react to and handle high stress crisis situations.

CR Child Development *P*

GRADES 9, 10, 11, 12 Elective SEM

Child Development prepares students to understand the physical, social, emotional, and intellectual growth and development of children. The course is designed to help young people acquire knowledge and skills essential to the care and guidance of children as a parent or caregiver. Emphasis is on helping students create an environment for children that will promote optimum development. Students also investigate careers in child development.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR Bible Literacy New Testament *P*

GRADE 9, 10, 11, 12 Elective SEM

The New Testament (NT) course will equip students with a basic literacy of the NT scriptures. To begin, students will explore the history and characteristics of the NT, survey each book, and recognize the centrality of Jesus of Nazareth. An inquiry into the Christian era will inform students of the NT impact on children, slavery, women, marriage, and education. Students will investigate the profound influence of the NT on politics, limited government, and the concept of justice as seen in important American events including the American Revolution and the U.S. Constitution. Students will understand the effect of the NT on literature after reading selections from Great Expectations, Uncle Tom's Cabin, and other literature. The course concludes with an examination of artwork related to NT events including the life, death, and resurrection of Jesus Christ.

CR Bible Literacy Old Testament *P*

GRADES 9, 10, 11, 12 Elective SEM

The Old Testament (OT) course will equip students with a basic literacy of the Hebrew scriptures. The course begins with an examination of the major divisions, authorship, and translations of the OT before surveying each individual book. The second unit examines the impact of the OT on worldview, society and morals, family, human fallibility, modern science, and the value of human life. Students will recognize the impact of Hebrew scriptures on important events and historical documents including the Reformation, the Magna Carta, and the U.S. Constitution. Students will next probe the influence of the OT on language, culture, and literature, including idioms, Shakespeare's Macbeth, Handel's Messiah, Milton's epic poem Paradise Lost, and spirituals. The course will conclude by introducing students to the influence of OT on artworks including The Creation of Adam by Michelangelo.

CR Art History - YEAR

GRADES 9, 10, 11, 12 Elective, Art S1 | S2 | YEAR

Art History will help students develop skills to recognize and appreciate the diversity of art. The course begins with prehistoric and ancient art before introducing students to the classical art of the Greeks and Romans. Students will survey medieval art before exploring the glory days of art and architecture, the Renaissance. The use of light and shadow to evoke emotion during the Baroque period will impress students as will the whimsical style of the Rococo period. Students will contrast the Neoclassical return to idealized subjects with the Romantic era's imagination. Appreciation of art will grow as students study Impressionist and Post-Impressionist artists such as Monet and Van Gogh. The course concludes with students tracing modern art movements, including expressionism, minimalism, as well as conceptual art and artists, including Rodin, Picasso, Mondrian, and O'Keeffe.

CR Principles of Health Science *P*

GRADES 9, 10, 11, 12 Elective, CTE, Health, Science S1 | S2 | YEAR

This CTE course is designed to help prepare students for a career in the health science field. It covers healthcare systems and the roles of team members within these institutions. The course has many opportunities for students to explore the various careers within the healthcare field. It emphasizes the personal and professional skills required to succeed in this arena, including personal character qualities, teamwork, and leadership. Coverage includes the science of healthcare, including measurement, SI system, anatomy and physiology, and safety practices. It covers topics of healthcare at various life stages, from birth to death. Laws and regulations, best practices, and professional ethics are discussed, as well. Because this course has a careers emphasis, other topics covered include career preparation, the role of student and professional organizations, and the state of the health-care career field

CR World Health Research *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

World Health Research introduces students to the various risk factors people face globally. The course shows how health outcomes in developed nations differ from those in developing nations. The course analyzes these trends, along with the origins of primary care. The course compares different organizations that identify and monitor global health threats. World Health Research allows students to explore specific research methods and design studies to understand world health problems and their impacts. The course also shows students the effects of infectious and chronic diseases across the globe, discussing emerging medical technologies and the response of the healthcare system. This course concludes with an analysis of ethical concerns regarding global health, the importance of clinical trials, and ways to enact global change.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR Principles of Business, Marketing, and Finance *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

The Principles of Business, Marketing, and Finance course will expand the student's knowledge in the many areas of business and free enterprise. The majority of the course takes a comprehensive look at business disciplines such as analyzing goods versus services, economics, financial management, principles of personal finance, marketing, the global economy, and government in business. The student will gain soft skills such as understanding business ethics, leadership, and the management of employees. The student will gain hard skills such as product management, finances, marketing campaigns, and sales. The course then takes a practical look at career opportunities in business and the professional skills needed to excel within the industry. The student will finish the course with a broad grasp on the principles of starting, operating, and managing a successful company.

CR Career Preparation 1 *P* ⦿

GRADE 9, 10, 11, 12 Electives S1 | S2 | YEAR

In Career Prep, students are given tools to be successful in future careers. The career clusters and their associated career paths are the focus of the course. Students will learn how to survey the job market, fill out paperwork, and thrive in the workplace. Students will create an electronic portfolio throughout the course. The portfolio includes letters of interest to employers, resumés and cover letters, interview preparation documents, a career plan, as well as other reports. The course is designed for students who are currently working and can leverage real-life experience into their course projects.

CR Career Preparation *P*

GRADES 9, 10, 11, 12 Elective, CTE S1 | S2 | YEAR

In Career Prep, students are given tools to be successful in future careers. The career clusters and their associated career paths are the focus of the course. Students will learn how to survey the job market, fill out paperwork, and thrive in the workplace. Students will create an electronic portfolio throughout the course. The portfolio includes letters of interest to employers, resumés and cover letters, interview preparation documents, a career plan, as well as other reports. The course is designed for students who are currently working and can leverage real-life experience into their course projects.

CR Music Appreciation *P*

GRADES 9, 10, 11, 12 Elective, Music S1 | S2 | YEAR

This course is designed to help the non-musician understand music basics, including such topics as reading a musical score, melody and harmony, rhythm, music history (styles by period), music theory, musical genres, instruments, orchestration, and arrangement. The course even covers the creation of musical scores using popular music arrangement software. Other topics include the science of musical sound, health and wellness for performers, classical symphony concerts, besides opera performances and etiquette when attending. The course strives to help non-musicians gain an understanding of the world of music and to become well-rounded individuals.

CR English 1A (3rd Edition) *P*

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English I launches a four-year journey during which students will confidently master grammar, develop advanced communication skills, and learn to analyze and appreciate challenging literature. The course begins with grammar fundamentals including sentence structure, parts of speech, and phrases and clauses. Students' vocabulary will expand through a study of technology, literary terms, and words with multiple meanings. Culturally diverse texts will emphasize literary elements and techniques while an overview of short and long prose will delve into excerpts from The Odyssey. Reading Animal Farm and Romeo and Juliet will expand the students' literary world. Writing skills will advance as students learn and apply the steps for creating a research paper. The course includes coverage of effective speaking and listening.

CR English 2A (3rd Edition) *P*

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English II begins with a major focus on grammar to help students become stronger writers. Students then analyze literary genre elements in various excerpts of classical stories. A major focus is the Greek drama, Antigone, by Sophocles. The novel, To Kill a Mockingbird, by Harper Lee is required with this course to study for analysis, as well. Students compare informational texts and have various writing projects. For example, they write an analytical essay on a short story and a persuasive essay that they also present as a speech. Their research paper is about a topic they choose on the Civil Rights Movement in which they construct a multi-media presentation to accompany it. Additionally, this course includes work-related documents with students constructing their own resumés and letters.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR English 3A (2nd Edition) *P*

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

In English III, students focus on the development of American Literature and compare it with ideas and forms of literature around the world. Students review the basics of the language arts, then scaffold with practices of increasing complexity to meet the required grade-level objectives of analytical thinking. Engaging in a step-by-step process, students learn to write complex analyses and argumentative papers. Students also learn principles in research, teamwork, discussion, and presentation skills. The text that should accompany the course is the musical, Fiddler on the Roof, by Joseph Stein. This play highlights literary devices as well as the ideas of immigration and cultural assimilation with supporting literature. Additionally, students explore college and career planning as well as tips for dealing with information in technology today.

CR English 4A (2nd Edition) *P*

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

English IV emphasizes the interpretation of various types of literature from different time periods. The genres covered include fiction, drama, and poetry. The dramatic play Cyrano de Bergerac is read and studied for its use of language to convey dilemmas and themes. Poetry studies include a survey of British poetry as well as ancient and modern poetry from various cultures and in various periods. Students are also given a wide range of writing assignments. For example, students produce a fiction story and a script. They also write essays evaluating literary elements. The course also includes research and writing arguments with logic. These various writing assignments help prepare students for end-of-course and SAT essay writing. Coverage is also given to analyzing and evaluating media and speeches, as well as using presentation and discussion skills.

CR Earth Science *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Earth Science, students will learn about different Earth systems, how they interact with each other, and how humans impact these systems. Students will look at the scientific bases for land, water, atmosphere, and biosphere systems; discuss several environmental problems; analyze possible solutions; delve into laws already in existence; and discuss any possible future laws. Critical thinking will be required, as well as the ability to argue points from both sides of an issue. Throughout the course, there will be lab investigations, including video labs, to reinforce scientific concepts and skills.

CR Aquatic Science *P*

GRADES 9, 10, 11, 12 Elective, Science S1 | S2 | YEAR

In Aquatic Science students will test, predict, and learn about water and things pertaining to water. The first unit will guide students to think of water as a system. Learning the chemistry and physics of water, students will complete a course project by applying scientific methods to collect and analyze data on a local body of water. A survey of the physical properties of the ocean, including their formation and composition, will precede an inquiry into how the atmosphere and sun interact with the hydrosphere to create weather. Students will examine the elements and properties of aquatic ecosystems, including aquatic biology and marine and freshwater ecosystems. In the final unit, students will consider the relationship between humans and water, including challenges such as population growth competing for resources with agriculture and industry.

CR Chemistry P

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

A foundational branch of physical science, the principles, and laws of chemistry find many applications in business, technology, health care, and other fields outside traditional scientific areas. Beginning with a look at measurements, calculations, data analysis, and the scientific method, students will investigate the properties of elements, compounds, and mixtures. A survey of the history of theories of atomic structure will lead students to Mendeléev's periodic table and an inspection of the periodic law. Next, students will apply atomic theory in the study of molecular and chemical bonding interactions through chemical formulas, reactions, and stoichiometry. Students' knowledge will expand as they learn about the states of matter, gas laws, solutions, acids and bases, thermochemistry and reaction kinetics, and oxidation-reduction reactions. The course concludes with inquiries into organic chemistry, biochemistry, and nuclear chemistry. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR Physics *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

Physics, including matter and energy, motion and force, speed, velocity, and acceleration in order to better understand how the universe behaves. A survey of the historical development of physics as a foundational branch of science will lead to recognition of the contributions of Newton, Einstein, Planck, and others. Students will apply physics concepts as they study gravity and acceleration, momentum, motion, and energy. The concepts of work and power will become evident as students learn how machines use torque and force to accomplish work. Students will recognize the roles of each fundamental force and will investigate electrostatics, thermodynamics, waveforms, particles, and quantum physics. Following an examination of the nucleus, radioactivity, fission, and fusion, the course concludes with the theories of special and general relativity. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

CR Physical Science *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Physical Science, students will learn many fascinating chemistry and physics concepts. Students have a brief introduction to the scientific method, lab safety, and the metric system. The study of chemistry begins with the atomic theory and the Periodic Table, applying theory to develop chemical formulas and balance equations. The course includes investigations into acids and bases, gas laws, and nuclear chemistry. Students explore Newton's laws of motion and other physics concepts including mass, force, motion, velocity, acceleration, gravity, and energy. A study of electricity and magnetism, simple machines, the laws of thermodynamics, and energy waves rounds out the physics portion of the course. Throughout the course, there are lab investigations, including video labs, to reinforce science concepts and skills.

CR Biology *P*

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

In Biology, students will develop an appreciation for the living world. A brief history of biology followed by an investigation of the basic unit of life—the cell—will prepare students for deeper research. Students will explore topics concerning genetics, including meiosis, heredity, and DNA. Students will consider natural selection, the origin of life theories, and the mechanics of evolution. An exploration of "little critters" such as bacteria precedes a study of plant structures, processes, and reproduction. Students will inquire into animal behavior and characteristics as they study invertebrates, amphibians, reptiles, birds, and mammals, among others. An inspection of nutrition and disease will lead students to examine human body systems. The course will conclude with an analysis of the interdependence of living things in ecosystems.

CR World History *P*

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

The history of civilizations from prehistoric times to the present. The journey begins with ancient civilizations including Mesopotamia, Egypt, and China, and the foundations of western civilization: ancient Greece and Rome. Students will analyze developments in Africa, Asia, and Europe during the Middle Ages, including the Crusades. Students will understand how the Renaissance and Reformation provided a springboard for the Age of Reason and the Scientific Revolution. An inquiry into events such as the American War of Independence and the French Revolution will prepare students to consider the great advances and social upheaval sparked by the Industrial Revolution. Students will probe the causes, events, and consequences of the two world wars and the rise and fall of Communism. The course concludes with a look at developments shaping current events.

CR United States History *P*

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

U.S. History Since 1877 details the American story from Reconstruction to the present day. Beginning with western expansion, students will analyze the impact of events including the rise of cities and capitalism, the Alaska Purchase, and the Spanish-American War. Students will understand how technological advances including the assembly line and harnessing electricity, as well as the Progressive agenda of societal reform, influenced American prosperity. Students will consider America's rise to a world power during World War I before probing events leading up to World War II, including the Great Depression. Students will examine the momentous war and its consequences, including the Cold War and the Korean War, and investigate later 20th-century events, including the Reagan era and the Persian Gulf War. The course concludes with a look at recent events, including the War on Terrorists.

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR United States Government *P*

GRADES 9, 10, 11, 12 Social Studies SEM

U.S. Government commences its examination of American democracy with a general overview of the purpose, types, origin, and formation of governments. Students will explore how colonial self-rule, English law, and weaknesses in the Articles of Confederation influenced the formation of the U.S. Constitution. Students will investigate the principles of the Constitution and the federal system. The purpose, powers, and relationships among the American institutions of self-government—Congress, Presidency, and the Judiciary—will be examined as well as federal, state, and local governments. Students will become aware of their civic responsibility to vote and participate in the governmental process as they gain understanding of the functions and organization of political parties, the evolution of the two-party system, and the influence of public opinion and political ideology on government decisions.

CR Economics A (2nd Edition) *P*

GRADES 9, 10, 11, 12 Social Studies SEM

The Economics course begins with a survey of the basic principles concerning production, consumption, and distribution of goods and services within the free enterprise system. Students will examine the rights and responsibilities of consumers and businesses, analyze the interaction of supply, demand, and price, and study the role of financial institutions. Types of business ownership, market structures, and basic concepts of consumer economics will be surveyed. The impact of a variety of factors including geography, government intervention, economic philosophies, historic documents, societal values, scientific discoveries and technological innovations on the national economy, and economic policy will be an integral part of the course. Students will apply critical- thinking skills to create economic models and to evaluate economic activity patterns. Students will also examine the knowledge and skills necessary as self-supporting adults to make critical decisions relating to personal financial matters such as seeking college financial aid, using credit wisely, and balancing financial accounts.

CR World Geography *P*

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

In World Geography, students will learn the six essentials of geography: spatial terms, places and regions, physical systems, human systems, environment and society, and uses of geography. After a broad survey of Earth's structure, hydrosphere, and climates, the focus of each unit narrows to a particular region of the world. By examining the physical geography of each region, including water resources, climate, vegetation, and natural resources, students will understand the influence of geography on economic activities, human culture, and history. In addition, students will investigate the impact of human activity on the environment, including pollution and development, and consider the implications.

CR Algebra 1 *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra I is a common starting point for high school math studies. A review of fundamental math skills in unit 1 will ensure students are ready for algebraic concepts. Students' math competence will grow as they learn to solve expressions, functions, and equations by using formulas, ratios, proportions, percentages, and rates. Other concepts include exponents and scientific notation, polynomials and trinomials, multi-step inequalities, slope formulas, and systems of equations and inequalities. Students will solve quadratic functions through various methods including graphing, factoring, square roots, completing the square, and the quadratic equation. Using tables and graphs, students will analyze and organize data and statistics. Students will learn to work and solve exponential, radical, and rational functions and equations. The final unit ties algebraic concepts to the study of geometry.

CR Algebra 2 *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Algebra II will consolidate and build on students' knowledge acquired in Algebra I. After a review of Algebra I concepts, students will take an in-depth look at linear equations, inequalities, and functions. Students will be introduced to matrices, apply Cramer's Rule in solving linear systems, and solve graphs and equations of conic sections. Using graphs, factoring, and the quadratic formula, students will solve quadratic equations, inequalities, and functions. Students will investigate how to graph, factor, invert and solve polynomials, as well as solve rational expressions, radical expressions, fractional exponents, and rational inequalities. Students will examine the properties, transformations, and applications of exponential and logarithmic functions. Applying probability and data analysis, students will determine probability and model data. The final unit will present trigonometric concepts to prepare students advancing to trigonometry.

Grades 9, 10, 11, 12 continued

High School

P **Optional Printed Materials Available**

Grades 9, 10, 11, 12 (continued)

CR PreCalculus *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

Precalculus explores a wide variety of mathematical concepts with the goal of preparing students for calculus or other college-level math courses. A review of number properties, factoring, the quadratic formula, and the Cartesian coordinate system will prepare students for advanced math concepts. Students will use graphing calculators to plot graphs and solve equations. Students will learn to solve a variety of problems including parent functions, transformations, even and odd functions, domain and range, operations, linear functions, regression, correlation, quadratic functions, polynomials, asymptotes, and exponential, logistic, and logarithmic functions. Trigonometric studies include angle measurement, arc length, functions, reciprocal and quotient identities, Pythagorean identities, sines, and cosines. Sequences and series precede inquiries into the characteristics and applications of conic sections and vectors. The course concludes with an investigation into parametric equations and polar equations.

CR Math Models *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The Math Models course applies mathematical concepts to real-life situations. The course begins with a review of basic math concepts before presenting an overview of geometry, probability and statistics, and problem-solving. Students will learn to conduct and analyze research by collecting and describing data using graphs and models that find application in disciplines as diverse as science, trigonometry, art, architecture, and music. Students will employ theoretical, empirical, and binomial probability to predict the likelihood of outcomes. Using math models, students will better understand personal finance issues including compensation, budgeting, taxes, bank accounts, and compound interest. Applying math models to analyze the pros and cons of credit cards, renting or purchasing a home, leasing or purchasing a vehicle, and investments and insurance will enable students to be smarter consumers.

CR Geometry *P*

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course, dealing primarily with two-dimensional Euclidean geometry and solid geometry, promotes the development of logical reasoning skills and is useful in many life situations. Beginning with the fundamental concepts of line segments and angles, students will progress to conditional statements, geometric and algebraic proofs, and line relationships. In studying polygons, students will learn the properties of triangles, quadrilaterals, and circles along with geometrical concepts including the Pythagorean Theorem and the relationship of pi (π) to circumference and area in a circle. In the study of solid geometry, students will learn how to determine area and volume for prisms, cylinders, pyramids, cones, and spheres. Students will apply learned geometric skills in working with ratios, similarities, transformations, and symmetry before concluding the course with an inquiry into the fundamentals of trigonometry.

E-Career & Electives
(including **Premium**)
Catalog

The **E-Electives & College and Career Ready** curriculum catalog offers over 250 CTE and elective courses for middle and high school. With the largest collection of online courses aligned to 14 national career clusters, these courses offer the most unique and specialized online courses for students.

These courses can be used in a variety of ways. The dependable user-friendly design, consistently high-quality content and flexible framework allows you to deliver courses with your creativity, knowledge and skill. Courses can be easily customized to allow you to add your own lessons, activities, videos, documents and much more. Includes the option to access to the text-to-speech toolbar in course assessments.

Courses can be used for career exploration, CTE, STEAM Programs, Enriching Electives, Coding Camp, Summer School, Supplemental & Differentiation, and After school Programs.

Most of the courses do not require many materials other than internet connection and a browser. But for a complete list, please download our Required Materials documentation for more information.
*Please note, some of the advanced technical courses (such as Game Design) require computers with higher resource requirements than other courses.

Each lesson includes the Unit Summary, Unit Objectives, Lesson material, Critical Thinking Questions, Labs, Activities, Flashcards, Quizzes, Discussions, and a complete Podcast of the entire lesson material.

Each course includes Teacher Resources, such as Suggested Answers, a Project Based Learning guide, and Blended Learning strategies.

Middle School

◉ A–G approved * Additional Fees May Apply

Grades 6

Middle School Tech Apps ◉

GRADES 6, 7, 8 Elective SEM

Few things move faster than ever-changing technology, and it's important to try and stay up-to-date on this modern digital transformation. In this course, you will get a guided tour through this towering technological landscape from hacking and hardware, understanding algorithms and basic cybersecurity, and even implementing powerful tools like Google apps. You will also improve your ability to type, code, and use audio and video editing software. In the end, you will learn all about how to be an effective and responsible digital citizen in a cyberworld that is only growing increasingly quick and complex. Let's get up to speed! Grades 6, 7, 8

Middle School Animation ◉ *

GRADES 6, 7, 8 Elective SEM

Across the decades, there have been many legendary animated characters, but now is the time for YOU to breathe life into the next great animation! In this course, you will explore the history of animation to understand it's evolution. You'll also learn the essentials of character development, color theory and design, and the principles of animation while applying your unique animation style to your own animated character. All of your hard work will culminate in your artist's portfolio so you can show off your hard work. Let's create a new life!

Middle School Critical Thinking ◉ *

GRADES 6, 7, 8 Elective SEM

Our brains are incredible tools, and they help us observe, analyze, create, and take action every single day. In this course, you are going to learn to unlock one of your brain's most stunning powers: critical thinking! Get ready to go on an adventure and solve mysteries by applying your own critical thinking skills as you make your way through your units. Then, you'll use these specialized skills towards issues in the real-world both inside and outside of the classroom. Tap into your most powerful tool today!

Middle School Coding 1A: Introduction ◉

GRADES 6, 7, 8 Elective SEM

Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! In Middle School Coding 1a, you will get an introduction to the basics of computer science, HTML, CSS, JavaScript, and Python. You'll leave the course with a portfolio of work you can show off.

Middle School Coding 1B: Learning Python and Javascript ◉

GRADES 6, 7, 8 Elective SEM

Let's take the coding skills you learned in the previous course to the next level! You'll expand your knowledge with Advanced Python, HTML, and JavaScript. You'll further build out your portfolio and start thinking about a career in the fast-growing IT field.

Middle School Digital Art and Design ◉ *

GRADES 6, 7, 8 Elective SEM

The world is filled with so many different forms of art – including digital art. In this course, you'll explore this special genre of art found in everything from advertising to animation to photography and beyond. Additionally, you'll tap into your creative side to create digital art and make it come alive!

Middle School Exploring Business ◉

GRADES 6, 7, 8 Elective SEM

Are you interested in business, leading people, or making decisions to help a business be successful? While there are many different career choices in the field of business, in this course, you'll discover options such as management, human resources, business operations, information management, and accounting. Explore the skills you'll need, common tasks, the technology used, and characteristics of various business careers.

Middle School Financial Literacy ◉ *

GRADES 6, 7, 8 Elective SEM

"Money makes the world go round," but that's only because we move it through exchanges, transactions, and financial tools. In this course, you will examine how our economy works through decisions about spending and saving, lending and borrowing, and how institutions play a key role in moving money. You will also explore how credit and interest work, investing, and what you can expect to earn over the length of your career. Once all of the pieces are in place, you'll discover how you can begin investing in yourself today so your future is everything you dream it can be. Let's get started!

Grades 6, 7, 8 continued

Middle School | High School

◉ A–G approved * Additional Fees May Apply

Grades 6, 7, 8 (continued)

Middle School Exploring Health Science ◉ *

GRADES 6, 7, 8 Elective SEM

Where do healthcare workers spend their days? What do they really do? From cruise ships to sports arenas, you can find healthcare workers in many places that you might not expect. Explore this field, including what it would be like to work in a medical lab. Learn what it takes to keep you and your patients safe, and begin to learn about the human body and basic first-aid.

Middle School Exploring Information Technology ◉

GRADES 6, 7, 8 Elective SEM

Are you interested in creating a website or app, or managing various technology solutions, but not sure where to start? If so, then it's time to explore the different career options available to you in IT and learn the foundations of IT to get you started. Examine various IT pathways of web and digital communications, information and support services, network systems, and programming and software development. Let's investigate which career pathway is right for you!

Middle School Journalism A: Tell Your Story ◉

GRADES 6, 7, 8 Elective SEM

Are you someone who likes to write to get the story straight? Skilled journalists know how to find key facts and write them up in a way that makes it easy for others to read. In this course, you'll learn how to ask the right questions, how to gather information effectively, organize ideas, format stories, and edit your articles. Get ready to break that news!

Middle School Photography 1A: Introduction ◉

GRADES 6, 7, 8 Elective SEM

Photographs are all around us, and each helps to tell a story. Now it's time for you to create your story through photos you learn how to take in this course. Learn the basics of using a camera, lighting, and how to choose great subjects to create magazine-worthy photos and amaze your friends and family with your skills.

Middle School Photography 1B: Drawing with Light ◉

GRADES 6, 7, 8 Elective SEM

Do you have vacation photos or pics of your pet that need a little editing? How about getting ready to add that new selfie you took to your social media platform? Taking photos is an art, and editing photos is a skill that many photographers seek to master. Explore how to manipulate angles and lighting, the purpose for different types of photo files, how to use different software to edit photos, and safe places you can store them. You'll be well on your way to being an editing guru when you're done with this course.

Middle School STEM* ◉

GRADES 6, 7, 8 Elective SEM

You've probably heard of STEM, but what exactly is it? STEM is the process of applying a combination of science, technology, engineering, and math and brainstorming, building, testing, and seeking answers through research. In this course, you'll begin to develop these skills and learn how STEM can shape the future and even solve the world's biggest problems through innovation. Seems pretty cool, right? Let's start digging for answers into this groundbreaking subject!

Grades 9, 10, 11, 12

Advanced Networking 1 ◉ *

GRADES 9, 10, 11, 12 Elective SEM

The world has never been more connected than it is today and through advancing network technologies, tomorrow will be even more tightly united. In this course, you will learn about a variety of different networks, their layers, and the different needs they address. You'll uncover best practices for setting up secure remote access connections, techniques to troubleshoot and think strategically, and correct documentation. Lastly, you'll learn tips to successfully communicate in the workplace. Get ready to support tomorrow's connectedness today!

Allied Health Assistant 1 ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Allied health encompasses a broad range of different health care professionals who provide a range of skills in the fields of dentistry, pharmaceutical, medicine, nursing, nutrition, rehabilitation, and more. This course is the second course of the Allied Health concentrator sequence and gives you the needed skills to pursue any of these careers in allied health.

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

American Sign Language 1 ◉

GRADES 9, 10, 11, 12 Elective SEM

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? Learn introductory vocabulary and simple sentences so that you can start communicating right away. Importantly, explore Deaf culture – social beliefs, traditions, history, values, and communities influenced by deafness.

American Sign Language 2 ◉

GRADES 9, 10, 11, 12 Elective SEM

The predominant sign language of Deaf communities in the United States, American Sign Language, is complex and robust. Discover more of this language and its grammatical structures through expanding your vocabulary with acquiring hundreds of new signs. Additionally, explore interesting topics like Deaf education and Deaf arts and culture, and learn about careers where you can use your ASL skills.

American Sign Language 3 ◉

GRADES 9, 10, 11, 12 Elective SEM

As you dive into more advanced ASL signing, including unique grammar features and advanced classifiers and locatives, you'll learn, compose, and present your new-found vocabulary and narratives by immersing yourself in Deaf culture and community. From opinions, slang, and idioms, to using technology and media that offers authentic Deaf perspectives. Explore how travel, cultural differences, and geography affect sign language. And gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and literature.

Anatomy and Physiology 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Whether you plan on pursuing a career in health sciences or simply looking to gain an understanding of how the human body works, you'll first need to understand the relationship between anatomy and physiology. Learn how to read your body's story through understanding cell structure and their processes, and discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems.

Anatomy and Physiology 1B: Discovering Form and Function ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Examine the form and function of even more body systems. Learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. And discover the importance of accurate patient documentation as well as the technology used in the industry.

Animation 1A: Introduction ◉

GRADES 9, 10, 11, 12 Elective SEM

Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation!

Animation 1B: Animating Your Creativity ◉

GRADES 9, 10, 11, 12 Elective SEM

It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

Applied Engineering 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Discover how technology has changed the world around us by pursuing technological solutions to everyday problems. While using scientific and engineering methods, learn how electricity, electronic systems, magnets, and circuits work. Understand the design process and bring your ideas to life. Explore how engineering advances your ideas and the world!

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Applied Engineering 1B: Solving Problems Together ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Do you like to invite solutions to solve problems? Applied engineering has advanced areas such as energy, transportation, health and genetics, alternative energy, food packaging, etc. Explore various inventions and solutions that have solved problems across industries. Examine how artificial intelligence and technology are making an impact on breakthroughs. Evaluate the range of robotic and STEM-related career options available for you to make a difference in lives with your contributions and innovations.

Archaeology A: Detectives of the Past ◉

GRADES 9, 10, 11, 12 Elective SEM

Imagine what it must feel like to uncover an artifact from the past! Archaeology helps us to better understand, through discovery and analysis, how ancient civilizations have shaped the modern world. Explore the techniques, methods, and theories Archaeologists use to conduct their studies to locate and unlock the secrets of a long and colorful past. Let's get exploring!

Biotechnician 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

There are so many mysteries that need unraveling in the world today that can help us grow better crops, cure diseases, combat pollution, solve crimes, and so much more. If you love the idea of solving problems to make the world a better place, a career as a biotechnician may be for you. In this course, you'll learn the basics of lab safety, how to perform tasks crucial to experimentation, biological basics, and about the exciting careers available in the field of biotechnology. Not all heroes wear capes. Some wear lab coats. Grab yours and let's get started!

Biotechnology 1B: Unlocking Nature's Secrets ◉

GRADES 9, 10, 11, 12 Elective SEM

Dig deeper into the world of biotechnology! Learn how and why biotechnology is so important to the agricultural, pharmaceutical, and genetic fields of study. You'll learn about mapping the human genome, the role of antibiotics, how medicine is created to combat diseases, and the future of the biotechnology field. It's time to explore the depth and breadth of this fascinating field!

Business Communications 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer.

Business Communications 1B: Listen, Speak, and Write in the Workplace ◉ *

GRADES 9, 10, 11, 12 Elective SEM

You've learned your audience, found your voice, and can read the body's unspoken words. Now, it's time to limber up those fingers and learn the P's and Q's of communicating in a business setting. In this course, you're going to take the basic writing skills you've developed and revise them so you can take new approaches to planning, building, and distributing documents for a business audience. You'll continue to explore the essentials of writing while drafting new understandings of business documents, and then you'll learn to apply your business communication skills to job applications, interviews, and presentations. No matter your career of choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing!

Business Information Management 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Do you dream of owning your own business someday, or working for a company in a leadership position? Wherever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you're on the path to success. Let's explore your passion for business in this course!

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Business Information Management 1B: Data Essentials ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are also explored so that you become better prepared for jobs in this field.

Business Law 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Whether you plan on starting your own business or being in charge of one, it is crucial you understand how to keep the company compliant. Explore what it means to run an ethical business, how to keep intellectual property, technology, and e-commerce safe and protected, understand insurance and taxes, and how to have a healthy workplace environment. Keep the business safe and growing by following the law.

Business Law 1B: Legal Aspects of Business ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Whether you plan to start your own business, work for an organization, or go into law, it's essential to understand more complex legal requirements that impact business operations and decisions. This is especially true as companies grow and expand domestically and internationally. Explore the differences between criminal and civil law. Examine how state and federal regulations work to protect consumer and employees' rights, protect society and the environment, and understand how business contracts can work to protect everyone.

Business Ownership 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality? Let's get goaling!

Business Ownership 1B: Reach for the Stars ◉ *

GRADES 9, 10, 11, 12 Elective SEM

You've defined your business and made a plan to launch your vision, and now, it's time to turn that business into a well-oiled machine! In this course, you'll familiarize yourself with tried-and-true strategies for success! You'll distinguish market segments, develop the appropriate market mix, brand your business, create a top-notch customer service environment, and calculate financial factors for the crucial first year- and every year after! Owning a booming business doesn't happen by accident. Let's learn what it takes and execute on the essentials to turn your business vision into a reputable reality!

Careers in Criminal Justice 1A: S1 Introduction ◉

GRADES 9, 10, 11, 12 Elective SEM

Have you ever wondered what steps take place as people as they move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order.

Careers in Criminal Justice 1B: S2 Finding Your Specialty ◉

GRADES 9, 10, 11, 12 Elective SEM

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Computer Maintenance 1: S1 Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Computers are soldered into all aspects of our daily life, and when they stop working, it can seem like our network has collapsed. If you are fascinated by the inner workings of computers and how to keep them running, then a career in computer maintenance may be for you! In this course, you'll learn how computers are set up starting with the software and operating systems and what to do when hardware and software issues are encountered. You'll learn different types of data communication, various power supply units, essential components like motherboards and memory and much more! Grab your personal expansion card, and let's hardwire some new knowledge about computer maintenance.

Computing for College and Careers 1a: Introduction ◉

GRADES 9, 10, 11, 12 Elective SEM

Technology has made an impact on nearly all facets of our lives, and it will continue to make an impact on yours as you make your way into college and career! In this course, you are going to pull back the veil on what goes into some of the technology we use every day. You will investigate computer hardware and software and learn what goes into building a computer while exploring programs and applications, you'll study the history of the internet and how to use its capabilities even more effectively, and you'll also dive deep into email and some of today's most powerful processing tools. Get ready to really know the technology you have at your fingertips so you can continue to make it work for you!

Computing for College and Careers 1b ◉

GRADES 9, 10, 11, 12 Elective SEM

You have looked at the building blocks of some technologies you use on a daily basis, and now it's time to dig even deeper to see how it can help determine your future! In this course, you'll analyze modern websites, learn design elements and principles, and even create your very own website. You'll learn to write algorithms, use common web languages, and explore some of the basics of AI all while becoming a good digital citizen. Lastly, you'll explore various careers in computing, learn about industry certifications, and see how a resume and portfolio can help you. Let's look to the future!

Computer Maintenance 1a: S2 Network Needs ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Almost anywhere we go today, from malls to coffee shops, and even our homes is an intertwined web of wired, wireless, and cloud-based networks that access our personal data. In this course, you'll dig into computer networks and their extensive capabilities. You'll explore data exposure and how to mitigate threats, discuss the fundamentals of network design and layout, learn how cloud-based services store data, discover the differences between wired and wireless networks, and dream of possibilities as you explore fun network options like smart home systems. Let's continue navigating the complex world of computer maintenance.

Computer Maintenance 1b: S2 Network Needs ◉ *

GRADES 9, 10, 11, 12 Elective SEM

You have looked at the building blocks of some technologies you use on a daily basis, and now it's time to dig even deeper to see how it can help determine your future! In this course, you'll analyze modern websites, learn design elements and principles, and even create your very own website. You'll learn to write algorithms, use common web languages, and explore some of the basics of AI all while becoming a good digital citizen. Lastly, you'll explore various careers in computing, learn about industry certifications, and see how a resume and portfolio can help you. Let's look to the future!

Concepts of Engineering and Technology ◉

GRADES 9, 10, 11, 12 Elective SEM

Learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. Explore the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. By examining astounding engineering feats and complex ongoing issues, you'll begin to question whether the word impossible really exists.

Cosmetology 1A: Cutting Edge Styles ◉

GRADES 9, 10, 11, 12 Elective SEM

We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? Just like all careers, cosmetology requires certain skills and characteristics. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course!

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Cosmetology 2A: The Business of Skin and Nail Care ◉

GRADES 9, 10, 11, 12 Elective SEM

This vibrant industry needs skilled and personable professionals well-versed in the latest trends and technological advances. Explore what the day-to-day life of a cosmetologist is like, and discover that cosmetology is much more than knowing and applying techniques. Learn skin care and facials, how to give manicures and pedicures, how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.

Cosmetology 3A: Introduction to Hair Skills ◉

GRADES 9, 10, 11, 12 Elective SEM

Cosmetology is a specialized field with a high skill set. Examine the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. You'll learn about hair types, face shapes, and color theory. And, to effectively prepare you for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined.

Cosmetology 3B: Waving, Coloring, and Advancing Hair Skills ◉

GRADES 9, 10, 11, 12 Elective SEM

Let's delve into the realm of hairstyling and cutting techniques! Explore a variety of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Discover manual curling and the use of chemicals to curl and straighten hair, as well as safety when working with chemicals. Expect to be well versed with a plethora of hair skills upon completion.

Criminology A: Inside the Criminal Mind ◉

GRADES 9, 10, 11, 12 Elective SEM

Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life: psychological, biological, sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system.

Culinary Arts 1A: Introduction ◉

GRADES 9, 10, 11, 12 Elective SEM

Thinking of a career in the food service industry or looking to develop your culinary skills? Explore basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.

Culinary Arts 1B: Finding Your Palate ◉

GRADES 9, 10, 11, 12 Elective SEM

Did you know that baking is considered a science? Discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. Explore careers in the culinary arts for ways to channel your newfound passion!

Culinary Arts 2A: Baking, Pastry, and More! ◉

GRADES 9, 10, 11, 12 Elective SEM

Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, you'll build a strong foundation and grow your knowledge of this exciting industry. Explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. Enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company.

Dental Assistant 1A : Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Dental Assistant 1a: Introduction Are you a compassionate person who genuinely cares about helping others be healthy? Learn how becoming a Dental Assistant can offer you a rewarding career as well as job security. Start with learning the different roles within a dentist's office, organizations to get involved with, and basic head, neck, and dental anatomy. Learn what it takes to embark on a career sure to provide personal and professional fulfillment.

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Digital Design 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Digital Design 1a: Introduction Are you an artistic person drawn to the idea of creating graphic elements? Then a career in digital design may be for you! In this course, you will learn the basic principles of design, the tools needed to succeed in the industry and how to design objects for specific purposes and audiences. You'll also learn how to market yourself and open your own design business all while building a portfolio. Let's align your skills and dreams today for a career in digital design!

Digital Media Fundamentals 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Digital Media Fundamentals 1a: Introduction Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field!

Digital Media Fundamentals 1B: Producing for the Web ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Digital Media Fundamentals 1b: Producing for the Web Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field.

Digital Media Web Design 2A: Build a Portfolio Website ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Digital Media Web Design 2a: Build a Portfolio Website Did you know that you are consuming digital media every time you open an app or use your computer or tablet? Digital media may be a webpage, video, image, podcast, form, or more. Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options. It's your turn to start designing websites and experiences for digital media consumers.

Digital Media Web Design 2B: Build an eCommerce Website ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Design 2b: Build an eCommerce Website Think of the best online stores you've visited. What do you think makes them unique? How do they keep buyers engaged and purchasing? Before you can design a great eCommerce store, it's essential to understand how one works. Learn the trends, design principles, and security strategies. Explore what it means to adhere to ethical and legal requirements and complying with industry standards and accessibility. It's time to start designing the next best eCommerce site!

EKG Technician 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

EKG Technician 1a: Introduction Our hearts are essential to our survival. And EKG technicians play an important role in administering tests and evaluating data given by the electrocardiogram (EKG) to treat patients effectively. Explore the cardiovascular system and its anatomy, and its role in our body, health, and lives. If you're a people person and want to work in healthcare, build the knowledge and skill base to prepare you for a cardiovascular career.

EKG Technician 1B: Analysis and Response ◉ *

GRADES 9, 10, 11, 12 Elective SEM

EKG Technician 1b: Analysis and Response Does the thought of becoming an EKG Technician still make your heart skip a beat? Continue your journey through the peaks and valleys of EKG waves and really dig into the details of the cardiac code to fulfill your ultimate goal: saving lives! This course will prepare you to interpret different EKG waves, how to spot wave abnormalities, how to differentiate between different disorders, and how to treat those disorders. Let's get ready to continue your adventure into the world of cardiology and a possible career as a EKG Technician!

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Emergency Medical Responder 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Emergency Medical Responder 1a: Introduction Have you ever wondered what happens after making a 911 call? Get a realistic look into the day-to-day, fast-paced life of an EMR and how their roles and responsibilities fit into the larger picture with Emergency Medical Services. Discover how to conduct a patient assessment when you arrive on a scene and assess and treat various medical emergencies. If you've ever dreamt of being on the front lines, providing quality care to save someone's life, then explore the exciting career as an Emergency Medical Responder.

Emergency Medical Responder 1B: Prepared for Action ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Emergency Medical Responder 1b: Prepared for Action Being an emergency medical responder is dynamic and challenging. EMRs are first responders who are prepared for action! Explore how to care for diverse patients and in unique and even difficult situations. From advanced trauma to childbirth, from mass casualties to special conditions. EMRs are trained to care for, treat, move, and transport patients in various situations and play a vital role as part of an EMS response team.

Entrepreneurship 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Entrepreneurship 1a: Introduction Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

Entrepreneurship 1B: Make Your Idea a Reality ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Entrepreneurship 1b: Make Your Idea a Reality You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

Ethnic Studies 1a: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Learning about cultures outside of our own is important when it comes to understanding the human condition. In this course, you will learn about the histories, experiences, cultures, and issues of different racial and ethnic groups all living within United States. You will examine the concepts of identity, dominant culture, and perspective including bias, stereotyping, discrimination, and prejudice. You will also study key events that shaped the nation's history to help you build a better understanding of the United States' varied cultures and their point of view. Let's work to develop a deeper understanding of our peers and embrace our diversity.

Ethnic Studies 1b: Embracing Cultures ◉

GRADES 9, 10, 11, 12 Elective SEM

You have studied the big picture of diverse cultures around you, but now it's time to zoom in and investigate what ethnic studies means to the individual. In this course, you will explore how knowledge of different cultures shapes our views of ourselves, our communities, and the world around us. You will examine the reasons for and outcomes of people moving place to place, mitigation and healing of intergenerational trauma, social movements, alternative futures for marginalized groups, and more. Let's work to develop a deeper understanding of ethnic studies for ourselves and our peers.

Food Safety ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Do you dream of working in the food industry, dazzling guests' tastebuds with delectable dishes? Before you can deliver on your dreams, you first must know how to keep guests safe. In this course, you'll learn the ins and outs of the food industry, food preparation safety, and keeping workspaces and surfaces clean to prevent food borne illness. You'll explore understanding and preventing pathogens from spreading to food and setting up a food service facility to maintain compliance. You'll also learn about the wide variety of job options and titles within the food industry. Let's get ready to learn the important safety measures that lead to your culinary dreams!

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Forestry and Natural Resources ◉

GRADES 9, 10, 11, 12 Elective SEM

Thriving forests are an essential part of the health of the planet, from our wildlife's ecosystem to providing humans with clean air to lumber and paper products. But forests cannot protect themselves and depend greatly on humans for conservation. Learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. Forestry offers diverse professional opportunities, and for those concerned about the environment, it is a great choice.

Foundations of Game Design 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!

Foundations of Game Design 1B: Storytelling, Mechanics, and Production ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Now that you have the basics of game design down, let's use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. The content of this course also applies to certification exams.

Game Design 2A: Build a World ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Are you ready to enter this multi-billion-dollar industry and start applying your technical skills into a compelling package that will catch the eye of an employer? Beginning with conceptualization and the design process, you'll develop your game's story elements, narrative, plot, characters, and assets. Using game design software, you'll bring your game to life by applying lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game. Build a world players can get immersed in.

Game Design 2B: Launch a Game ◉ *

GRADES 9, 10, 11, 12 Elective SEM

You've already done the groundwork, and now it's time to level up and launch! In Game Design 2b, you'll take your runner game to new heights and enter the land of fire and ice using the cool tools that Unity has to offer! Get ready to build atmospheric landscapes, mountain runs, stair builds, and implement obstacles to keep your relic safe! Then, your real-world game begins: test and evaluate your game and prepare for a market launch! All of the moving parts of the game development process come together in this course, so you can unleash your game into the world!

Gothic Literature A: Monster Stories ◉

GRADES 9, 10, 11, 12 Elective SEM

It was a dark and stormy night, and the vampires, ghouls, and undead were on the prowl... Gothic Literature is riddled with the spooky, but did you know that this genre is so much more than a scary form of entertainment? In Gothic Literature, you'll learn about how some of the world's greatest authors from the 19th century through today used Gothic elements to tackle issues that needed serious attention: the class system, gender norms, racism, social injustice, and more! Grab your monster gear and explore why Gothic literature has retained its appeal even with today's audiences.

Great Minds in Science A: Ideas for a New Generation ◉

GRADES 9, 10, 11, 12 Elective SEM

Does life exist on other planets? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions. Like such famous minds from history as Edison, Einstein, Curie, and Newton, today's scientists are finding ways to revolutionize our lives and the world. Explore the extraordinary work of past individuals and how their ideas may very well shape the world of tomorrow.

Health 1A: Life Management Skills ◉

GRADES 9, 10, 11, 12 Elective SEM

What does it mean to be healthy? In the simplest terms, it means taking care of our body and mind. Explore the connections between your physical, mental, and social health. Learn how to promote better health by decreasing stress and finding a fuller vision for your life through lifestyle choices, interactions with others, healthcare, and making sensible dietary choices. Build your plan to ensure your overall health, happiness, and well-being!

Grades 9, 10, 11, 12 (continued)

Health Science Foundations 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Health science careers are not only in high demand, but they offer a diverse range of careers for all types of people interested

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

in helping others. Acquire foundational knowledge required to pursue a career in the healthcare industry, and the education, training, and credentials needed to attain them. Learn basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities. Explore communication, teamwork, and leadership techniques – providing a solid basis for those wanting to advance through the health sciences.

Health Science Foundations 1B: Professional Responsibilities ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Making sure that you, your patients, and your colleagues stay safe, you'll begin analyzing your responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Examine infection control, first-aid, CPR, and measuring a patient's vitals. Learn about numerical data, such as systems of measurement, medical math, and reading and interpreting charts. And examine effective teamwork and leadership characteristics while building your employment skills.

Health Science A: Nursing ◉

GRADES 9, 10, 11, 12 Elective SEM

The demand for nurses has never been higher! Learn what it takes to become a nurse, pursue a career, and understand the practice of nursing and the healthcare system. With a strong focus on patient care, you'll explore safety, communication and ethics, relationship building, and how to develop wellness strategies for your patients. From emergency to rehabilitative care, to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.

Health Science B: Public Health ◉

GRADES 9, 10, 11, 12 Elective SEM

What is public health? Who decides which diseases get funding and which do not? What are the reasons for health inequality? Study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role of worldwide current and future technologies and the ethics and governance of health on a global scale, and discover unique career opportunities you can pursue to make a difference.

Health Science Theory 1 ◉ *

GRADES 9, 10, 11, 12 Elective SEM

You've built a solid foundation of knowledge of the healthcare field, and now it's time to probe deeper into the healthcare profession. In this course, you'll review key aspects of the broad category of safety as well as learn how to assess and treat patients for an array of injuries. You'll learn how to identify emergencies, trauma and complex care, and the basics of CPR and life support. Lastly, you'll explore the importance of collaborating with other team members to manage and resolve conflicts. Let's suit up to learn how you can positively impact patients in the field of healthcare.

History of the Holocaust ◉

GRADES 9, 10, 11, 12 Elective SEM

"For the dead and the living, we must bear witness." Discover the harrowing details of the history of the rise of anti-Semitism that contributed to the start of the Holocaust and the power of the Nazi party. Learn of the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II, and what has been done since to combat genocide.

Hospitality and Tourism 1A: Traveling the Globe ◉

GRADES 9, 10, 11, 12 Elective SEM

Where is your dream travel destination? Now imagine working there! You'll be introduced to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around leisure and travel, spotting trends, and planning events are just a few of the key aspects you will explore within this exciting field.

Hospitality and Tourism 2A: Hotel and Restaurant Management ◉

GRADES 9, 10, 11, 12 Elective SEM

Are you a people person? Then hospitality may be the field for you! Learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. Discover trends and technology that makes each industry exciting and innovative.

Grades 9, 10, 11, 12 (continued)

Hospitality and Tourism 2B: Hotel and Restaurant Management ◉

GRADES 9, 10, 11, 12 Elective SEM

Embark on your journey to becoming a manager in the hotel or restaurant industry by gaining knowledge and developing a

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

variety of skills. Learn about different management styles, laws, and regulations that govern hotels and restaurants as well as how to develop job descriptions and business plans. You'll also explore how to create menus, advertise vacancies, perform interviews, and understand the financials of the hotel or restaurant.

Hotel Management 1 ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Creating unforgettable memories through luxury and meticulous care is a service that the best hotels can offer. In this course, you will learn about the business of hospitality and the different types of hotel ownership and programs. You'll explore the essential functions of a hotel from bookings, management systems, front and back of house operations, technologies, and more. You'll also discover what it takes to keep guests happy and run a sustainable program. Let's create some management magic!

Human Geography A: Our Global Identity ◉

GRADES 9, 10, 11, 12 Elective SEM

Modern humans have been roaming the Earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs, beliefs, and lifestyles? Learn how diverse people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Let's explore the important relationship between humans and their environments.

Grades 9, 10, 11, 12 (continued)

Human Resource Management 1 ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Are you ready to step into a critical leadership role that oversees the development of every successful business' most valuable resource? In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more! Are you ready to help develop invaluable human resources that are the heart of a company and help your company thrive? Learn how to create a winning culture through human resources!

Introduction to Networking 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

What would happen if we didn't have the internet? The internet is one example of a network, so you can only imagine why networking careers are essential. Start exploring the fundamentals of networking, learning about the different parts of a computer and hardware, network operating systems, and understanding how common network devices can be connected. You'll get hands-on to explore different types of cables used to create networks – and even make cables in Wired Networking activities. Get started with your introduction to networking!

Introduction to Networking 1B: Network Oversight ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Network administrators are responsible for the oversight of an organization's computer network. This includes installing hardware and software but also relies on considerable technical skills to resolve network issues. Discover how to set up a network, troubleshoot problems, monitor network security, infrastructure, performance, and contribute to creating policies and procedures. As a network admin, you'll help keep businesses safe and running correctly.

Introduction to Programming 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Have you ever wondered how your favorite software is created? Explore the software development life cycle from start to finish while developing your own programming skills with Python. Explore the power of data and algorithms along with their influence on the world. Launch yourself into the endless possibilities a career as a programmer can bring you!

Introduction to Programming 1B: Problem Solving Through Programming ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Dig deeper and expand your knowledge as you discover how programming can solve a vast array of problems. Plan and develop a problem-solving program while performing testing, debugging, and quality assurance procedures. Design and plan your own app as part of your capstone project to give you a thorough introduction to the world of programming.

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Journalism 1A: Introduction ◉

GRADES 9, 10, 11, 12 Elective SEM

Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

Journalism 1B: Investigating the Truth ◉

GRADES 9, 10, 11, 12 Elective SEM

Journalists are asked to tell the world a story every single day—and their job is, to tell the truth. Learn how to choose a topic, structure your story, research facts, hone your observational skills, and write an article following journalism tradition. Go beyond the print world and discover how journalism can lead to exciting careers that will put you right in the action.

Legal Admin Specialist 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Do you picture yourself working in a law office or maybe even in a courtroom someday? A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin.

Legal Admin Specialist 1B: Taking Care of the Legal Office ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Wherever your legal admin career takes you, understanding the responsibilities of a law office requires strict attention to detail, communication skills, office competence, and legal savvy. What does a legal admin need to know and what duties do they perform? How do confidentiality, cybersecurity, and client relations look different in a legal office? Learn the answers to these questions and so much more for this exciting career with endless opportunities to prove your value, learn, and grow.

Management 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

From the shift managers at small businesses to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management.

Management 1B: Insight and Oversight ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Every business and company needs management of some type. But what skills must you master in order to become an effective professional? Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field

Manufacturing A: Product Design and Innovation ◉

GRADES 9, 10, 11, 12 Elective SEM

From the shift managers at small businesses to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management.

Marketing Foundations 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Explore the fast-paced and exciting world of marketing! Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research, and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business.

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Marketing Foundations 1B: Building Your Base ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Dig deeper into the world of marketing and what it means for business success! Become a marketing mix pro by studying understanding branding, advertising, promotion strategies, and more, through real-world applications and practices. And explore the secrets of advertising and promotion. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field!

Marketing 2A: Global Business and Trade ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Can you think of a brand that first launched in the U.S. and then became popular in other countries? Facebook™ did this very thing! Without a solid understanding of business and international marketing strategy, it becomes nearly impossible to be successful and stand out from the crowd. Discover how business and marketing works around the world. You'll learn about topics such as regulations, market research, marketing plans, global trends, buying and selling internationally, and more.

Marketing 2B: Developing a Sales Team ◉ *

GRADES 9, 10, 11, 12 Elective SEM

How does a business make money? If you said sales, then you're right! This course explores the secrets to sales. You'll learn expectations, best practices, sales planning, building a clientele that becomes long-term buyers, and how to stay motivated to sell, sell, sell! If sales management is your goal, you'll learn about management styles, how to find, hire, train, motivate, and compensate your team.

Medical Assistant 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

It takes a strong team to offer top-notch patient care, and each team member plays in integral role. Are you a team player interested in coordinating patient care? Then a career as a medical assistant may be right for you! In this course, you will acquire medical terminology, investigate anatomy and physiology, learn keys to professionalism in an office setting, and explore office roles while building a professional portfolio. Let's learn what it takes to fill the important shoes of a medical assistant today!

Medical Diagnostic Technology 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Have you ever wondered how a health professional knows how to diagnose an illness? Or what medications to prescribe to a patient depending on the person's body and their signs and symptoms? Learn about different diagnostic technology used and essential body systems and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it!

Medical Diagnostic Technology 1B: Exploring Systems & Procedures ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Our bodies are complex, and when we start feeling ill, a doctor or specialist must analyze and diagnose what could be wrong. Learn about different diagnostic technology, procedures, essential body systems, and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it!

Medical Lab Assisting 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Getting to the root of medical issues and uncovering ailments is the core of the medical field. Are you drawn to the idea of being part of a team who helps identify diseases and health-related issues? Then the role of a medical lab assistant may be for you! In this course, you will learn what it takes to become a skilled medical lab assistant including understanding medical ethics, communicating with patients, performing blood draws and managing specimens, lab safety, and potential career paths! Grab your lab coat and latex gloves, and let's draw some new knowledge to help others!

Medical Office Administration 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Caring for a patient takes more than a medical degree: it takes a team! In this course, you will build your knowledge of medical terminology, medical office processes, the technology that keeps an office humming, and the laws that keep it operating ethically. You'll also explore different office roles all while building the beginnings of a portfolio. Let's march through the waiting room and throw open the doors to a career as a Medical Office Admin today!

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Medical Terminology 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

Medical Terminology 1B: Discovering Word Foundations ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real-world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms.

Grades 9, 10, 11, 12 (continued)

Microsoft Access ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Learn to create, manage, and link databases for essential business operations. Develop your database, design, and planning skills and learn to implement security features to protect and back-up your important data. Put your new skills into practice with a capstone project. The content of this course will be applicable to the Microsoft Office Suite certification exam

Microsoft Excel ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Discover the real-world uses of Microsoft Excel and its impact on business, academic, and personal applications. Move from inserting and manipulating data, to working with tables, charts, graphs, and calculations. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

Microsoft Outlook ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Master your email and learn about Outlook's functions to produce professional communications, helping you to succeed in business and in life. Understand effective communication techniques, working with attachments, formatting, replying, and organizing. Be prepared for your day with other features such as calendars, contacts, and tasks. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

Microsoft PowerPoint ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Learn to create clean and professional presentations while also building your skills as a speaker, leader, and marketer! Create and format presentations while inserting multimedia, images, transitions, and animations to make a dynamic final product! Content of this course will also be applicable to the Microsoft Office Suite certification exam.

Microsoft Word ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Learn to effectively and efficiently use one of the most common tools of business, school, and personal correspondence! Discover how to format and style documents using fonts, colors and editing tools, create tables, use bullets and numbering, and insert images. Skills you learn in this course can be applied immediately and prepares you to take the MOS Word certification exam, and content is applicable to the Microsoft Office Suite certification exam.

Military Careers A: Introduction ◉

GRADES 9, 10, 11, 12 Elective SEM

Do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine. You will learn about the five military branches – Air Force, Army, Coast Guard, Marines Corps, and Navy – and examine which jobs you might like to pursue. From aviation to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

Music Appreciation A: Network Security Fundamentals 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Have you seen news headlines about cyber data breaches or hacks? With so many businesses working hard to ensure that their data and their customers' information stay safe and secure, it's no wonder that careers in cybersecurity are in high demand. Learn what information security is, hackers, viruses, spyware, network systems, identifying potential vulnerabilities, protecting against attacks, and creating a disaster and response plan if breaches do occur. Could you be the security specialist that stops the next cyberattack?

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Network Security Fundamentals 1B: Forensics and Permissions ◉ *

GRADES 9, 10, 11, 12 Elective SEM

As the world becomes increasingly more interconnected by technology, computer and mobile-based crimes are becoming more prevalent. Explore cyber forensics, encryption, cryptography and cryptology, user and password management to mitigate large data breaches, and other threats, vulnerabilities, and security issues. Discover what it takes to enter this high-demand career field. As a cybersecurity specialist, you'll never get bored with trying to keep individuals and organizations safe!

Nursing Assistant 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

If you ever wanted a career that is centered around the care of others and that directly impacts the most vulnerable populations, then it's time to explore what it means to be a Nursing Assistant. This role can be the first step on your nursing career ladder or into other healthcare positions. Learn career options, ethical and legal responsibilities, anatomy and physiology, patient care, and safety. Discover what it takes to start your journey into this highly needed field.

Nursing Assistant 1B: Patient Care ◉ *

GRADES 9, 10, 11, 12 Elective SEM

As a Nursing Assistant, you are heavily involved in the care of your patients. But what does a typical day look like? How do you care for your patients during your shift? From hospital settings to home health care, from pre- and postoperative to rehabilitation. Discover how best to communicate and work with your team to ensure a safe environment, prevent and control infectious diseases, advocate for your patient's rights, and provide appropriate care – even for the most complex patient needs.

Office Administration 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Businesses worldwide and across every industry are always on the lookout for highly skilled administrative professionals to help their business be successful and thrive. Explore what it means to have effective verbal and written communication, speaking, and listening skills to work with diverse people and teams. Then dive into learning how to leverage various technology and software businesses use to stay connected and productive.

Office Administration 1B: Running the Office ◉ *

GRADES 9, 10, 11, 12 Elective SEM

You have learned some of the skills that an administrative professional must possess, but now it's time to take those skills to the next level! You will explore the responsibilities of an administrative professional to understand what a typical workday looks like and even what goes into searching for an administrative professional role: searching, applying, and (the most exciting part!) securing. Do you love the idea of being the glue in a successful business, helping everything run smoothly and properly? Then let's continue your journey into the career of an administrative professional!

Operational Cybersecurity 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Even when we use the strongest bricks, Firewalls can be breached and other security measures can be exploited by malicious cyberattackers. In this course, you will assume your role as Chief Information Security Officer (CICO) responsible for a data network's design, maintenance, and end-user training. You will explore essentials of keeping networks safe and secure through the use of cryptology, keys, and certificates before moving into the important practice of risk assessment. In the end, your attention will shift to mitigating and managing identified risks and working with key stakeholders to improve the organization's security posture and disaster response. Are you ready to help businesses protect personal information and outsmart cyber attackers? Grab your white hat, BYOD, and let's get started!

Pathophysiology 1a ◉ *

GRADES 9, 10, 11, 12 Elective SEM

It takes the mind of a detective to uncover the cause of disease, and this is where your investigative brain and desire to heal people comes in! In this course, you'll build foundational knowledge needed to understand disease in all forms along with signs, symptoms, and prevention. You'll learn how medical professionals arrive at the right diagnosis that leads to proper treatment and a successful outcome. You'll also sharpen your sleuthing skills learning how to collect and work with data, develop and test hypotheses, and design a study, and you'll even research potential STEM careers! Grab your detective hat and get ready to explore the tiny world of pathogens.

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Pathophysiology 1b: Beyond the Pathogen ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Now that you have a basic understanding of pathophysiology, it's time to turn up the magnification on your microscope and get a good look at the most common body system disorders and diseases. In this course, you will examine the pathologies of common causes of mortality as well as other pervasive concerns tackling diagnosis, treatment, and prevention. You will investigate factors that contribute to disease like age, gender, heredity, and lifestyle, and then you'll go global, looking at worldwide environmental concerns and world health challenges. Crank that magnification and let's continue your exploration of this exciting science.

Peer Counseling ◉

GRADES 9, 10, 11, 12 Elective SEM

Are you a great listener and love to help people achieve their goals? The role of a peer counselor is a rewarding one. Learn the skills of observation, listening, and emphatic communication that counselors need, while also discovering basic training in conflict resolution and group leadership. You'll learn how to be a great peer counselor, but also how to communicate effectively in personal and work relationships.

Pharmacology 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

If you ever thought about pursuing a gratifying career in biomedical sciences, pharmacology is a must. Pharmacology is the fascinating study of the chemistry, origins, and types of medications. Whether you plan on going into medicine, nursing, dentistry, veterinary medicine, or pharmacy, you'll need to learn the effects of medicines on different biological systems, appropriate dosages, and how the body responds to different medications.

Pharmacology 1B: Analysis and Effects ◉ *

GRADES 9, 10, 11, 12 Elective SEM

When implemented with care, medicine can cure illnesses and even save lives, but when distributed incorrectly, therapeutics can cause great harm. In this course, you will delve deeper into the study of medicine and treatments available to patients. You will learn about available medications for specific diseases, the way therapeutics work in the body, different drug classifications, the law behind administering drugs, and what a Pharmacy career can look like. Are you ready to continue injecting your brain with essential knowledge for a career in the medical field? Let's continue your journey of care.

Philosophy A: The Big Picture ◉

GRADES 9, 10, 11, 12 Elective SEM

Have you ever thought about 'deep' questions like "Who am I?" "What do I really know about the world?" If so, you're not alone. Philosophers are some of the most brilliant and influential thinkers, some of whom have influenced many of our fundamental ideas in Western civilization, such as government, law, and society. Learn about famous philosophers and explore some of the same questions these great thinkers pondered.

Principles of Agriculture, Food and Natural Resources ◉

GRADES 9, 10, 11, 12 Elective SEM

Did you know that the world's population could be 11 billion people by 2050? With a growing population, how do we keep everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Gain a stronger sense of how we can maximize the foods and natural resources the earth provides. Learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

Principles of Business, Marketing, Finance 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility.

Principles of Business, Marketing, Finance 1B: Targeting Your Business Insight ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job!

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Principles of Information Technology 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Ready to develop your understanding and proficiency in computers? Explore a range of concepts to gain the foundational knowledge you'll need to start exploring careers in this field to find out which ones suit your interests and abilities. Learn about computer hardware and maintenance to data management and storage options to network systems, administration, and troubleshooting. Then dive into word processing, spreadsheets, and databases to cement your knowledge of information technology!

Principles of Information Technology 1B: Working with Computers ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Take the IT knowledge you have to a more advanced level. Starting with an overview of programming, algorithms, and compilers, you'll then learn the basics of web page design and creating graphics. Explore security and cybercrime, emerging technologies, presentation software, and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education!

Principles of Public Service A: To Serve and Protect ◉

GRADES 9, 10, 11, 12 Elective SEM

Public service is a field that focuses on building a safe and healthy world, and you'll explore the many different career choices that are imperative to our comfort and success as a society. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!

Professional Sales and Promotion ◉ *

GRADES 9, 10, 11, 12 Elective SEM

They say money makes the world go round, but sales is what keeps the world spinning. In this course, you'll explore the power of promotion and how to rise to the ranks of an elite sales and promotions rep. You'll dive into what it takes to be a stellar seller, how salespeople work together in teams to meet goals, and how the savviest sales managers employ proven sales methods mixed with technology, tools, and psychological insights to build and operate an efficient sales team. Are you ready to keep the world in motion? Let's uncover the secrets of sales success.

Programming 2A: Procedural Programming ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Congratulations; you're speaking a different language! A programming language that is. But do you want to learn more? Discover the most popular programming languages and what they have to offer the software world. Explore data, algorithms, and objectives and how they are essential to language 'speak'. Learn the software development life cycle and how it can be implemented so you can create projects, such as a prototype for an app you'll code and a working to-do list website.

Programming 2B: Creative Programming ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Get ready to take your programming abilities to the next level in Programming 2b! You'll start by developing a simple web page using HTML, CSS, and JavaScript and then you'll practice your Python skills, making your own photo editor and sound player! Using API, you'll practice adding a weather widget to a website and you'll ensure page safety using encryption techniques through Python. You'll test, you'll inspect, you'll collaborate, and for your finale, you'll craft a graphical user interface for an app using Python's Tkinter! Let's get ready to program!

Reading and Writing for Purpose ◉

GRADES 9, 10, 11, 12 Elective SEM

As you move through high school to college or to your career, the types of writing and documents become more high stakes. Real-world information can be journalistic and researched-based articles, legal, insurance, college entrance forms, employment, vehicle-related documents, and more. Learn how to critically read, write, and evaluate real-world writings to set you up for your future success.

Restaurant Management ◉

GRADES 9, 10, 11, 12 Elective SEM

Have you ever dreamed of running your own restaurant? Explore exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit-down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step.

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Robotics 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Are you fascinated with how machines work? Robots are machines, and they are all around us, from helping doctors in surgeries to helping to keep our homes clean. Explore the physics, mechanics, motion, and the engineering design and construction aspects used to develop robots. Learn how models are created through both sketches and software. Discover STEM careers and the education needed to enter this high-demand field.

Robotics 1B: Intelligent Robots ◉ *

GRADES 9, 10, 11, 12 Elective SEM

The robots have invaded... and they're here to make our lives easier. You've learned about the basics of robotics and STEM careers, but now we're going to learn about manipulating the physical world to create desired effects. In this course, you'll learn to manipulate electrical signals to create logic and memory, how to quantify the physical world through variables, and how to have an impact through tools. You'll discover how to choose the best tools and materials, how to create AI, and how to take an idea from initial planning to a completed project. Let's continue the pursuit of a career in robotics so the friendly invasion can thrive!

Social Problems 1A: A World in Crisis ◉

GRADES 9, 10, 11, 12 Elective SEM

War, crime, poverty, global warming, healthcare, effects of media, and more. Explore some of the biggest challenges facing our world today and what led to these social problems. What effects do they have on our lives and societies? What possible solutions exist for solving them? Discover what measures you can take to tackle these issues head-on and start to develop your plan of action.

Social Problems 2A: Crisis, Conflicts and Challenges ◉

GRADES 9, 10, 11, 12 Elective SEM

Sometimes our world is filled with problems. Explore more of the challenges we face as individuals and as a global society and learn what we can do to reduce the effects of these conflicts and problems. From drug abuse to terrorists to homelessness and obesity, we can better face and solve these problems when we have a deeper understanding of their causes and influences on our lives.

Sports and Entertainment Marketing ◉

GRADES 9, 10, 11, 12 Elective SEM

The bright lights. The roaring crowds. The chants and cheers and applause. If you are drawn to the electricity of large events and the challenge of making events successful, a career in sports and entertainment marketing may be for you! In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!

Sports Medicine 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

What do you think of when you hear the phrase "sports medicine professional"? Believe it or not, the term encompasses a much larger range of career options than jobs typically associated with this field. Explore some of the most popular career pathways, day-to-day responsibilities, emergency care for athletes, and legal obligations. Discover what nutrition, healthy lifestyle, and fitness truly mean, and dive into anatomy, human biomechanics, and exercise modalities. Learn how to get started in this exciting field.

The Lord of the Rings: An Exploration of the Films and Their Literary Influences ◉ *

GRADES 9, 10, 11, 12 Elective SEM

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

Theater, Cinema, and Film Production 1A: Introduction ◉

GRADES 9, 10, 11, 12 Elective SEM

Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let's bring your creativity to life!

Grades 9, 10, 11, 12 continued

High School

◉ A–G approved * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Theater, Cinema, and Film Production 1B: Lights, Camera, Action!

GRADES 9, 10, 11, 12 Elective SEM

Lights, camera, action ... take two! Whether you're a performer, critic, or fan, you'll pull back the curtain to dive deeper into the making of movies and theater performances. Explore multiple facets of the production process from both theater and film. Gain insights from industry leaders along the way and learn to think critically about different aspects to develop your unit-by-unit blog. You'll fully understand how high-quality entertainment and art are crafted for the theater and the silver screen.

Touch Systems Data Entry ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Watching a keyboard wizard work their magic over the keys is mesmerizing, and now, you can learn the magic of their movements! In this course, you'll build a solid foundation of typing skills, develop good habits and techniques, and build...

Veterinary Science A: The Care of Animals ◉

GRADES 9, 10, 11, 12 Elective SEM

Whether you want to step into the wild side of veterinary medicine or just take care of loveable dogs and cats, explore how to care for domestic, farm, and wild animals, diagnose their common diseases and ailments, and learn about different veterinary treatments. If you have always been drawn to the world of our furry, scaly, and feathered friends, this is the course for you!

Web Development 1A: Introduction ◉ *

GRADES 9, 10, 11, 12 Elective SEM

How many times per day do you access the internet, including social media? The web is an important part of our daily lives, so it's no surprise that web development is one of the hottest career fields. Start to explore professional web development, including how to create content for the web. You'll learn about topics such as servers, file organization, HTML, CSS, Javascript, and the development stack that will let you build any website you can dream up.

Web Development 1B: Planning and Designing ◉

GRADES 9, 10, 11, 12 Elective SEM

Websites need to be functional, but they need to look great while doing the job! Now that you've learned how to create web content, you'll learn how to apply design principles, like color combinations and font choices, to achieve the greatest impact. You'll also learn the behind-the-scenes tasks of organizing your files, ensuring website accessibility, following intellectual property regulations, and performing site backup and maintenance. Let's unravel the web development process!

Web Development 2A: Sketching and Scripting ◉ *

GRADES 9, 10, 11, 12 Elective SEM

You've already experienced web development on a smaller scale, but now, it's time to kick it up a notch! You'll hit the ground running with the Agile methodology of software development and how it plays into leadership and teamwork amongst developers. You'll also approach web development from a different perspective- your users!- and you'll learn to speak the language of JavaScript to enhance your web development efforts. Your efforts will commence in a professional portfolio that will allow you to experience GitHub to display your work. Let's get that framework going!

Women's Studies: A Personal Journey Through Film ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Break down stereotypes and learn about feminism and the women's movement. Learn to critically examine films while learning about the history of the women's movement and how gender, race, and social class influence us. Women have earned their right to stand up and be recognized as equal partners and reap the benefits of their hard work. As the anonymous quote goes, "History is Herstory too."

Workplace and Internship Readiness: Preparing for Work & Life ◉ *

GRADES 9, 10, 11, 12 Elective SEM

Starting your first "real" job can be intimidating. But when you know what to expect and learn how to be successful, you'll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!

High School

◉ **A–G approved** * **Additional Fees May Apply**

World Religions A: Exploring Diversity ◉

GRADES 9, 10, 11, 12 **Elective** **SEM**

Throughout the ages, religions worldwide have shaped the political, social, and cultural aspects of societies. Explore the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Trace the major developments in these religions and examine their relationships with social institutions and culture, as well as the similarities and differences and connections and influences they have.

P-CTE and Electives Catalog

The **P-CTE and Electives** curriculum catalog offers a robust catalog of career-focused digital courses for Career and Technical Education (CTE), electives, and STEM programs. These courses equip students with the relevant skills, knowledge, and industry expertise through innovative learning experiences.

The powerful instructional design delivers an exceptional learning experience for students that is engaging, innovative, and brings real-world concepts to life. They are designed to provide career specific pathways and prepare students for their future.

Courses are structured in a consistent, research-based format utilizing multiple pedagogical concepts such as Understanding by Design, Growth Mindset, and Video and Project-based learning. Through the use of these pedagogical concepts, the courses maintain a consistent and engaging course structure that supports student-centered learning.

Courses are innovative, packed with engaging content, interactives, videos, graphics, discussion boards, activities, and projects.

The courses include Instruction, Projects, Reflections, Concept Checks, Exams, and Written Assignments. All courses have access to the text-to-speech toolbar.

The certification preparation courses (indicated with a + sign) equip students with the job-specific knowledge and skills needed to prepare for industry certification exams and future careers. Our certification courses are aligned with the direct learning objectives of the certification exams, providing both students and teachers an opportunity for strong efficacy from instruction to the exam.

The courses prep for the following exams:

Adobe Certified Professional in: After Effects, Illustrator, InDesign, Photoshop, Premiere Pro

Autodesk Certified User in AutoCAD

OSHA 30 Hour Construction

FAA Part 107 Remote Pilot Certificate

Child Development Associate (CDA)

Entrepreneurship & Small Business Certificate

Healthcare Management & Information Systems Associate Certificate

Oracle Certified Associate

LEED Green Certified Associate

Microsoft Office Specialist in: Excel Outlook Associate, PowerPoint, Word Associate,

Cisco Certified Network Associate

Autodesk Certified User in AutoCAD

Certified Associate in Project Management

Intuit QuickBooks Certified User Online

Social Media Strategist

Swift Associate

For more information on the courses certified in this catalog please visit https://tinyurl.com/azs4x6b2

P-CTE and Electives

Certification Courses & Pathways

COURSES	PATHWAYS
Adobe After Effects	Adobe Certified Professional in After Effects
Adobe Illustrator Certification Course	Adobe Certified Professional in Illustrator
Adobe InDesign Certification Course	Adobe Certified Professional in InDesign
Adobe Photoshop Certification Course	Adobe Certified Professional in Photoshop
Adobe Premiere Pro Certification Course	Adobe Certified Professional in Premiere Pro
Architectural Design I	Autodesk Certified User in AutoCAD
Architectural Design II	Autodesk Certified User in AutoCAD
Building Maintenance Technology II	OSHA 30 Hour Construction
Drones: Remote Pilot	FAA Part 107 Remote Pilot Certificate
Early Childhood Education I	Child Development Associate (CDA)
Early Childhood Education II	Child Development Associate (CDA)
Entrepreneurship & Small Business	Entrepreneurship and Small Business Certificate
Healthcare Management & Information Systems	Healthcare Management & Information Systems Associate Certificate
Java SE 8 Associate	Oracle Certified Associate
LEED Green Associate	LEED Green Certified Associate
Microsoft Excel	Microsoft Office Specialist: Excel Associate
Microsoft Outlook	Microsoft Office Specialist: Outlook Associate
Microsoft PowerPoint Certification	Microsoft Office Specialist: PowerPoint Associate
Microsoft Word Certification	Microsoft Office Specialist: Word Associate
Networking	Cisco Certified Network Associate
Principles of Architecture	Autodesk Certified User in AutoCAD
Project Management	Certified Associate in Project Management
Quickbooks	Intuit QuickBooks Certified User Online
Social Media Business Marketing	Social Media Strategist
Swift App Development	Swift Associate

Middle Schools | High School

+ Certification Course

Grades 6–12

Career and Financial Management

GRADES 6–12 Elective YEAR

The Career and Financial Management course prepares students to make decisions regarding their life, career, and financial future. Throughout the course, they will investigate a variety of career pathways and determine how to make decisions that will affect their employment opportunities. Students will identify career readiness skills, and how education opens up opportunities for advancement and growth. Through lessons on leadership, communication, and technology, students will better understand the modern workplace. The second half of the course focuses on money management, and includes critical topics such as budgeting, saving, loans and credit, identity protection, investing, insurance, and taxes.

Career Exploration in Dentistry

GRADES 6–12 Elective YEAR

This course introduces students to the exciting and varied career opportunities in the dentistry profession, from dental assistant all the way up through oral surgeon. Students will review the history of dentistry globally and in the U.S., and will learn key dental terminology. The course will introduce the roles and tasks done as well as skills and education required of nearly every member of the dental staff. Students will gain an understanding of what it takes to perform each position, and how they work together.

Career Exploration in Finance

GRADES 6–12 Elective YEAR

This course introduces students to the challenging and lucrative world of finance. While "Wall Street" may still get a bad rap after the 2008 financial crisis, finance careers still remain highly sought after and can be highly rewarding. The course reviews key financial terms and examines various groups, positions, and roles within financial institutions. Students will learn about resumes, interviews, and networking. Students will also discuss ethics on Wall Street and the role of finance within society.

Career Exploration in Healthcare

GRADES 6–12 Elective YEAR

This course introduces students to the exciting and varied career opportunities in the health care industry that will be in demand in their future! The course will introduce the roles and tasks, identify education and skills needed, identify responsibilities of roles which support or supervise their role, analyze legal and ethical responsibilities, limitations, and implications for each of these professions.

Grades 9, 10, 11, 12

Adobe After Effects Certification +

GRADE 9, 10, 11, 12 Elective YEAR

This course introduces students to Adobe After Effects and prepares students to obtain the Adobe Certified Professional Certification for Adobe After Effects. Students will get an insight into what it is like working in the visual and graphic design industry. Over 7 modules, students will learn everything from absolute basics like navigating After Effects to performing complex tasks like applying knowledge of video composition and motion graphic principles. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in After Effects.

Adobe Illustrator Certification +

GRADE 9, 10, 11, 12 Elective YEAR

This course introduces students to Adobe Illustrator and prepares them to obtain the Adobe Certified Professional Certification for Illustrator. Students will get an insight into what it is like working in the graphic design industry. Students will learn everything from absolute basics like navigating Illustrator to performing complex tasks like managing colors, drawing, creating illustrations, and much more. The course contains guided video tutorials, hands-on projects, and step-by-step resources that help students learn how to work in Illustrator.

Adobe InDesign Certification +

GRADE 9, 10, 11, 12 Elective YEAR

This course introduces students to the world of Adobe InDesign and prepares them to obtain the Adobe Certified Professional Certification for InDesign. Students will gain insight into what it is like working in the print and digital media publishing industry. With 10 modules, students will learn everything from absolute basics like navigating InDesign to performing complex tasks like creating multi-page documents, applying effects, and even creating original artwork. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in InDesign.

Grades 9, 10, 11, 12 continued

High School

+ Certification Course

Grades 9, 10, 11, 12 (continued)

Adobe Photoshop Certification +

GRADE 9, 10, 11, 12 Elective YEAR

This course prepares students to demonstrate expertise in Adobe's Photoshop software and prepares them to obtain the Adobe Certified Professional Certification for Photoshop. Students will learn through engaging and interactive content, projects, and practice exam items aligned to the learning objectives outlined by Adobe's exam specifications. Students will leave this course with career-ready, real-time skills in one of the most popular software programs in the world!

Adobe Premiere Pro Certification +

GRADE 9, 10, 11, 12 Elective YEAR

This course introduces students to the world of Adobe Premiere Pro. Students will get an insight into the video design and production industry. Over 7 modules, students will progress from absolute basics like navigation to performing complex tasks like editing videos, applying filters and effects, and even creating original artwork. The course contains guided tutorials, engaging projects, and great resources that will help students practice and learn how to work in Premiere Pro. This course also prepares students for the Adobe Certified Professional (ACP) Certification Exam on Premiere Pro.

Aeronautics & Space Travel

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course introduces students to the history and near future of space travel. Students will explore the possibilities of moon bases, Mars colonies, and visiting the outer planets in our solar system and their moons. Students will also discuss important ethical and legal issues around space exploration, such as asteroid mining and war in space. The course gives an expansive view of the technologies, science, and theories that will make far-fetched dreams into realities during the student's lifetime.

Agriscience I

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course will prepare students for careers in agriscience. Agriculture is the world's largest industry, so the critical nature of understanding how agriculture must thrive in unpredictable conditions cannot be overstated. Throughout the modules, students will gain an understanding of some of the fundamental issues in agriscience, including safety, environmental factors such as climate change and extreme weather conditions, plant and animal science, and food safety. Additionally, students will explore how they can emerge as leaders in such a complex and exciting industry!

Agriscience II

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

In this course, students will explore the various components of agriscience careers and agricultural living. Beginning with career exploration, students will become familiar with the vast array of opportunities that exist in agriscience. They will discover what is necessary for the proper care and management of livestock from keeping living quarters clean to caring for newborn animals. Students will understand the ways in which plants, crops, and vegetation thrive in varying conditions. They will explore the fundamentals of running a successful agriscience operation as well as how agriscience affects and is affected by global economic conditions.

Agriscience III

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course further delves into agriscience as a core global business. Students will explore fundamental business operations and structures as well as financial considerations. Students will understand the nutritional needs of livestock in order for them to be free from disease and be able to thrive in good health. Plants are heavily dependent on proper fertilization, irrigation, and nutrition to prosper. Thus, students will take a comprehensive look at the systems necessary to produce bountiful crops. The course will be rounded out learning about the tools and techniques needed to run an agriscience business and harvest crops.

Grades 9, 10, 11, 12 continued

High School

+ Certification Course

Grades 9, 10, 11, 12 (continued)

Architectural Design I +

GRADE 9, 10, 11, 12 Elective YEAR

In this course, students will learn various concepts used in the design and architecture field. They will gain an understanding of basic architectural and civil drawings as well as prepare for the Autodesk® Certified User certification in AutoCAD exam. In addition to learning fundamental architectural drawing concepts like creating site plans, floor plans, and electrical plans, students will learn functions of Computer-Aided Drafting (CAD). CAD functions build on the foundation of architectural drawing, using specialized tools for enhancement, layout, and scale. Students will review the essentials of civil drawings including the interpretation and development of topographical illustrations. To round out the course, students will prepare computer-aided drawings to demonstrate utilizing software to perform activities such as drawing site plans, roof plans, and wall sections. Finally, students will be provided an overview of the requirements, structure, and preparation techniques for the Autodesk® Certified User certification in AutoCAD exam.

Architectural Design II +

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

In Architectural Design II, students will review various concepts used in the design and architecture field. They will learn about additional CAD functions, professional ethics, and legal responsibilities as well as explore career options and complete a comprehensive Architectural Design project.

Architectural Design III

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

The focus of Architectural Design III course is to identify the common sequential processes used in computer-aided drafting (CAD). These processes will provide students with the foundation of creating drawings in CAD software including the use of lines, circles, arcs, text, varied text styles, multi-leaders, dimensions, dimension styles, crosshatching, object property commands, arrays, reference angles, layers, page setup, reusable content, and gradient patterns. Students will also explore concepts of ethics and legal responsibilities. They will identify how policies and procedures are used to develop company culture and professional standards. Students will have the opportunity to investigate career opportunities in the drafting professions. They will learn about the importance of developing a digital portfolio from their academic and professional experience. The course will culminate with a project that utilizes the processes they've learned in their readings.

Augmented & Virtual Reality Applications

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

Separating hype from reality is hard... especially in the fast-growing and evolving space of augmented and virtual reality (AR/VR). Recent advances in technology has allowed AR/VR systems to become extremely sophisticated and realistic. This course introduces students to the technologies that underpin AR/VR systems. Then the course walks through 5 applications of AR/VR and how they will change and impact numerous aspects of our lives and the economy. Students will also learn about and discuss the risks and side effects of these systems, including health, privacy, and ethical implications.

Building Maintenance Technology I

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

The Building Maintenance Technology course will focus on all aspects of the construction industry from health and safety to the tools that every construction professional needs in their collection. Students will learn about the various roles in the industry as well as job outlooks, educational and experiential requirements, and salary information. Some activities will focus on career exploration to discover career options that best align with interests and talents. Students will learn basic construction math and how it is applied during design and building phases of projects. They will learn specifics about carpentry, construction drawings, framing floor systems, framing walls, and framing roofs. Throughout, they will establish a foundation for what opportunities exist for them in the industry.

Building Maintenance Technology 2 +

GRADE 9, 10, 11, 12 Elective YEAR

The Building Maintenance Technology II course will focus on construction components, masonry skills, and OSHA. Students will learn about the various masonry and concrete skills as well as safety measures. Some activities will focus on the real-world application of learned skills with hands-on components. Students will learn about erecting, plumbing, and bracing in relation to concrete as well as laying masonry units. Finally, students will learn important science skills for the construction industry and prepare for OSHA 30-hour Construction certification exam.

Grades 9, 10, 11, 12 continued

High School

+ Certification Course

Grades 9, 10, 11, 12 (continued)

Cloud Technologies & the Internet of Things

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

First, we had the internet of computers. Then with the advent of email and social media, along with mobile technology, it became the internet of people. Today's world is increasingly becoming the internet of things. With advances in battery power, sensors, and computer chips, more and more devices are being connected to the internet. This will allow them to be monitored, controlled, and used more effectively for people and businesses. This course will examine the trends and opportunities surrounding the Internet of Things. Students will learn about the technologies, hardware, and software that underpin the Internet of Things. The course will examine a variety of end-market applications in our homes, businesses and cities. Finally, students will learn about the many career opportunities that the Internet of Things will enable.

Construction Fundamentals & Careers

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course introduces students to the evolving industry of construction! In addition to building on standard concepts such as technical skills, project planning, and regulations, students will learn about the variety of career possibilities within construction. They will also explore the entrepreneurial side of construction and discover what it takes to start and run your own business in this field. Finally, the course will look towards the future and analyze trends in green materials, energy efficiency, and technology to determine how these will impact the homes we build and live in.

Cybersecurity

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

In the Cybersecurity course, students will learn about the practice of protecting networks, systems, and programs from digital attacks. They will better understand the aim of these attacks, such as destroying information, extorting money and resources, or disrupting business operations. They will learn about the challenges and opportunities that implementing cybersecurity measures can present. As attackers become more innovative, it is more important than ever to have effective cybersecurity channels in place to counter them. Students will learn about countermeasures and role recovery and their integral function in the cybersecurity realm. Additionally, students will learn what makes certain networks and systems more vulnerable to attacks. They will become adept at identifying potential viruses, worms, threats, and malware. The Cybersecurity course acts as a foundation on which to build extensive knowledge about threats to digital security.

Drones: Remote Pilot +

GRADE 9, 10, 11, 12 Elective YEAR

This course prepares students to take the Federal Aviation Administration (FAA) Part 107 exam, also know as the Unmanned Aircraft General – Small (UAG) exam, which is essential to becoming a commercial drone pilot. The field of unmanned aerial vehicles is growing rapidly, as the opportunities to use them for search and rescue, photography, recreation, inspection, and many others continue to multiply. Students will learn the critical facts to prepare for the test's topics, which include: regulations, airspace & requirements, weather, loading & performance, and operations. The course will conclude with a look at the most promising careers in the field of drones

Early Childhood Education 1 +

GRADE 9, 10, 11, 12 Elective YEAR

The Early Childhood Education course is designed to provide an overview of the expectations and roles of the early childhood educator. The course provides details about childhood development, health, nutrition, and guidance strategies to help students understand the exciting and unique opportunities that a career in early childhood education can offer. The course is intended to prepare students for challenges they may face, but to emphasize the rewards of being able to influence the life of a young child. The ability to offer support to children as they learn, and grow is a point that is highlighted throughout each lesson.

Early Childhood Education 2 +

GRADE 9, 10, 11, 12 Elective YEAR

The Early Childhood Education II Course is designed to provide an overview of the professional expectations of being an early childhood educator. Throughout the course, students will learn about what it means to be a professional, including the significance of professional development in any educational role. They will review observational methods and the history of education in the United States, with a focus on early childhood and school-age programs. They will spend a significant portion of the course learning about the importance of Developmentally Appropriate Practice (DAP) and how to implement these strategies. Designing physical, social, and temporal environments will also be a major focus of the course, as will developing relationships with families and communities to strengthen their position and knowledge. Additionally, this course will prepare students for the Child Development Associate (CDA) certification exam.

Grades 9, 10, 11, 12 continued

High School

+ Certification Course

Grades 9, 10, 11, 12 (continued)

Education and Teaching Advanced +

GRADE 9, 10, 11, 12 Elective YEAR

This course is designed to prepare future educators for the classroom they will inherit! It starts with a history of education and how blended, adaptive, and personalized learning are coming to the forefront in learning. It then explores new and emerging technologies, along with their current and future impact on education. Throughout the course, students will explore a wide range of career possibilities in the education field and evaluate both the promises and pitfalls of technology in education.

Entrepreneurship & Small Business +

GRADE 9, 10, 11, 12 Elective YEAR

This course prepares students for the Entrepreneurship and Small Business Certification exam. This certification has been designed to test concepts around starting and managing a small business. These topics include entrepreneurship, evaluation of opportunities, preparation to start a business, operation of a business, marketing, and management of finances. Students gain insights and understand real-world applications that will not only allow them to succeed in passing the certification exam, but also in successfully starting, working in, or running a small business.

Fundamentals of Bitcoin & Cryptocurrency

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

Upon completion of this course, students will understand bitcoin, including its history, development, and context within the modern global economy. Students will learn the basic cryptographic principles that underlie bitcoin, and gain confidence by demonstrating strong security principles in storing and transaction bitcoin. Key principles such as mining, wallets, and hashing will be introduced. And finally they will be familiarized with the nascent industry of digital currencies and how they function.

Fundamentals of Blockchain & Cryptography

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

Blockchain seems to be the latest buzzword that the business world is talking about. But what is it? And why should a high school student care? This course will seek to answer those questions. It will strip away the layers of complexity and sophistication to help students understand the key concepts of the blockchain. The course will introduce and discuss areas where blockchain has the greatest potential.

Healthcare Management & Information Systems

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

In this course, students will explore the comprehensive world of healthcare information and management. Throughout the modules, students will learn about the history of the healthcare system as well as the current best practices in the field. They will explore the innovative technologies being developed and applied in patient care and patient privacy. Students will become familiar with the specific terminology utilized within the clinical and information technology systems. Students will investigate the complexities of the business of healthcare including data organization and security considerations Finally, students will identify the ways in which communication and leadership go hand in hand with a thriving career in healthcare information and management systems.

Introduction to Artificial Intelligence

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course teaches what every student should know about Artificial Intelligence. AI is a fast-moving technology with impacts and implications for both our individual lives and society as a whole. In this course, students will get a basic introduction to the building blocks and components of artificial intelligence, learning about concepts like algorithms, machine learning, and neural networks. Students will also explore how AI is already being used, and evaluate problem areas of AI, such as bias. The course also contains a balanced look at AI's impact on existing jobs, as well as its potential to create new and exciting career fields in the future. Students will leave the course with a solid understanding of what AI is, how it works, areas of caution, and what they can do with the technology.

Java SE 8 Associate +

GRADE 9, 10, 11, 12 Elective YEAR

The Java SE 8 course is designed to provide preparation for the Oracle Certified Associate (OCA) exam. Throughout the course, students will learn about Java from the basics to string builder methods. They will spend a significant portion of the course learning about the basics of Java, data types, operators, arrays, loop constructs, encapsulation, inheritance, exceptions, and API.

Grades 9, 10, 11, 12 continued

High School

+ Certification Course

Grades 9, 10, 11, 12 (continued)

LEED Green Associate +

GRADE 9, 10, 11, 12 Elective YEAR

This course introduces students to the LEED process. LEED, or Leadership in Energy and Environmental Design, is the global standard for green building certification. Throughout the course, students will gain an understanding of the various components of green building. The theme of sustainability and sustainable construction is woven throughout each module both in terms of physical environment and as it pertains to LEED certification. Additionally, this course prepares student for the LEED Green Certified Associate certification exam.

Microsoft Excel +

GRADE 9, 10, 11, 12 Elective YEAR

This course introduces students to the world of Microsoft Excel. Students will get an insight into the use of the product within the business setting. Over 8 modules, students will learn everything from absolute basics like navigating Microsoft Excel to performing complex tasks like formulas and functions. This course prepares students for the Microsoft Office Associate: Microsoft Excel Certification.

Microsoft Outlook +

GRADE 9, 10, 11, 12 Elective YEAR

In this course, students will navigate Microsoft Outlook, which is the preferred email client for sending and receiving emails from the Microsoft Exchange Server. Outlook includes access to contact, email, calendar, and task management tools. Microsoft Outlook is a component of Office 365 and the Microsoft Office suite, including Microsoft Excel and PowerPoint. From fundamental processes like adding an account to more complex tasks such as customizing features to better accommodate specific needs, students will explore all that Microsoft Outlook can do.

Microsoft PowerPoint +

GRADE 9, 10, 11, 12 Elective YEAR

This course introduces students to Microsoft PowerPoint. Students will gain critical skills in this essential presentation software, which will benefit them in their education and professional futures! Students start by learning fundamentals like slide creation and navigation, and progress to more complex tasks like 3DModels, Animations, and Transitions. This course prepares students for the Microsoft Office Associate Microsoft PowerPoint Certification.

Microsoft Word +

GRADE 9, 10, 11, 12 Elective YEAR

This course introduces students to Microsoft Word. Students will gain insights into the features and capabilities of this essential software within personal, educational, and business settings. Over 11 modules, students progress from absolute basics like navigation to performing complex tasks like graphic elements and collaboration. This course prepares students for the Microsoft Office Associate Microsoft Word Certification.

Networking +

GRADE 9, 10, 11, 12 Elective YEAR

The Networking course identifies the key principles of Networking in today's connected world. From network fundamentals and componentry to automation and programming, students learn the details of network access, connectivity, and security essentials. Through engaging interactivities, simulations, and projects, students will explore these networking concepts to further their career potential in this field. This course also prepares students for the Cisco Certified Network Associate (CCNA) certification exam.

Personal Finance

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

The Personal Finance course is intended to prepare students to be successful financial citizens. They will learn their role and responsibilities as a responsible financial planner and saver as well as learn about the services, functions, and products of the financial industry. In addition, they will make informed buying decisions and understand personal taxation, wills, insurance, and contracts. Finally, they will learn about saving and investing as well as consumer credit and loans.

Grades 9, 10, 11, 12 continued

High School

+ Certification Course

Grades 9, 10, 11, 12 (continued)

Project Management +

GRADE 9, 10, 11, 12 Elective YEAR

The Project Management course is intended to identify the key components of a career as a project manager. Students will review the basics in project management terminology, such as designating distinctions among projects, products, programs, and portfolios. They will delve into concepts like managing deliverables and creating engaging relationships with stakeholders. The primary components of project planning will be laid out and described in detail. Students will explore teams and organizational structures. They will discover project management tools and innovation being used in the industry. Overall, they will develop a greater understanding of the mechanisms that are in place to effectively carry out projects of any size through specific project management techniques.

QuickBooks +

GRADE 9, 10, 11, 12 Elective YEAR

In this course, students will explore how to start using QuickBooks Online. Learning this widely used accounting software will allow users to contribute to a large company's accounting team, or to use it independently as a small business owner. Students will learn how to complete administrative and accounting functions within QuickBooks. These include basics such as setting up lists, customers and products, to more complex tasks like managing journal entries and creating reports. Additionally, they will learn about the various services and products that can be added. As students learn about the accounting functions, they will discover how to record transactions, expenses, and receipts.

Robotics: Applications & Careers

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

It seems like many elementary to high school robotics courses are focused on coding a simple robot to move its mechanical arm up and down. This course, in contrast, teaches students what a robot is and how it relates to other key technologies such as artificial intelligence and machine learning. Then the course examines 10 applications of robots and how they will change and impact various aspects of our lives and the economy. Will robots simply steal our jobs, or will they be a tool that will create new opportunities and even free humans to use our creativity and curiosity to their full potential? Students will grapple with this and many other questions as they explore this vital, future-focused subject.

Smart Cities: Technology & Applications

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course will provide students with an overview of smart cities. The course will begin by providing a foundational explanation of what constitutes a smart city and why they are beginning to pop up around the globe. With a firm understanding of what a smart city is, the majority of the course will focus on various aspects of them such as energy, transportation, data, infrastructure, mobility, and Internet of Things devices. The course will conclude with an analysis of careers related to smart cities.

Social Media Business Marketing +

GRADE 9, 10, 11, 12 Elective YEAR

Whether it's posting pictures, videos, or interacting in the metaverse, today's students who aspire to apply their social media skills to business marketing must be prepared! This course on Social Media Business Marketing provides them with the foundational knowledge of social media technology and marketing principles. The course begins with an introduction to Social Media platforms and then goes in-depth into the marketing and advertising strategies used to support a company's social media strategy and campaigns. Through activities and projects, students will gain firsthand knowledge of this exciting field. This course also prepares students for the Social Media Strategist certification.

Startups and Innovation

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

Students hear a lot of contradictory advice in life. On one hand, they may hear something like "Follow your dreams. Pursue your passion and the money will come!" On the other hand, they may hear something completely opposite, like "Most startups fail! It's much safer to get a safe, steady job." So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup.

Grades 9, 10, 11, 12 continued

High School

+ Certification Course

Grades 9, 10, 11, 12 (continued)

Swift App Development +

GRADE 9, 10, 11, 12 Elective YEAR

In this course, students will learn about Swift App development and its components. Apple developed the powerful and user-friendly programming language Swift for creating iOS, Mac, Apple TV, and Apple Watch apps. Developers have more freedom than ever before, and the open-source app allows anyone with an idea to create something incredible. From planning to navigation to building, students will learn how to take an idea and create something potentially evolutionary!

Teaching as a Profession

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

Teaching can be a highly rewarding profession. Throughout the course, students will explore career opportunities within the field of education. They will learn what it means to be a professional in the classroom, whether it be working alongside co-teachers or managing an inclusive and diverse group of students. Students will learn about the code of conduct expected of educational professionals. Students will explore the history and best practices in the teaching profession as well as professional development opportunities. They will discover what it means to emerge as leaders in the field.

The History of Gaming and Esports

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

In this course, students will learn about the technologies and design principles that have been the foundation of the development of video game technology over the last 50 years. Students will examine and discuss the impact of video games on culture and the economy. Students will learn about the current gaming and e-sports landscape, including strategies and techniques of top teams and individuals. This course will also discuss the risks and dangers of video games and understand how to set appropriate time and content parameters. Finally, the course will identify career paths and opportunities for those who are passionate about gaming.

Transportation Technologies

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course introduces students to the newest and most cutting edge futuristic transportation technologies out there. Students gain familiarity with the history of transportation development and understand a framework with which to evaluate new transportation modes. Then the course dives into 10 different technologies on the horizon. Students examine the technologies, the pros and cons of each mode, and explore potential career paths in these emerging fields.

Wearable Technology Innovations

GRADE 9, 10, 11, 12 Elective S1 | S2 | YEAR

From hearing aids to pedometers to smart watches, humans have made and worn devices to overcome physical deficiencies, count their steps, and communicate. With the continue miniaturization of chips and sensors, combined with increasing sophistication of artificial intelligence, wearable technology has proliferated into countless end-markets. This course will introduce students to wearable technologies and the components and software that make these technologies possible. The course will also evaluate several applications of wearable technologies in various industries. Finally, the course will examine and discuss the implications of wearable technology, including its pros and cons, and potential implications to our health, privacy, and society.

C-Computer Science
Catalog

The **C-Computer Science** curriculum catalog offers online computer programming and digital literacy courses for middle school and high school students. Partnering with educators and drawing on real-world experience was central in designing these courses in order to prepare students for the computing jobs of the future.

This curriculum catalog allows schools to offer Java, Python, C#, HTML/CSS, Unity Game Programming, and digital literacy courses to all students. Includes the option to access to the text-to-speech toolbar in course assessments.

Courses include video and text lessons, auto-scored quizzes and tests, teacher guides, activity solutions, and more. Teachers will receive fast, technical assistance from subject matter experts including a dedicated support rep for 1:1 mentoring.

Curriculum is aligned to multiple state CTE / IT standards and supports the national K-12 Computer Science Framework and the CSTA K-12 Computer Science Standards.

C-Computer Science

High School

*** Additional Fees May Apply**

Grades 9, 10, 11, 12

C# Programming *

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

The C# Programming course teaches core programming concepts using the C# language. It is aligned to "Computer Science I" and similar standards in many states.

Digital Savvy *

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Our Digital Savvy course will teach students about computers and the applications that run on them. Students will learn to use Office-style applications, explore social media, create their own simple web pages and build computer programs with digital logic.

Java Programming (AP CS Preparation) *

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

The Java Programming course teaches students all Java skills required on the "AP Computer Science A" exam. While it can be taken standalone with no pre-requisites, this is one of our most advanced courses, and some degree of technical comfort is recommended.

Python Programming *

GRADES 9, 10, 11, 12 Elective SEM

The Python Programming course teaches core programming concepts using the Python language. This one-semester course requires no software installation and is a perfect introduction to coding for a wide age range

Unity Game Programming *

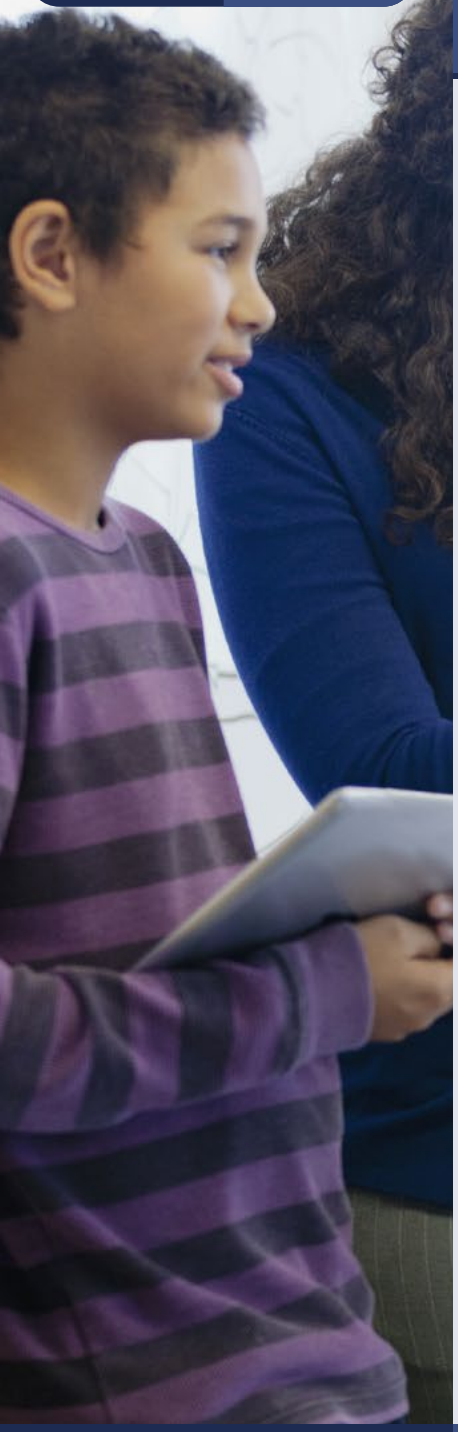
GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Our Unity Game Programming course will immerse students in the Unity game framework, teaching the C# scripting skills and design concepts needed to create their own video games.

Web Design *

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Web Design course teaches students to create their own web pages using HTML5, CSS3, and JavaScript.



F-Blended
Catalog

The **F-Blended** curriculum is recommended mostly for blended-learning environments because of the printable assignment component. This curriculum choice is best for teachers who are teaching the course online and/or through direct instruction and who are knowledgeable in the subject matter to grade the offline assignments.

The F-Blended courses follow a consistent instructional design with the content divided into concept lesson folders each containing a readable lesson, an assignment, and a lesson quiz. The readable lesson may contain some of the following: lesson objectives, informative videos, concept examples, questions to consider, maps, charts or image examples, and links to additional information. The blended-learning assignment is printable and can be completed offline. The lesson quiz assesses the student's knowledge of the lesson objectives.

These semester courses contain a midterm at the end of any A course and a final exam at the end of any B course.

The lesson quizzes are computer graded. The blended-learning assignments are teacher-graded and contain a submission box where students can type their responses or draw, insert images, create and insert video clips, insert charts, and/or attach the downloaded and completed assignment as a file.

Hidden Items (if applicable)
Assignment Answer Keys if present

Default Weights*

Assignments 35%
Quizzes 50%
Final Exam 15%

*Weights can easily be adjusted to teacher's preference

High School

*Additional Fees May Apply

Grades 9, 10, 11, 12

Anthropology

GRADES 9, 10, 11, 12 Elective SEM

This course examines family and kinship, religion, economics, politics, survival of indigenous groups, and Western influences from an anthropological perspective to gain appreciation for cultural and ethnic diversity. Students gain an understanding of the differences and similarities, both biological and cultural, in human populations and recognize the characteristics that define their own culture while gaining an appreciation for the culture of others.

Art History

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

This course enables students to develop knowledge of the history and theory of art and the relationship between artist, artwork, and society. Students research and critique periods, styles, and works of art from early civilizations through the Middle Ages. Emphasis is placed on the role of works of art based on subject matter, theme, concept, symbolism, or allegory/metaphor.

Business Communications

GRADES 9, 10, 11, 12 Elective SEM

This course teaches students the kind of writing and speaking used in business, from the routine report to the long formal report. Students learn to prepare a professional resume and how to have a successful in a job interview. Focus is also on the legal aspects of writing official communications that touch on people's civil rights.

Creative Writing

GRADES 9, 10, 11, 12 Elective SEM

This course enables students to develop and use fundamental writing and language skills for creative expression in a variety of literary forms. Emphasis is on development of a personal writing style. Students learn to analyze literary models and engage in peer review techniques.

Digital Arts

GRADES 9, 10, 11, 12 Elective SEM

This course provides computer science students with an introduction to visualization graphics programming on personal computers. The course focuses on using a digital camera and practical application of digital imaging programs. Students learn how to place images in photos and how to mock up drawings of three-dimensional spaces.

Essentials of Business

GRADES 9, 10, 11, 12 Elective SEM

This course is an introduction to the goals, processes, and operations of business enterprises for students. The main focus is on the functions that a company–whether a multinational corporation or a corner grocery store–must manage effectively in order to be successful. These include accounting, finance, human resource management, marketing, operations management, and strategic planning. Attention is also given to the legal environment in which businesses operate, and the importance of business ethics and corporate citizenship.

Ethics

GRADES 9, 10, 11, 12 Elective SEM

This course helps students develop the ability to make reasoned and ethical choices when confronted with the many complex, controversial moral dilemmas faced in today's society. Students become acquainted with the foundations of ethical thought and theories and gain an insight into the process of moral development. Students also identify typical fallacies in flawed moral arguments, and are given the opportunity, both orally and in writing, to apply the skills they acquire to real life moral dilemmas.

Life Management

GRADES 9, 10, 11, 12 Elective SEM

The course concentrates on the principles of being healthy and focuses on physical development, mental and emotional stress, relationships, substance awareness, social disease awareness, and personal safety. Students develop critical life management skills necessary to make sound decisions and take positive actions for healthy and effective living.

Media Studies

GRADES 9, 10, 11, 12 Elective SEM

This course teaches students to analyze forms of media for the purpose of understanding the tools of manipulation, power of the media, the internet and related issues, and critical thinking. The course empowers students to defend themselves against the power of the media and helps them to understand how to utilize the media for the benefit of humanity. Reading, writing, speaking, listening, and viewing competencies are integrated throughout students' learning experiences.

Grades 9, 10, 11, 12 continued

High School

*Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Music Appreciation

GRADES 9, 10, 11, 12 Elective SEM

Music Appreciation introduces the student to the history, theory, and genres of music, from the early music forms through the classical through contemporary. The course explores the interface of music and social movements and examines how the emergent global society and the Internet bring musical forms together in new ways from all around the world.

Personal Fitness

GRADES 9, 10, 11, 12 Elective SEM

This course concentrates on the principles of being fit and includes subjects such as evaluating fitness, flexibility, anatomy and physiology of body systems as they relate to being fit (oxygen transport, heart health, muscle fibers, etc.), nutrition, hydration, and designing a personal fitness program. Students acquire knowledge of physical fitness concepts, understand the influence of lifestyle on health and fitness, and begin to develop an optimal level of fitness.

Physical Education

GRADES 9, 10, 11, 12 Elective SEM

The course concentrates on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Students have the ability to perform each sport on their own time while keeping a log of their activity, thus incorporating activity into their lives and gaining lifelong healthy fitness habits.

Psychology

GRADES 9, 10, 11, 12 Elective S1 | S2 | YEAR

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction, and the progressive development of individuals. The course examines the nature of psychology as a social and behavioral science. It surveys fundamental areas including research in psychology, the brain and behavior, learning, human development and socialization, intelligence, personality, health psychology, and social psychology.

Research

GRADES 9, 10, 11, 12 Elective SEM

This multidisciplinary course enables students to develop fundamental knowledge of the steps in the research process. Students gain the ability to choose among research topics as they relate to various fields such as science, history, and literature. The course promotes research skills and students learn to evaluate research claims made in the media, literature and other sources.

English 1

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

The purpose of this course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. Students will use reading strategies to construct meaning from informative, technical, and literary texts; acquire an extensive vocabulary through reading, discussion, listening, and systematic word study; use process writing strategies, student inquiry, and self-monitoring techniques; and use speaking, listening, and viewing strategies in formal presentations and informal discussions.

English 2

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

The purpose of this course is to enable students to develop knowledge of world literature through integrated educational experiences in the language arts strands. Emphasis will be on representative literature of various cultures and world literary movements from ancient times to fiction, nonfiction, poetry, and drama chosen on the basis of relationships to contemporary cultural, social, and literary ideas and concerns the present, including

English 3

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

The purpose of this course is to enable students to develop knowledge of American literature through integrated educational experiences in the language arts strands. Emphasis will be on representative American literature, with its varied cultural influences, from the Colonial Period to the present, highlighting the major genres, themes, subjects, and historical influences associated with each literary period.

Grades 9, 10, 11, 12 continued

High School

Grades 9, 10, 11, 12 (continued)

English 4

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

The purpose of this course is to enable students to develop knowledge of British literature through integrated educational experiences in the language arts strands. Emphasis will be on representative works of Great Britain from the Anglo-Saxon Period to the present, highlighting the major genres, themes, subjects, and historical influences associated with each literary period.

Honors English 1

GRADES 9, 10, 11, 12 Language Arts S1 | S2 | YEAR

The purpose of this course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. Students will use reading strategies to construct meaning from informative, technical, and literary texts; acquire an extensive vocabulary through reading, discussion, listening, and systematic word study; use process writing strategies, student inquiry, and self-monitoring techniques; and use speaking, listening, and viewing strategies in formal presentations and informal discussions.

Algebra 1

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real-world and mathematical problems. Upon successful completion of this course a student will understand operations with real numbers, linear equations and inequalities, relations & functions, pairs of linear equations & inequalities, polynomials, algebraic fractions, and exponents and radicals.

Algebra 2

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The purpose of this course is to continue the study of algebra and to provide the foundation for applying algebraic skills to other mathematical and scientific fields. Upon successful completion of this course a student will understand relations & functions, absolute value, quadratic functions, conic sections, polynomials, algebraic fractions, logarithmic & exponential functions, sequences & series, counting principles & probability.

Financial Literacy

GRADES 9, 10, 11, 12 Mathematics SEM

This course provides students with the essential understanding about managing their money. The focus is on sources of personal income, saving, and spending patterns. Students learn such things as how to budget, how to make large purchases, how to invest, and how to minimize taxes.

Geometry

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The purpose of this course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real world and mathematical problems. Upon successful completion of this course, a student will understand lines, triangles, quadrilaterals, polygons, circles, and other geometrical concepts such as congruence, similarity, area, and volume. Deductive reasoning and the role of proof in mathematics are strongly emphasized in this course.

Honors Algebra 1

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real-world and mathematical problems. Upon successful completion of this course a student will understand operations with real numbers, linear equations and inequalities, relations & functions, pairs of linear equations & inequalities, polynomials, algebraic fractions, and exponents and radicals.

Honors Algebra 2

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The purpose of this course is to continue the study of algebra and to provide the foundation for applying algebraic skills to other mathematical and scientific fields. Upon successful completion of this course a student will understand relations & functions, absolute value, quadratic functions, conic sections, polynomials, algebraic fractions, logarithmic & exponential functions, sequences & series, counting principles & probability.

Pre-Calculus

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course enables students to develop concepts and skills in advanced algebra, analytic geometry, and trigonometry. The course covers the traditional topics needed as a preparation for calculus and other higher math classes. Students learn polynomial and rational functions, logarithmic and exponential functions, right triangle trig, the trigonometric functions, trig equations, and trig identities, polar coordinates and complex numbers, sequences and series, and data analysis.

Grades 9, 10, 11, 12 continued

High School

Grades 9, 10, 11, 12 (continued)

Biology

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

The purpose of this course is to provide exploratory experiences and laboratory and real-life applications in the biological sciences. Students will study the nature of science, including matter, energy, and chemical processes of life. They will understand life from the structure of cells to the structure of larger plants and animals. They will also study the behavior of organisms and the interdependence of organisms, humans, and life.

Chemistry

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

The course will cover the classification, structure, and changes of matter, atomic theory, and the periodic table. Students will also learn about bonding, chemical formulas, chemical reactions, and balanced equations. From stoichiometry to acids and bases to the dynamics of energy, this course includes everything necessary to study the composition, properties, and changes associated with matter and their applications.

Environmental Science

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

This course enables students to develop knowledge of the ways that humans interact with the natural environment. The focus is on implementation of scientific habits of mind; application of scientific knowledge, methodology, and historical context to solve problems; earth dynamics; the influence of technology on environmental quality; environmental quality issues; and conservation and biodiversity.

Honors Biology

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

The purpose of this course is to provide exploratory experiences and laboratory and real-life applications in the biological sciences. Students will study the nature of science, including matter, energy, and chemical processes of life. They will understand life from the structure of cells to the structure of larger plants and animals. They will also study the behavior of organisms and the interdependence of organisms, humans, and life.

Honors Chemistry

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

The course will cover the classification, structure, and changes of matter, atomic theory, and the periodic table. Students will also learn about bonding, chemical formulas, chemical reactions, and balanced equations. From stoichiometry to acids and bases to the dynamics of energy, this course includes everything necessary to study the composition, properties, and changes associated with matter and their applications.

Physics

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

The purpose of this course is to provide opportunities to study the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications through exploratory investigations and activities.

American Government

GRADES 9, 10, 11, 12 Social Studies SEM

The purpose of this course is to enable students to gain an understanding of American government and political behavior that is essential for effective citizenship and active involvement in a democratic American society. Students will learn about the interrelationship between American government and the American economic system.

American History

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

The purpose of this course is to enable students to understand the development of the United States within the context of history with a major focus on the post-Reconstruction period. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.

Grades 9, 10, 11, 12 continued

High School

*Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Economics

GRADES 9, 10, 11, 12 Social Studies SEM

This course provides students with the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its wants. Students gain understanding of choices they must make as producers, consumers, investors, and taxpayers.

Geography

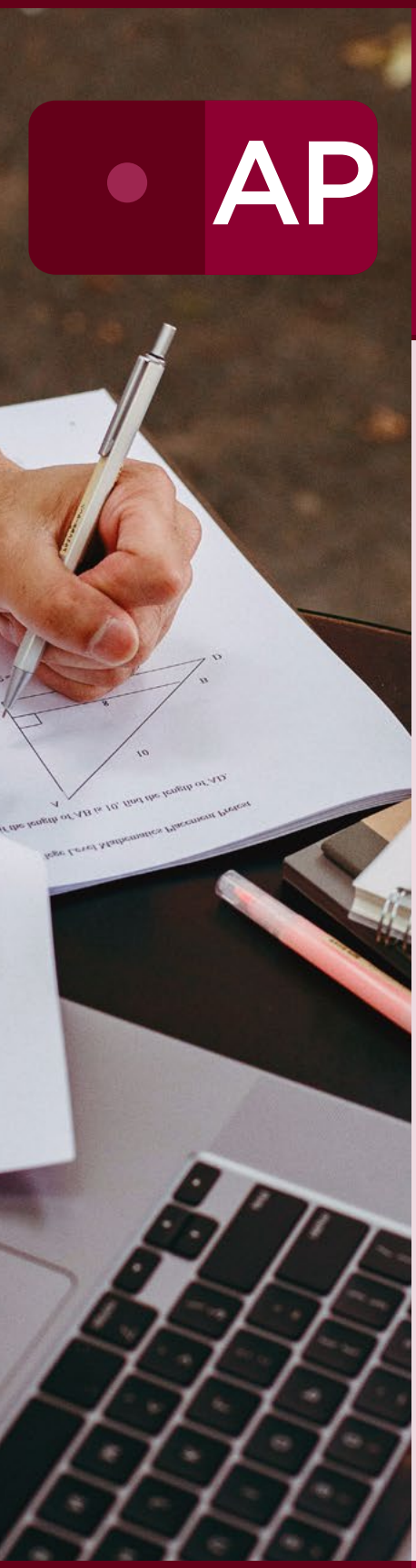
GRADES 9, 10, 11, 12 Social Studies SEM

This course focuses on the processes and patterns in the environment that shape human interaction with the environment, with particular reference to the causes and consequences of the spatial distribution of human activity on the Earth's surface. Students develop multicultural understanding and use geographical concepts and skills to acquire information and systematically apply decision-making processes to real-life situations. They acquire an understanding of interrelationships between people and their environment..

World History

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This course enables students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.



AP Courses
Catalog

The **AP Courses** curriculum catalog offers courses approved by the College Board, which is in charge of AP courses. All courses include instructor graded assignments and some courses required an associated textbook. Includes the option to access to the text-to-speech toolbar in course assessments.

As a standard annual practice, a course audit form is submitted to either renew existing AP course offerings or to request approval for a new AP course. This allows for these courses to be added to all school's official transcripts as an approved online AP course by the College Board.

Course Duration

The speed with which a student moves through the material is entirely dependent upon the student's ability to feel as if he or she has mastered the content. Generally, a student needs at least eight weeks or more to successfully complete a course wherein he or she devotes a least 60 hours of work to the course.

Default Weights*

Reading assignments	40%	Unit essays	20%
Quizzes	20%	Final exam	20%

*Weights can easily be adjusted to teacher's preference

AP Courses

High School

*** Additional Fees May Apply**

Grades 9, 10, 11, 12

ACT-051: ACT Preparation*

GRADES 9, 10, 11, 12 Electives FLEX

This ACT Prep course is a comprehensive study of the ACT test's English, Math, and Science subject matter including test-taking strategies that will maximize your success and potential to score higher on the real ACT test. This course includes quizzes in each unit and written assignments. There are also several opportunities to check your knowledge and understanding in ungraded self-checks. After successfully completing this course, you will be familiar with the current ACT test content, be able to demonstrate successful test-taking strategies and apply those strategies on test day!

APBIO-059: AP Biology *

GRADES 9, 10, 11, 12 Science S1 | S2 | YEAR

Explore the fabric of life with AP Biology. Earn college credit as you learn the ins and outs of cellular function within the human body. This is the first course in a two-part series (APBIO 059 and APBIO 060) that prepares students to take the AP Biology exam.

APCALC-061: AP Calculus AB *

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

The AP Calculus AB series, which is the equivalent of a college-level Calculus 1 course, covers limits and differentiation and is taught by an AP-certified instructor. This is the first course in a two-part series (APCALC 061 and APCALC 063); students who successfully complete both halves of this series will be ready for the AP Calculus AB exam.

APCALC-065: AP Calculus BC *

GRADES 9, 10, 11, 12 Mathematics S1 | S2 | YEAR

This course extends what students learned about limits, derivatives, and integrals to topics like series, Taylor polynomials, and parametric functions. In addition to providing students with a head start in college mathematics, AP Calculus BC opens doors of opportunity in engineering, physics, astronomy, economics, cryptography, and many other careers. This series is equivalent to a college-level Calculus 2 course. This course is the first in a two-part series (APCALC 065 and APCALC 067) and is taught by an AP-certified instructor.

APGOV-061: AP U.S. Government *

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This Advanced Placement course will introduce you to the workings of American government and politics. Major topics include the five areas listed by the College Board: Constitutional Democracy, Civil Liberties/Civil Rights, American Political Culture and Beliefs, Political Participation, and Interaction among Branches. These areas are divided into a total of ten units. This course will prepare you for the AP U.S. Government and Politics exam by helping you practice skills associated with the exam such as writing evidence-based essays and answering questions on causes and consequences of political events. Analysis of landmark Supreme Court decisions and foundational documents (AP-required primary sources) will be emphasized.

APHIST-061: AP U.S. History *

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This Advanced Placement course explores the history of the United States from 1491 to 1877. Topics include European explorations and migrations, the American colonies, the American Revolution and creation of the U.S. Constitution, the Jeffersonian and Jacksonian eras and antebellum culture and reforms, the Civil War and Reconstruction, and the conquest of the Far West. This course will also prepare you for the AP United States History exam by helping you practice skills associated with the exam, such as writing essays and answering questions on core topics. This course is the first of a two-part series on AP U.S. History.

APHUMGEOG-061: AP Human Geography PART 1 *

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

Explore the lands and cultures of the world with AP Human Geography. Earn college credit as you learn about the incredible diversity of geographic regions and peoples on our planet. This is the first course in a two-part series (APHUMGEOG 061 and APHUMGEOG 063) that prepares students to take the AP Human Geography exam.

APHUMGEOG-063: AP Human Geography PART 2 *

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

Explore the lands and cultures of the world with AP Human Geography. Earn college credit as you learn about the incredible diversity of geographic regions and peoples on our planet. This is the second course in a two-part series (APHUMGEOG 061 and APHUMGEOG 063) that prepares students to take the AP Human Geography exam.

Grades 9, 10, 11, 12 continued

AP Courses

High School

*** Additional Fees May Apply**

Grades 9, 10, 11, 12

APHIST-063: AP World History: Modern

GRADES 9, 10, 11, 12 Social Studies S1 | S2 | YEAR

This Advanced Placement course will help you explore world history from 1200 to 1750. Topics include East Asian development, the Middle East, the Muslim world, South Asia, India and other parts of Southeast Asia, the Americas, Africa, Europe, the Silk Roads, the Mongols, early global trade, empires, the evolution of European societies, and transoceanic interconnections. Students will also develop skills for writing essays and answering questions in preparation for the AP exam. This course is the first in a two-part series on world history. The second part, APHIST 064, covers events from 1750 to the present.

APPSY-059: AP Psychology *

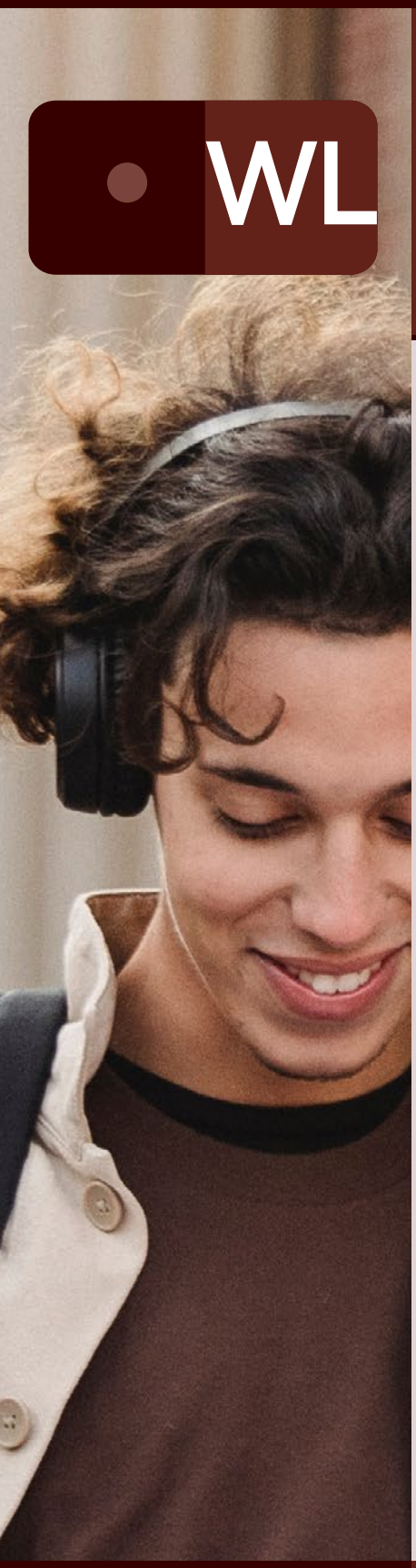
GRADES 9, 10, 11, 12 Electives S1 | S2 | YEAR

This rigorous course discusses in-depth information about personal and others' behavior and will prepare students to pass the AP Psychology exam for college credit. It is recommended that students take both courses of the series before taking the exam. It is also recommended that students take an introductory psychology course before enrolling in this series. This is the first course in a two-part Advanced Placement Psychology series (APPSY 059 and APPSY 060).

APSPAN-071: AP Spanish *

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Master español con AP Spanish! This course will focus on six themes: los desafíos mundiales, la ciencia y la tecnología, la vida contemporánea, las identidades personales y públicas, las familias y las comunidades, and la belleza y la estética. Improve your speaking, reading, and writing skills as you prepare for the AP Spanish exam.



WL

World Languages
Catalog

World language study should be an integral part of an academic program for most students. The theoretical understanding of and practical experience of knowing more than one language prepares a student for a variety of intellectual disciplines that address the complex problems of contemporary society. World language courses offered by SchoolsPLP are designed to develop students' understanding of a second culture through the language.

Four of our World Language courses offer students the opportunity to study Spanish, French, German, and Mandarin. Students enrolled in these language courses will practice the communication skills of listening, speaking, reading, and writing to develop real-world conversational and narrative skills. Students also have the opportunity to learn vocabulary and comprehension in American Sign Language (ASL). In all of these courses, students will develop interpersonal skills that foster successful interactions in a culturally diverse and linguistically rich world.

High School

★ NCAA

Grades 9, 10, 11, 12

American Sign Language 1A: Introduction E EC

GRADES 9, 10, 11, 12 World Language SEM

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? Learn introductory vocabulary and simple sentences so that you can start communicating right away. Importantly, explore Deaf culture – social beliefs, traditions, history, values, and communities influenced by deafness.

American Sign Language 1B: Learn to Sign E EC

GRADES 9, 10, 11, 12 World Language SEM

The predominant sign language of Deaf communities in the United States, American Sign Language, is complex and robust. Discover more of this language and its grammatical structures through expanding your vocabulary with acquiring hundreds of new signs. Additionally, explore interesting topics like Deaf education and Deaf arts and culture, and learn about careers where you can use your ASL skills.

American Sign Language 2A: Communicating E EC

GRADES 9, 10, 11, 12 World Language SEM

It's time to move beyond introductory ASL signs and start forming more compelling signs for communication. Explore how expressions can enhance signs and lend dimension to conversations, while learning vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.

American Sign Language 2B: Advancing Communication Skills E EC

GRADES 9, 10, 11, 12 World Language SEM

Ready to dive deeper into learning about the Deaf community, culture, and language? Learn about sequencing, transitions, role-shifts, and future tenses. Discover how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristics of this course.

American Sign Language 3A: Community and Culture E EC

GRADES 9, 10, 11, 12 World Language SEM

As you dive into more advanced ASL signing, including unique grammar features and advanced classifiers and locatives, you'll learn, compose, and present your new-found vocabulary and narratives by immersing yourself in Deaf culture and community. From opinions, slang, and idioms, to using technology and media that offers authentic Deaf perspectives. Explore how travel, cultural differences, and geography affect sign language. And gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and literature.

American Sign Language 3B: Conversations and Culture E EC

GRADES 9, 10, 11, 12 World Language SEM

Are you ready to discover ways in which Deaf culture influences the world in general? After all, the concept of culture goes far beyond an understanding of Deaf history. Through discussing Deaf culture and experiences, you'll advance your signing skills by developing verb tenses, grammar, and syntax. Apply your language skills in real conversation activities and through opportunities to debate real issues. It's also time to explore the next steps in education and career opportunities for your new intermediate ASL skills.

French 1 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

French I is an introductory course designed for students who have little or no previous knowledge of the French language and culture. This course will allow students to acquire the tools necessary for communication and comprehension of the French language. Students explore the global francophone community, and they compare these different cultures to each other and to their own. This course primes students' fluency through various types of communications.

Grades 9, 10, 11, 12 continued

High School

★ NCAA

Grades 9, 10, 11, 12 (continued)

French 2 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

In French II, students have the opportunity to review some of the structures from French I, but they also build their knowledge of the basic and intermediate French concepts. Students review the present tense of regular and irregular verbs, the passé composé with avoir and être, and adjective agreement and placement. Students examine grammatical forms and are challenged to progress in their basic knowledge and speaking capabilities.

French 3 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

In French III, students continue their study of the French language and francophone cultures. In this course, learners strengthen their communication skills through listening, reading, speaking, and writing in French. They broaden their vocabulary, grammar, communication skills, and cultural competency through exploring a variety of media including literary and journalistic texts, audio, audiovisual, and interactive resources.

German 1 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

In German I, students are introduced to the basic and fundamental skills necessary for expressing common ideas in the German language. They learn to state daily activities and how to have an introductory conversation. These concepts build in theme and scope, allowing students to explore topics including daily activities, travel, needs, desires, and preferences in typical and increasingly complex situations. The course provides a realistic context in which students can practice their newly acquired skills. German I also provides a considerably thorough study of grammatical skills, ranging from the most basic sentences to engaging and creative structures dealing with more interesting situations.

German 2 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

German II provides students with a comprehensive introduction to nouns and verbs and previously learned concepts. Students examine the case systems extensively, and focus on verbs throughout this course. They learn different types of verbs and their conjugations in different grammatical tenses such as present, future, past simple, and present perfect. Students practice one of the most challenging aspects of German grammar — verbs with accusative, dative, and genitive prepositions — thoroughly. Students learn a large number of new vocabulary words and idioms to assist in their continual development of language.

German 3 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

In German III, students continue their study of the German language and popular German culture. Students use larger vocabulary terms and explore a variety of literary texts that include the structures and vocabulary that they are learning. In this course, students study vocabulary, grammar, and culture in context through authentic literary and journalistic texts, putting these items into practice through written and spoken tasks.

Mandarin Chinese 1 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Mandarin Chinese I is an introductory course to Modern Standard Chinese, which includes the spoken language, Mandarin, and the written language of simplified characters. Students recognize and apply vocabulary in Pinyin and Chinese characters in the context of common themes. In addition to learning the language, students get a glimpse of Chinese culture, history, tradition, and society.

Mandarin Chinese 2 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

In Mandarin Chinese II, students develop their communication skills through listening, reading, speaking, and writing in the target language. The course presents modern Standard Chinese, Mandarin, as the spoken language, and simplified characters as the written language. Students recognize and apply vocabulary in Pinyin and Chinese characters in the context of common scenarios. Students will practice handwriting Chinese characters in complete sentences. Students explore Chinese traditions, language, and society.

Introduction to Spanish L S

GRADES 9, 10, 11, 12 World Language SEM

Grades 9, 10, 11, 12 continued

Elementary

★ NCAA * Additional Fees May Apply

Grades 9, 10, 11, 12 (continued)

Spanish 1 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Spanish I provides students with a strong foundation of the Spanish language and its cultural influences. From pronunciation to basic grammar and practical vocabulary, students gain a fundamental understanding of written and conversational Spanish. Students practice pronunciation sounds, greetings and introductions, questions, and present-tense verb conjugation. Students learn how to describe people, school, and pastime activities in addition to likes and dislikes. Spanish I presents information in a fun, interesting format that promotes learning and draws a link between the classroom and real-world situations.

Spanish 1 (SchoolsPLP)

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Spanish 1 provides students with a fun and engaging way to build their foundation of the Spanish language. Students will start with basic vocabulary and work up to verb conjugations, parts of speech, and conversational skills. Lessons are structured to be interactive and provide students with many visual and auditory ways of practicing the language.

Spanish 2 (SchoolsPLP)

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Spanish 2 builds on students' knowledge to help further mastery of the language. Students will explore more complex parts of speech such as feminine and masculine nouns and homophones. This course also expands on verbs and verb tenses, such as infinitive verbs and irregular verbs. In addition, students will learn and practice their conversational and functional Spanish by exploring concepts such as passing of time and descriptions of locations, as well as writing reports and invitations. To tie everything together, students will be immersed in culturally relevant literature and holidays.

CR Spanish 1 (SchoolsPLP)

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Spanish 1 provides students with a fun and engaging way to build their foundation of the Spanish language. Students will start with basic vocabulary and work up to verb conjugations, parts of speech, and conversational skills. Lessons are structured to be interactive and provide students with many visual and auditory ways of practicing the language.

Spanish 2 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Lincoln Empowered Spanish II is the next course in the Spanish sequence, and this course introduces complex grammatical components, such as reflexive verbs and the present progressive, preterite, and imperfect tenses, along with idiomatic expressions unique to the Spanish language. Building on an ever-growing lexicon, students incorporate concepts to form questions, express preferences and possession, discuss the past, and describe and compare people, places, and locations. Spanish II continues to build a foundation for students in their pursuit to learn and master the Spanish language.

Spanish 3 L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

In Spanish III, students will acquire a more extensive topical vocabulary while gaining a higher understanding of complex grammatical structures, verb applications, and idiomatic expressions. Students will increase their reading and listening comprehension as well as their fluency in speaking and writing in Spanish. Students will describe, analyze, summarize, and explain ideas verbally and through writing, using the Spanish language.

Introduction to French L S ★

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Introduction to German L S ★

AP Spanish AP *

GRADES 9, 10, 11, 12 World Language S1 | S2 | YEAR

Master español con AP Spanish! This course will focus on six themes: los desafíos mundiales, la ciencia y la tecnología, la vida contemporánea, las identidades personales y públicas, las familias y las comunidades, and la belleza y la estética. Improve your speaking, reading, and writing skills as you prepare for the AP Spanish exam.

M-Mathspace

Mathspace courses offer personalized learning with adaptive AI support at every step, including online textbook lessons that don't just meet the standards, but bring them to life. This instructional design offers continuous assessment that not only measures growth, but also identifies gaps to adapt instruction. While each course lesson adapts to allow students to earn 100% mastery, the course quizzes, unit tests, and exams are now summative to account for earned letter grades.

The right help at the right time for every student

The process in mathematics is just as important as the final answer. Mathspace's award-winning technology gives students help at the exact moment of misconception, encouraging productive struggle and a growth mindset.

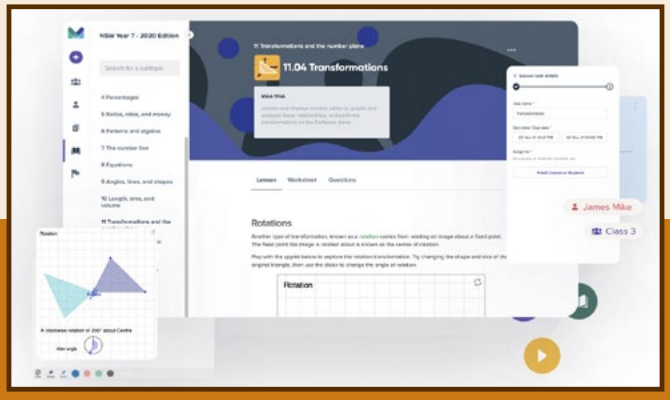
The detailed data and unparalleled insights into each student's learning process helps teachers work smarter, so they can spend more time building relationships and focusing on each student's areas of need to help them achieve their full potential!

Learn fearlessly

Personalized learning with adaptive support at every step encourages students to see mistakes as an opportunity to grow.

Teach comprehensively

Engage learners with interactive lessons. Differentiate instruction with adaptive or custom tasks. Get visibility into usage and student performance with built-in activities and reporting.



mathspace

M-Mathspace

Elementary | Middle School

A–G approved

Grade 3

3rd Mathematics (MS)

GRADE 3 Mathematics

Grade 3 extends students' understanding of numbers, addition, and subtraction and introduces them to multiplication, division, and fractions. Students will learn to apply their knowledge to real world situations by measuring lengths, perimeters, areas, and volumes. They will analyze the structures of numbers, patterns, and relationships that will help them make caluclations efficiently. Topics include number and place value, addition, subtraction, multiplication, division, patterns, fractions, measurement, area and perimeter, time, and data.

Grade 4

4th Mathematics (MS)

GRADE 4 Mathematics

Grade 4 reinforces and builds on concepts students learned in prior grades. Students will perform operations with larger numbers and study fractions, area, perimeter, shapes, and data more in-depth. They will be introduced to decimal numbers and unit conversions, building a strong foundation for concepts they will learn in subsequent grades. Topics include number and place value, addition, subtraction, multiplication, division, patterns, fractions, decimals, measurement, area and perimeter, shapes and angles, and data.

Grade 5

5th Mathematics (MS)

GRADE 5 Mathematics

Students will continue developing computational fluency in operations with integers, unit conversions, and area and volume in this course. Students will gain a deeper understanding of fractions and decimals and learn how to perform operations with each. They will be introduced to the coordinate plane and will practice applying all these skills to real world problems. Topics include number and place value, addition, subtraction, multiplication, division, patterns, decimals, decimal operations, addition and subtraction of fractions, multiplication and division of fractions, measurement, area, volume, geometry, and data.

Grades 6, 7, 8

6th Mathematics (MS)

GRADE 6 Mathematics

Grade 6 formalizes and builds on the concepts students learned in elementary school. Students begin by extending their understanding of integers, fractions, and decimals as a basis for understanding ratios and proportions. They will be introduced to additive and multiplicative properties and formal algebraic concepts. Conceptual understanding, proportional reasoning, and problem-solving skils are emphasized as students connect the math concepts they have learned to real world situatuations. Topics include number sense, rational numbers, ratios and proportions, expressions, equations and inequalities, geometry, and statistics.

7th Mathematics (MS)

GRADE 7 Mathematics

Grade 7 builds on the concepts students studied in lower grades while preparing them for high school math courses. Students will continue to gain computational fluency and conceptual understanding of rational numbers. They will learn to represent real world problems with equations and inequalities and apply problem-solving skills to find the solutions. Students will extend their knowledge of geometry and statistics, learning new concepts such as angles, pi, surface area, data collection methods, and probability. Topics include integers, rational numbers, algebraic expressions, equations and inequalities, ratios and proportions, percents, geometry, probability, and statistics.

8th Mathematics (MS)

GRADE 8 Mathematics

Grade 8 extends students' number sense by introducing them to real numbers. Students will learn the properties of exponents and apply them to numbers written in scientific notation. This course extends students' geometric knowledge by exploring transformations, similarity, and congruence of shapes. Students are introduced to functions and relations and begin working with linear relationships algebraically and graphically. Topics include real numbers, exponents and scientific notation, transformations and congruence, dilations and similarity, linear equations, proportional relationships, and lines, systems of equations, functions and relations, right triangles and volume, and statistics.

High School

A–G approved

Grades 9, 10, 11, 12

Algebra 1 (MS)

GRADES 9, 10, 11, 12 Mathematics

Algebra 1 formalizes and builds on the concepts students learned in middle school. Students will use tables, graphs, equations, graphing technology, and other forms of technology to analyze the structures of and patterns within real numbers, expressions, equations, and inequalities. Students will learn to translate between abstract and contextual situations as they develop problem-solving and reasoning skills. Topics in this course include expressions and operations, equations and inequalities, functions, linear functions, exponents and radicals, exponential functions, descriptive statistics, systems of equations and inequalities, polynomials, and quadratics. This course lays the foundation for the concepts needed to be successful in Geometry, Algebra 2, and beyond.

Algebra 2 (MS)

GRADES 9, 10, 11, 12 Mathematics

Algebra 2 builds on concepts from Algebra 1 and Geometry while preparing students for courses in higher mathematics. Students will learn to manipulate functions to reveal characteristics of interest, use efficient strategies to solve for desired quantities, and use technology to discover important information. This course will help students communicate their reasoning and deepen their understanding of mathematic concepts as they investigate, model, and solve real world problems. Topics include functions, complex numbers and quadratics, polynomials, radical functions and rational exponents, rational functions and expressions, exponential and logarithmic functions, sequences and series, triangular and circular functions, graphs of trigonometric functions, trig identities, and inferential statistics.

Geometry (MS)

GRADES 9, 10, 11, 12 Mathematics

Students will develop an understanding of plane, solid, and coordinate geometry in this course. They will be introduced to definitions, properties, and theorems that will allow them to solve abstract and real-world problems. Students will use various tools as they develop logical reasoning, critical thinking, and decision-making skills. Topics in this course include geometry basics, logic and reasoning, parallel and perpendicular lines, transformations, triangles and congruence, similarity, special segments, right triangles and trigonometry, polygons and quadrilaterals, circles, solids, conic sections, and probability.

Secondary Math 1 (MS)

GRADES 9, 10, 11, 12 Mathematics

Integrated Math 1 formalizes and builds on the concepts students learned in middle school, giving students an understanding of the foundations of Algebra and Geometry. Students will use tables, graphs, equations, graphing technology, and other forms of technology to analyze the structures of and patterns within real numbers, expressions, equations, and inequalities. Students will learn and apply definitions, properties, and theorems to solve abstract and real world problems. Topics include expressions and operations, equations and inequalities, functions, linear functions, exponential functions, descriptive statistics, systems of equations and inequalities, geometry basics, transformations and congruence, and coordinate geometry.

Secondary Math 2 (MS)

GRADES 9, 10, 11, 12 Mathematics

Integrated Math 2 builds on the algebraic and geometric concepts students learned in Integrated Math 1. Students will use the skills they learned in the previous year and apply them to new types of functions. Students will learn how to formally prove theorems and gain a deeper understanding of two- and three dimensional shapes. Students will use various tools as they develop logical reasoning, critical thinking, and decision-making skills. Topics include exponents and radicals, polynomials, functions, quadratics, probability, logic and reasoning, proof and congruence, similarity, special segments, right triangles and trigonometry, polygons and quadrilaterals, circles, solids, and conic sections.

Secondary Math 3 (MS)

GRADES 9, 10, 11, 12 Mathematics

Integrated Math 3 blends algebra, geometry, statistics, probability, and trigonometry into one course. Students will learn to manipulate functions to reveal characteristics of interest, use efficient strategies to solve for desired quantities, and use technology to discover important information. This course will help students communicate their reasoning and deepen their understanding of mathematic concepts as they investigate, model, and solve real world problems. Topics include inferential statistics, complex numbers and quadratics, polynomials, radical functions and rational exponents, rational functions and expressions, exponential and logarithmic functions, sequences and series, triangular and circular functions, graphs of trigonometric functions, trig identities, and modeling with functions.

Grades 9, 10, 11, 12 continued

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M-Mathspace

High School

A–G approved

Precalculus (MS)

GRADES 9, 10, 11, 12 Mathematics

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The **C-Corinth** resource offerings make it exciting to learn science. Corinth is the largest library for STEM education in 3D, Augmented and Virtual Reality, available to schools and partners in publishing and e-learning.

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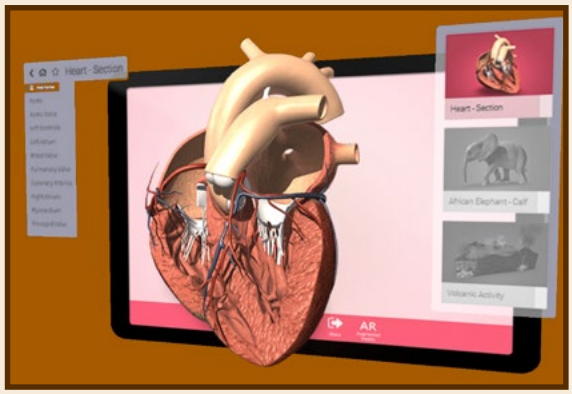

"Corinth has contributed a lot to my professional development as a teacher and to the personal growth of my vocational school students."

—Eva Toth
English teacher
Lajos Vocational School

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www.tinyurl.com/SchoolsPLPCorinth

Corinth

Test Prep
Catalog

SchoolsPLP offers many test preparation courses. Preparation courses for certifications, see the **P-CTE & Electives** catalog. There are courses that equip students with the job-specific knowledge and skills needed to prepare for industry certification exams and future careers. The certification courses are aligned with the direct learning objectives of the certification exams, providing both students and teachers an opportunity for strong efficacy from instruction to the exam.

The Test-Prep courses listed on the next page include the following:

- The **English and Math High School Readiness Assessments** are designed to assess whether students are ready for high school material and provide remediation as needed.
- The **GED courses** cover Language Arts/Writing, Mathematics, Science, and Social Studies and are individualized based on each learner's needs.
- The **U.S. Citizenship Preparation** course helps prepare immigrants for the naturalization process and covers topics such as the U.S. system of government, rights and responsibilities, American history, U.S. geography, and symbols and holidays.
- The **ACT Prep course** covers English, Math, and Science subject matter and includes quizzes and written assignments.*

For questions about other test preparation courses not listed and to discuss in more detail, please reach out to: **hello@schoolsplp.com.**

**The ACT Prep course is available at an additional cost and may be added upon request.*

TPR Test Prep

High School

P **Optional Printed Materials Available** ◉ **A–G approved** ***** **Additional Fees May Apply**

Grades 9, 10, 11, 12

ACT-051: ACT Preparation*

GRADES 9, 10, 11, 12 Electives FLEX

This ACT Prep course is a comprehensive study of the ACT test's English, Math, and Science subject matter including test-taking strategies that will maximize your success and potential to score higher on the real ACT test. This course includes quizzes in each unit and written assignments. There are also several opportunities to check your knowledge and understanding in ungraded self-checks. After successfully completing this course, you will be familiar with the current ACT test content, be able to demonstrate successful test-taking strategies and apply those strategies on test day!

English High School Readiness Assessment B A *P* ◉

GRADE 9, 10, 11, 12 Electives FLEX

(Full Year Course) The English Diagnostic is designed for students who are entering the 9th Grade. The purpose of the Diagnostic is to assess if the student is ready for high school material as well as to provide remediation for areas as needed. The Diagnostic consists of several English language categories. In each category, there is a pretest, remediation, and post test. If students pass the pretest, they will immediately go on to the next category pretest. If students do not pass the pretest, they will complete remediation, and then complete a post test. If the post test is passed, they will go on to the next category of pretest.

GED Prep Courses B A

GED Language Arts
GED Mathematical Reasoning
GED Science
GED Social Studies

GRADE 9, 10, 11, 12 Electives FLEX

These GED prep courses are comprised of the four key areas of the exam: **Language Arts/Writing, Mathematics, Science, and**. **Social Studies**. Each course contains a practice test to gauge which skills the learner needs to focus on, and the platform allows the instructor to assign the needed skills. The courses are individualized based on each learner's needs in order for them to achieve a successful GED score in the least amount of time possible..

Math High School Readiness Assessment B A *P* ◉

GRADE 9, 10, 11, 12 Electives FLEX

The Math Diagnostic is designed for students who are entering the 9th Grade. The purpose of the Diagnostic is to assess if the student is ready for high school material as well as to provide remediation for areas as needed. The Diagnostic consists of several math categories. In each category, there is a pretest, remediation, and post test. If students pass the pretest, they will immediately go on to the next category pretest. If students do not pass the pretest, they will complete the remediation coursework. Once remediation has been completed, students will take a post test. If the post test is passed, they will go on to the next category of pretest.

U.S. Citizenship Preparation B A

GRADE 9, 10, 11, 12 Electives FLEX

This course is designed to help prepare immigrants to be successful when completing the naturalization process. It includes steps to becoming a U.S. citizen, how to apply online, and what to expect during the naturalization interview. Students will learn key words and grammar needed to understand the interview questions. Students will also learn about: the U.S. system of government, rights and responsibilities, American history, U.S. geography, and symbols and holidays.

Read what people say about SchoolsPLP!

*There is so much about **SchoolsPLP** that supports teaching & learning; such as offering **grouping features** which allow for differentiated instruction, the ability to **add/customize lessons**, and a **vast content library**.*

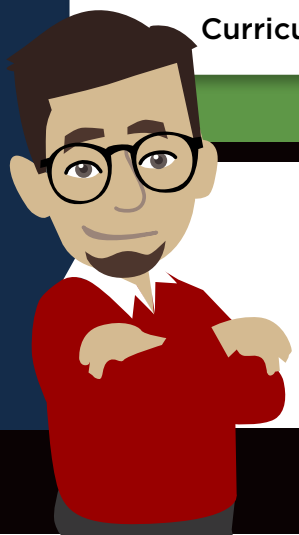
–Sarah Nitsos
Wiseburn Unified School District

*With all the **possibilities available** in **SchoolsPLP**, the **only limitation is our creativity.***

–Justin Kamerer
Hood River School District

*__SchoolsPLP__ allows us to develop **customized learning pathways** for all students using **flexible tools** built right into the platform. It helps us to **bring everything under one umbrella**. It just works!*

–Bob Logan
Curriculum Coordinator for eCampus Academy



You guys are the best!!!
–Angelo I.
Director of Operations

Thank you 194,858,303,000%! You have awesome people — everyone is great, all the time.
–Michelle G.
Dean of Online Learning

Very good, always prompt and understandable! Thank you!!!
–Dr. Valiatsina H.
Math Teacher

The parent was thrilled to have the step-by-step instructions to locate the comments for her son's SchoolsPLP work.
–Dr. Eric S.
Director of Technology

This training was helpful, to the point, and exactly what we asked for.
–Mari Joe M.
Technical Advisor

Wonderful directions & clear instructions on how to obtain the data I need.
–Megan Z.
Registrar

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