

Course Name	Course Description	Subject	Core / Elective Class	Credits	Grade Level
1st Grade ELA	The English Language Arts 1 program comprises two courses, ELA 1 and Phonics 1. The program provides a well-balanced approach to literacy that integrates phonics, reading, writing, grammar, vocabulary, spelling, and handwriting. Students develop comprehension, build vocabulary, and gain a lifelong interest in reading. Thematic units in literacy contain workshops in which instruction is anchored by a focus text. Through a combination of teacher-led instruction (either live or via embedded video within the course) and independent practice (both online and offline), students build knowledge by exploring both classic and contemporary works in different genres and formats—fiction, poetry, drama, nonfiction, trade books, magazines, and e-books. Beginning in the second semester, students complete focused grammar activities and write a variety of compositions by following the writing process. Phonics prepares students to become independent readers through teacher-led, systematic, multisensory instruction in a developmentally appropriate manner. Students review phonological awareness and learn advanced decoding skills and sight words. Letter tiles, a variety of interactive games and activities, and decodable readers (brief stories that consist entirely of words students can read independently) support multimodal learning. Spelling instruction begins in the second half of the first semester in ELA 1, building on the foundation of letter-sound knowledge previously mastered in Phonics. Targeted handwriting activities provide gentle instruction to help students print letters correctly.	ELA	Core	1	K-5
1st Grade Math	Math 1 continues to build a strong foundation in mathematical concepts. Students master content through a combination of teacher-led instruction (either live or via embedded video within the course) and independent practice. Teacher-led instruction engages students using online teacher resources, including virtual manipulatives, videos demonstrating concepts with physical manipulatives, and videos teaching concepts through song. During independent practice, students solve problems online, often working with virtual manipulatives, and offline in an activity book. The Math 1 curriculum focuses on numbers and counting, data representations, addition and subtraction, story problems, length, time, shapes, and place value. Throughout the Math 1 course, students review mathematical concepts found around them in the world. They also master addition and subtraction math facts through 10.	Math	Core	1	K-5
1st Grade Science	Science 1 brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons that provide opportunities for inquiry, and an array of e-books that capture students' attention and grow their interest in science. The curriculum begins with an overview of what science is and how to study it. Students then focus on plant and animal traits and relationships. In the last half of the course, students explore the patterns they see in the sky and examine how sounds and light are used to communicate and help them understand their world.	Science	Core	1	K-5
1st Grade Social Studies	This course covers several different areas of social studies, including physical and human geography; history and historical sources; U.S. symbols, songs, and celebrations; citizenship and civic responsibility; and economics. Students learn about the locations, characteristics, resources, and cultures of the earth, as well as those in their own community. They explore concepts related to the study of history and the history of the United States. Students identify key U.S. symbols and learn the reasons behind special national observances. They learn the meaning of citizenship and the duties and responsibilities of good citizens. Students explore basic economic concepts, such as needs and wants, buying and selling, and consumers and producers. They investigate the development of ancient civilizations in the Fertile Crescent, Egypt, India, China, and Greece.	Social Studies	Core	1	K-5
2nd Grade ELA	English Language Arts 2 Summit provides a well-balanced approach to literacy that connects reading, writing, grammar, word study (including vocabulary and spelling), and handwriting into one integrated program. The course comprises 12 thematic units. Each unit contains workshops in which reading, writing, and word study are anchored by a focus text. Through read-aloud videos, independent reading, and close reading activities, students explore both classic and contemporary works in different genres and formats—fiction, poetry, drama, nonfiction, and magazines. Through studying model writing from the reading selections, students use the writing process to complete a variety of short and long compositions. Students learn about grammar, usage, and mechanics and apply those skills as they write, revise, and proofread their work. Students grow their vocabulary by learning the meanings of words from the reading selections, as well as their ability to determine word meanings through strategy-based instruction on concepts such as word relationships, context clues, and word parts. Foundational concepts of phonological awareness and phonics are also included. Spelling instruction focuses on common spelling patterns and understanding how to apply them to words beyond those on the spelling lists.	ELA	Core	1	K-5
2nd Grade Math	Math 2 Summit is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 2 includes the tools and technology that students need to succeed. Summit Math 2 focuses on numbers through 1,000; time and money; two-digit addition and subtraction; length; story problems; shapes; number patterns; and data displays.	Math	Core	1	K-5
2nd Grade Science	Science 2 brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons, and an array of e-books that capture students' attention and grow their interest in science. Students engage in science and engineering practices as they explore topics such as matter and its interactions, changes to the earth, and plants and animals. Throughout the course, students conduct investigations using digital tools and simulations. Some labs also include alternative investigations that use household materials.	Science	Core	1	K-5
2nd Grade Social Studies	Second graders experience a broad introduction to social studies and build a base for future learning. Students expand their map skills by using features of maps, including scale, direction, and location, to read maps and draw conclusions. They put their map skills to use exploring the physical and human features of their community, state, country, continent, and world. Students increase their understanding of chronology and investigate the past using sources to learn more about themselves and their communities. They study people who influenced history as leaders, inventors, and trailblazers. Students discover cultures around the world and in their own communities. Students also learn the basic concepts and operations of the economy and are introduced to the basic principles of personal finance. Students describe the role of government and expand their understanding of how citizens contribute to their communities.	Social Studies	Core	1	K-5
3rd Grade ELA	Summit English Language Arts 3 provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Dedicated time for keyboarding practice is also included. The course comprises 14 units, including 2 assessment units. Each unit contains workshops that have one major focus (reading, writing, or word study) for instruction and reinforcement of big ideas. In reading workshops, students read independently both classic and contemporary works in a different genres and formats—fiction, poetry, drama, nonfiction, and magazines—before exploring each text through various activities. In writing workshops, students study writing models and then use the writing process to write a variety of compositions. They learn about grammar, usage, and mechanics and apply those skills as they revise and proofread their work. In word study workshops, students grow their vocabulary by learning the meanings of groups of conceptually related words. Students also learn to focus on spelling patterns that are necessary to be fluent, proficient readers, writers, and spellers.	ELA	Core	1	K-5
3rd Grade Math	Summit Math 3 is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 3 includes the tools and technology that students need to succeed in a blended learning environment. Summit Math 3 focuses on reviewing patterns and number sense; discovering addition, subtraction, multiplication, and division strategies; exploring shapes and calculating area; learning about fractions and equivalent fractions; measuring time, length, liquid volume, and mass; and exploring and making data displays.	Math	Core	1	K-5
3rd Grade Science	Science 3 brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons, and an array of e-books that capture students' attention and grow their interest in science. Students engage in science and engineering practices as they explore topics such as organisms, the environment, weather, climate, motion, and forces. Throughout the course, students conduct investigations using digital tools and simulations. Some labs also include alternative investigations that use household materials.	Science	Core	1	K-5

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3rd Grade Social Studies	Third graders explore the world around them through the lens of diverse social studies concepts and topics. Students apply their knowledge of basic map skills to identify the purpose of various maps and interpret how people adapt and change their environment to adjust to different climates and natural resources. Students then investigate the regions of the country, studying their physical and human features, history, and culture. They describe how culture changes and adapts to meet human needs as they explore cultures around the world and in their communities. Students learn about the founding documents and principles of America's government to see how state, local, tribal, and national governments operate. They learn that citizens have rights, responsibilities, and civic duties. Students investigate the relationship between humans and their environment to learn ways they can make a difference in their communities. They survey various public issues then choose one to research and propose solutions. Students expand their understanding of basic principles of economics and the importance of saving and budgeting for personal financial health.	Social Studies	Core	1	K-5
4th Grade ELA	ELA 4 Summit provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Dedicated time for keyboarding practice is also included. The course is made up of 12 units. Each unit contains workshops that center on one major focus (reading, writing, or word study) for instruction and reinforcement of big ideas. In reading workshops, students read independently in a variety of genres and formats—fiction, poetry, drama, nonfiction, and magazines—before exploring each text through various activities. In writing workshops, students analyze model writing samples and then work through the writing process to develop original compositions of their own. They learn about grammar, usage, and mechanics and apply those skills as they revise and proofread their work. In word study workshops, students grow their vocabulary by learning the meanings of groups of conceptually related words. Students also learn to focus on spelling patterns that are necessary to be fluent, proficient readers, writers, and spellers.	ELA	Core	1	K-5
4th Grade Math	Math 4 Summit is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 4 includes the tools and technology that students need to succeed in a blended learning environment. Summit Math 4 focuses on expanding understanding of operations with whole numbers, developing a greater understanding of fractions, discovering decimals and their relationship to fractions, and exploring geometric figures.	Math	Core	1	K-5
4th Grade Science	Science 4 brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons, and an array of e-books that capture students' attention and grow their interest in science. Students engage in science and engineering practices as they explore topics such as energy, waves, information transfer, plant and animal structures, senses, and the earth's features and resources. Throughout the course, students conduct investigations using digital tools and simulations. Some labs also include alternative investigations that use household materials.	Science	Core	1	K-5
4th Grade Social Studies	Fourth graders investigate the geography, history, economics, and civics of the United States. Students begin their study of geography by learning how to read and interpret different types of maps. They use maps to explore the five regions of the United States, as well as neighboring countries to the north and south. Students learn about the nation's natural landmarks and landforms, weather and climate, plant life, and wildlife. They learn about capital cities, urban and rural areas, business and industry, recreational and historical sites, and the importance of preserving the environment. Using primary and secondary sources they explore historical events and perspectives in American history. While students learn about cultural exchanges, settlement patterns, and migrations as the country changed over time, they begin to analyze historical events in terms of cause and effect to better understand the past. Students use research skills to learn about their state and share those findings with others. Students study basic economic concepts, financial choices, taxes, banking, and investing. They also explore federal, state, and local government and learn how America's founding documents establish government by the people. They learn about citizenship rights and responsibilities, limits to rights, and how citizens address modern-day issues in their communities and nation.	Social Studies	Core	1	K-5
5th Grade ELA	Summit English Language Arts 5 provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Dedicated time for keyboarding practice is also included. The course is made up of 12 units. Each unit contains workshops that center on one major focus (reading, writing, or word study) for instruction and reinforcement of big ideas. In reading workshops, students read independently in a variety of genres and formats—fiction, poetry, drama, nonfiction, magazines, and graphic novels—before exploring each text through various activities. In writing workshops, students analyze model writing samples and then work through the writing process to develop original compositions of their own. They learn about grammar, usage, and mechanics and apply those skills as they revise and proofread their work. In word study workshops, students grow their vocabulary by learning the meanings of groups of conceptually related words. Students also learn to focus on spelling patterns that are necessary to be fluent, proficient readers, writers, and spellers.	ELA	Core	1	K-5
5th Grade Math	Math 5 Summit is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 5 includes the tools and technology that students need to succeed in a blended learning environment. Summit Math 5 focuses on expanding understanding of operations with fractions, developing a greater fluency with operations with multi-digit numbers, expanding understanding of decimals, and learning to perform operations with decimals, learning about the coordinate plane, and exploring volume.	Math	Core	1	K-5
5th Grade Science	Science 5 brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons, and an array of e-books that capture students' attention and grow their interest in science. Students engage in science and engineering practices as they explore topics such as matter, organisms, ecosystems, the earth's systems, and the earth's place in the universe. Throughout the course, students conduct investigations using digital tools and simulations. Some labs also include alternative investigations that use household materials.	Science	Core	1	K-5
5th Grade Social Studies	This course introduces students to fundamental topics within the social studies discipline. These topics include family, home, community and culture, geography, chronology, early U.S. history, civics and the responsibilities of citizenship, and economics. Students begin by locating themselves and their families within a community and culture. They learn about basic physical geography and how to read maps and globes. Students explore what history is and how they study the past. They learn about the first peoples of the Americas and the founding of the United States. Students identify symbols of and celebrations in the United States and investigate the lives of significant historical figures in the context of civic responsibility. They also explore citizenship and basic economics.	Social Studies	Core	1	K-5
Accounting	In this semester course of our online Accounting course, you will explore accounting, including investigating accounting careers. You will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. You will also learn how to reconcile a bank statement and to prepare payroll records. This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.	Business	Elective	0.5	9-12

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Advanced Drawing	<p>In Advanced Drawing, students will be reviewing basic drawing skills and the elements and principles of design, while exploring deeper how they are used in art. Students will also explore, in-depth, several different types of media and artistic styles in order to define their personal aesthetic and design their own compositions. In each section, students will observe and analyze various artworks to expand their knowledge of art history and develop their personal aesthetic.</p> <p>All projects in this course will be an original composition by the student. After instruction and research, students will be given prompts and guidelines on how to create each project, but the final outcome will be unique to each person. At the end of the last four modules, students will participate in either a self- or peer-critique. This is to help students learn to analyze their work and grow as an artist from the input of others.</p> <p>At the end of the course, students will compile and organize their artwork into a digital portfolio and write an artist statement. This can be used as a record of personal accomplishment or as an application to a secondary art program or job.</p>	Art	Elective	0.5	9-12
Aeronautics and Space Travel	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 online Aeronautics course gives an expansive view of the technologies, science, and theories that will make far-fetched dreams into realities during the student's lifetime.	Science	Elective	0.5	9-12
Algebra 1	Algebra 1 (semester A) introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. Algebra 1 (semester B) builds on the concepts learned in the first semester by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability.	Math	Core	1	9
Algebra 2	Algebra 2 (semester A) further extends the learner's understanding of major algebra concepts such as expressions, equations, functions, and inequalities. An emphasis will be placed on the use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. Algebra 2 (semester B) builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into trigonometry, pre-calculus and advanced probability and statistics.	Math	Core	1	11
American History	This course covers the discovery, development, and growth of the United States. Major topics include; American Indian cultures, European colonization of the Americas, and the causes and effects of the American Revolution. Geographical, economic, and political factors are explored as the key factors in the growth of the United States of America. American History I is a survey of the struggle to build the United States of America from the colonial period to the beginning of the twentieth century. By means of reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past. Knowing the facts and dates of history are just the beginning: each student must understand how history affects him or her. American History B begins with a study of American life before the 1929 Stock Market crash and how the Roaring Twenties influenced society in the late 19th through early 20th centuries. Students will examine the causes and consequences of the Great Depression and move on into a detailed study of World War II with an emphasis on America's role in the conflict. The course continues with an analysis of the Cold War struggle and America's rise as a superpower. The Civil Rights and Women's rights movements, pollution and the environment, and American domestic and foreign policy will be examined. The course wraps up with a summary of current events and issues, including a study of the Middle East. This course begins with an assessment of life in United States pre-World War I and ends with the conflicts of the new millennium. Students look at the nation in terms of economic, social, and political trends. The experiences of the last century are summarized, including a look into the civil rights issues that have embroiled the nation in conflict. The development of the United States of America into a superpower is explored within a global context.	Social Studies	Core	1	9
Anatomy and Physiology	The aim of this course is to expand upon what was learned in your Biology class, while emphasizing the application of this material to human structures and functions. This course begins the study of human beings at the microscopic level and works its way up to an in-depth study of select organ systems. Special emphasis will be placed upon applying and demonstrating the information learned in this course through, not only tests and quizzes, but through special projects and collaboration as well. Part B is designed to give the student an understanding of how structure and function are related in the human body. The student will study the human body from the cellular level to the organ system level. All of the major body systems will be studied in great detail. Additionally, biochemistry, cell biology, histology, biotechnology, bioethics, and pathology will also be studied. This course is highly recommended for students seeking a career in science or a health-related profession.	Science	Elective	1	9-12
Anthropology 2	How does your culture influence you? Many of our ancient cultures and languages were shaped by the geographical locations of our ancestors. And by examining their views on life, death, art, and survival, we begin to understand how ancient cultures flourished. In looking back and learning about cultures, we are better equipped to understand the world around us.	Social Studies	Elective	0.5	9-12
AP Biology	This course is taught at the college level and designed to prepare students to take the Advanced Placement Examination and score high enough to earn college credit in those colleges that recognize the examination. College level textbooks are used. College level AP Biology will cover all of the topics in the AP Biology Course Description. These include biochemistry, cell structure and function, cell energetics, cellular reproduction and communication, heredity, molecular genetics, evolution, ecology, diversity of organisms, structure and function of plants and animals, and comparative anatomy.	Science	Core AP	1	9-12
AP Calculus	This High School AP Calculus course is designed with the intent for students to incorporate the concepts of all previous math courses and expand upon these concepts with the implementation of Limits. Emphasis is placed upon the multi-representational approach to calculus where problems and their solutions are explored and interpreted graphically, numerically, analytically and verbally. Students will also be required to explain their answers in written form and will be asked to compare their written response to the AP grading rubric and explain why they feel they should receive that grade. Students are required to use graphing calculators with the capabilities ascribed by the College Board: (apcentral.collegeboard.com). These calculators will be used in a variety of ways including multi-representation of equations (graphs and tables) and also for conducting explorations with various functions and how different values change the look of the function.	Math	Core AP	1	9-12
AP Chemistry	College level AP Chemistry is taught at the college level and is designed to prepare students to take the Advanced Placement Examination and to score high enough to earn college credit in those colleges that recognize the examination. College level textbooks are used. The course will cover all of the topics in the AP Chemistry Course Description. These include an introduction to chemistry as the study of change, gases, thermochemistry, quantum theory, chemical bonding, crystals, phase changes, solutions, chemical kinetics, chemical equilibrium, acids and bases, entropy, electrochemistry, nuclear chemistry, metallurgy, alkali and alkaline metals, nonmetallic metals, transition metals, organic chemistry, and synthetic and natural organic polymers.	Science	Core AP	1	9-12

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AP English Language and Composition	<p>This course helps students prepare to take the Advanced Placement Language and Composition Exam™ administered by the College Board. The first semester focuses on the concepts and skills needed to analyze argumentative texts and to build solid arguments—starting with the choices that experienced authors make when they write to persuade an audience. Students learn and apply best practices for constructing, revising, and refining their own arguments. Writing assignments in Semester A include rhetorical analyses of straightforward written arguments as well as satirical texts and visual approaches to persuasion. Students will be asked to develop several formal argumentative essays and also to practice new skills by writing less formal journal entries throughout the semester. The pace and level of work required by this course is similar to that required in a college-level composition course, so students should be prepared to work independently and to complete all assignments in a way that makes good use of their time.</p> <p>The second semester of AP English Language and Composition focuses on writing tasks that require synthesis and documentation. Students will analyze many examples of synthesis essays and apply what they learn as they create their own texts based on multiple sources. They will also take a closer look at the use of visual and multi-modal or multimedia evidence when used as support for an argument, and they'll consider how to incorporate these unique approaches into their own attempts at persuasion. Semester B will ask students to work toward improving and refining the style with which they deliver arguments, including the use of rhetorical devices, varied syntax, and grammatical concepts essential to academic discourse. Writing assignments in Semester B include the analysis and construction of multimedia arguments, studies in style, and research-based projects that require the synthesis of information and ideas. As in Semester A, the pace and level of work required by this course is advanced and substantial, so students should be prepared to work independently and thoroughly on all assignments.</p>	ELA	Core AP	1	9-12
AP Psychology	<p>This course will be utilized for students wishing to take the AP Psychology exam. All modules in this course are geared towards a content area covered on the AP exam. The course begins with an introduction to the course as well as the origins of psychology to strengthen students' scientific foundations that other modules will build upon. The semester then focuses on biology with an emphasis on the brain. With having a strong grasp of neuropsychology, students will then expand their knowledge to learning with topics such as operant and classical conditioning and cognitive psychology with topics like storing and retrieving memories. The semester ends reviewing testing, bias, and individual differences. Throughout the semester, there will be progress checks sprinkled in each module to help the students conduct a self-check of their knowledge.</p> <p>This semester kicks off with development psychology from prenatal all the way to adulthood. Next, students will be guided into theories of motivation and emotions and how these can impact happiness. Moving along to the next module, students will be introduced to different theories of personality including different approaches to analyzing personality. Once students have understood happiness and theories of personality, students will then take an in-depth look at clinical and abnormal psychology focusing on different types of therapies for different types of disorders. The last area that students will learn about is social psychology covering topics such as conformity, attraction, and aggression. The semester wraps up with a thorough review of the entire course as well as MCQ and FRQ practice in preparation for the AP Exam.</p>	Social Studies	Elective AP	0.5	9-12
AP Spanish Language and Culture	<p>In AP Spanish Language and Culture, students will use the three modes of communication – interpretive, interpersonal, and presentational – as defined by the World Readiness Standards for Learning Languages. Using the ACTFL Performance descriptors for Language Learners, students will be provided opportunities demonstrate their proficiency in each of the three modes. Each module is theme-based, providing ample opportunities to interpret written, print, visual, audiovisual, and audio text; speak with and write to others, and present by speaking and writing for an audience.</p> <p>In order to demonstrate all three modes of communication, students will engage with their instructor and students in collaborative discussions, personal opinion & persuasive essays, interpretation activities, and oral & audiovisual presentations. In both semesters, students will encounter similar tasks as found on the AP exam, but by Semester B, the difficulty and complexity will have increased to match the exam's expectations.</p>	Foreign Language	Elective AP	1	9-12
AP Statistics	<p>This High School AP Statistics is a preparatory AP course that introduces students to selecting statistical methods, analyzing data, using simulations and probability, as well as statistical argumentation. Students will be required to answer questions using proper language associated with the AP Statistics exam. Students are required to use graphing calculators. This course will demonstrate the use of a TI-84 calculator in preparation for the AP exam.</p>	Math	Core AP	1	9-12
AP US Government and Politics	<p>This course examines the U.S. political system. Students in this course will discuss political ideology, the development of the political system and democratic institutions. Students should, according to the College Board, gain an "analytical perspective on government and politics in the United States." Furthermore, students will study "both the general concepts used to interpret U.S. politics and the analysis of specific examples" throughout history. The class discussion will require that students acquire a "familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics." The main emphasis of the course, however, is to be able to apply a basic comprehension of the U.S. political system to contemporary events.</p>	Social Studies	Core AP	1	9-12
Art Appreciation	<p>What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design, and explore how artists have used these elements and principles in the creation of art for centuries.</p>	Art	Elective	0.5	9-12
Art History	<p>This Art History course integrates the four components of art study: art production, historical and cultural context, critical process, and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations demonstrating concepts learned.</p>	Art	Elective	0.5	9-12
Basic Drawing	<p>In Drawing, students will experiment with several different art materials and tools to see what each tool can do best. Students will explore ordinary things around them to become more observant of the structures and meanings of things which can be seen in your their home and community. Your work will be your own study of the forms, textures, movements, and patterns of the things that you see every day.</p> <p>Each project and each lesson is based on the one before it; so always do the lessons in the order they are given. Be sure to follow the directions exactly regarding which materials, sizes, and subject matter to use for each project. Each lesson will be a study of a new way of drawing. The examples given will show only the method and materials to be used, never the same subject or size as the project assigned. The examples are never to be copied. An example will only show one way of using the technique described.</p> <p>By becoming more observant, by experimenting with new materials, and by exploring a variety of methods, students will continue to grow in artistic skill and enjoyment.</p> <p>Beyond fundamental skills are various levels of creativity. Each lesson provides room for expressing the technical skill learned in a unique, creative way.</p>	Art	Elective	0.5	9-12

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Biology	<p>Biology A introduces students to the scientific method and the major concepts of biology from an historical and practical viewpoint. The three major themes of this course are the cell, the molecular basis of heredity, and the interdependence of organisms. Students who take this class will have a deeper appreciation for the complexities of living organisms. Life on this planet, unlike anywhere else in the observable universe, is complex and highly organized. Whether examining life on the molecular or the planetary level, it exhibits a highly organized structure that inspires awe by its genius and complexity. In the last 50 years, discoveries have launched new branches of biology that have transformed the daily routine, from conception to death. New challenges await, such as the current crisis in ecology, global warming, and the resurgence in viral disease. To make rational choices in the 21st century, the citizen must have a basic understanding of biological concepts and the reasoning behind them. Biology A is presented in a multimedia format using interactive modules, labs, narrated animation, text, and videos to present the study of life on this planet.</p> <p>Biology B is a continuation of the basic course in biology, Biology A. The major concepts covered are population dynamics and evolution. Students explore population dynamics through the study of mutualism, predation, parasitism, and competition. The theory of evolution is presented, along with the many evidences and details that make evolution the backbone of modern biology. From biochemistry to evolution, biology fascinates people. Biochemists first astounded the world by showing that life obeys the same chemical principles as all creation, but that life engineers chemistry to its own needs. Decades later, Darwin shocked the world by suggesting that life evolves according to the conditions of the environment it inhabits. Evolution, often debated and derided, has survived to become a key concept of biology. This second course in biology examines the wonder of life and its mechanisms.</p>	Science	Core	1	10
Business Law	Students learn about the American legal system. They examine ethics, court systems, criminal law, and law of torts. They examine how the court systems work together, and what misconduct results in going to court. It is important to also understand your consumer rights. As they progress through the online Business Law course, they will also gain an understanding from a business perspective what is right and wrong business actions and employment laws. As an employee or employer it is important to understand the laws that protect the employee and employer. The study will focus on the formation of a business and the basic legal issues associated with each type of business.	Business	Elective	0.5	9-12
Career Exploration in Dentistry	This career exploration in dentistry 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 Readiness	Elective	0.5	9-12
Career Exploration in Finance	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 Readiness	Elective	0.5	9-12
Career Exploration in Healthcare	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. Get ready. Get set. Learn about the Future of Health Care Careers!	Career Readiness	Elective	0.5	9-12
Career Planning	The online Career Planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.	Career Readiness	Elective	0.5	9-12
Chemistry	<p>Chemistry A introduces students to the science of chemistry beginning with exploring why scientists are interested in studying matter at a submicroscopic level. Students will continue to learn how scientific methods are used to understand the natural world and will continue to develop their skills in this area. Chemistry A covers topics in the characteristics of matter, atomic structure, chemical periodicity, chemical bonds and compounds, and chemical formula writing and naming. An algebra background is recommended because of the amount and type of math involved.</p> <p>Chemistry B builds on the concepts and skills learned in the first semester as students continue to explore the properties of matter and the changes it undergoes. Chemistry B covers topics in chemical reactions and stoichiometry, gases, thermochemistry, kinetics, equilibrium, acids and bases, organic chemistry, and biochemistry. An algebra background is recommended because of the amount and type of math involved.</p>	Science	Elective	1	9-12
Child Development	This course is designed to help prepare students for their responsibilities as parents and caregivers of children. Topics include prenatal care, growth and development through age six, teen pregnancy, maternal health, parenting skills, and child guidance.	Social Studies	Elective	0.5	9-12
Civics	In this course students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the United States government. Students will examine the purposes and functions of federal, state and local government, the justice system, political systems the environment, and the economy. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. Students will get to know leaders and influential people that have championed many causes including civil rights and the environment. Learners will also learn proper ways to interact in society including interpersonal skills and respecting differences in others including disabilities. Learners will follow a step-by-step approach for successfully completing each lesson, which includes textbook reading, interactive activities, supplemental reading, lecture, video clips, and Power Point presentations to enhance and reinforce learning. Learners receive frequent feedback from teacher and peers through discussions. By the end of the course students will have a deep understanding of their civic responsibilities as well as the difference one individual can make in society.	Social Studies	Core	1	10
Construction: Fundamentals and Careers	Our online construction fundamentals course introduces students to some of the foundational elements of home construction and then does a deep dive into careers, technology, and the future of home construction. It also addresses some of the academic proficiencies that different careers in the field of home construction will have to have. Later in the course, specific careers, career outlooks, and specialized education and training requirements will be covered. Students will discover the varied roles within the field as well as what it takes to own a construction company. Finally, the course delves into green construction and where the future of construction is headed.	Career Readiness	Elective	0.5	9-12
Consumer Math	This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. The first semester will cover paychecks and wages, taxes, insurance, budgets, bank accounts, credit cards, interest calculations, and comparison shopping. Second semester topics include vehicle and home purchasing, investing, and business and employee management.	Math	Core	1	12

Course Name	Course Description	Subject	Core / Elective Class	Credits	Grade Level
Creative Writing	Semester A – At the beginning of the semester, students consider the importance of word play exercises in improving their facility with language while building a compelling and creative writing style. Focusing on word nuances and precision, later lessons guide students to write in a variety of short modes—including poetry, song lyrics, prose poetry, short short stories, and creative nonfiction. There are several opportunities for peer review in this semester, during which students learn best practices for participating in writing workshops, and then revise their work using feedback from their peers. Semester B – This semester focuses on longer works of fiction: short stories, plays, and novels. Students learn basic techniques of plot and character development along with strategies for creating suspense and building a theme, and they have opportunities to write in several different genres. Lessons cover a few special topics as well, including graphic novels, animation, comedy, and improvisation. Students apply what they have learned about writing workshops and revising to the longer pieces of writing they create for this semester.	ELA	Elective	1	9-12
Digital Media	Digital Media is a project-based survey of different forms of digital media, such as digital audio, imaging and illustration, movie editing, and animation. It's oriented toward teaching broad, flexible tools and concepts that are not tied to any one platform or program. Each module of the digital media online course ends with a culminating task (like a podcast or short film), and students will be able to draft and develop their projects as they build their skills over each lesson.	Career Readiness	Elective	0.5	9-12
Early Childhood Education A	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.	Career Readiness	Elective	0.5	9-12
Early Childhood Education B	The Early Childhood Education Two 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 and how to implement DAP 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.	Career Readiness	Elective	0.5	9-12
Earth Science	The first three modules of Semester 1 cover Scientific Inquiry, the Structure and Composition of the Universe, and the Features of the Solar System. Students learn the importance of scientific inquiry and how to communicate the results of scientific investigations. They then have material on the formation of the universe, including the Big Bang Theory, the motions of celestial objects, and stellar evolution. The third module covers material related to the Solar System, including features of the Sun and the planets and the movements of Earth. The second three modules of Semester 1 cover Weather, Climate, and Earth's Water Cycle. Students first learn in Module 4 about the atmosphere and clouds, as well as the factors that influence local and global climate. In Module 5 they continue by learning about weather and air masses, meteorology and storms. Module 6 then discusses the water cycle, including groundwater and ocean features, as well as water scarcity and pollution. The first three modules of Semester 2 cover the physical structure of the Earth and Earth's tectonic system, including the rock cycle, tectonic activity, and mountain building. It then covers weathering and erosion and soil formation. The next material in the course then addresses the concept of systems; it addresses the Earth as a system, feedback in systems, and Earth's major nutrient cycles. The second three modules of Semester 2 cover geologic history, including the evolution of Earth's atmosphere, the geologic time scale, and the fossil record. It then goes over natural resources and the effects of human population on natural resources. The course wraps up with a discussion of human society and its interconnectedness with the Earth's environment, how science and technology work together, and the technological design process in earth science applications.	Science	Core	1	11
Economics	This course introduces the principles and the applications of economics in everyday life. Students develop an understanding of limited resources, and compare it with unlimited wants and needs. Students learn how individual and national economic decisions are made to allocate goods and services among competing users. Students apply economic principles to think and problem solve. The study of Economics uses the view of economic institutions and policies to explore the history, organization, and functions of the U.S. government in controlling our economy. It offers students learning opportunities that build one on another. A goal of the course is for the student to develop the critical skills of analysis, synthesis, and evaluation in a demanding and thoughtful academic setting. Students are encouraged to use their knowledge of the policies and institutions of economics to develop their own views on current economic and monetary issues. They are taught how to apply what they have learned into personal financial activities. The course looks closely at the economic knowledge and values of the country and gives students a look into the problems faced by presidents, and congressional representatives. It also covers the roles of political activists, political parties, interest groups, and the media in shaping the U. S. economy. The Supreme Court is presented as the voice of reason in the balance of powers. Students are encouraged to perform at higher levels as they are presented with historical documents and additional readings, work with a set of facts arranged by theme, become skillful in note-taking, and join in student discussions. Students develop and demonstrate their writing skills by preparing extended research-based papers.	Social Studies	Core	1	10
Financial Literacy	This course is designed to help students budget, keep a checkbook and filing system, deal with debt and credit, and become wiser consumers. Students will learn how money and the dynamics surrounding it affect their relationships, their lifestyles, and their retirement.	Business	Elective	0.5	9-12
French 1	French 1 focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.	Foreign Language	Elective	1	9-12
French 2	Semester A focuses on the continuation and enhancement of language skills presented in Level 1. Vocabulary and grammar structures are revisited and expanded to provide students an opportunity to move towards an intermediate comprehension level. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities, reading of culturally-related articles of interest and responding to reading in the target language. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines. Semester B continues the enhancement of language skills. Vocabulary and grammar structures are revisited and expanded as students explore other French-speaking areas. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities related to travel, to the Olympics, to natural disasters, and to the space program. Reading of culturally related articles of interest and responding to reading in the target language, along with the use of technology, reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.	Foreign Language	Elective	1	9-12

Course Name	Course Description	Subject	Core / Elective Class	Credits	Grade Level
French 3	<p>French 3 Semester A contains 6 (six) modules. Each module contains 10 (ten) lessons. The purpose of the French 3 course is to further students' language acquisition and to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where French is spoken. This course is based on the ACTFL standards and provides students with opportunities to expand their listening, speaking, reading, and writing skills as they create with the language and access various materials on generally familiar topics. Students identify the main idea(s) and details in texts, dialogues, and videos within a cultural context. They read and interpret authentic materials. They read, speak, write, and listen to short cohesive passages in the present, past, and future times.</p> <p>French 3 Semester B contains 6 (six) modules. Each module contains 10 (ten) lessons. The purpose of the French 3 course is to further students' language acquisition and to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where French is spoken. This course is based on the ACTFL standards and provides students with opportunities to expand their listening, speaking, reading, and writing skills as they create with the language and access various materials on generally familiar topics. Students identify the main idea(s) and details in texts, dialogues, and videos within a cultural context. They read and interpret authentic materials. They read, speak, write, and listen to short cohesive passages in present, past, and future times.</p>	Foreign Language	Elective	1	9-12
Geometry	<p>Geometry is the study of the measurement of the world. What makes Geometry so engaging is the relationship of figures and measures to each other, and how these relationships can predict results in the world around us. Through practical applications, the student sees how geometric reasoning provides insight into everyday life. The course begins with the tools needed in Geometry. From these foundations, the student explores the measure of line segments, angles, and two-dimensional figures. Students will learn about similarity, triangles and trigonometric ratios. Geometry A consists of six modules.</p>	Math	Core	1	10
German 1	<p>This German 1A course is an introductory course teaching basic comprehension and communication in German. It coordinates the study of language with culture through the use of video, audio and mass media production. This course assumes prior or no knowledge of the German language. It introduces the fundamentals of conversational and grammatical patterns of the German language with presentations to present the material. Students who complete the course successfully will begin to develop a functional competency in the four primary language areas: speaking, reading, listening and writing, while establishing a solid grammatical base and exploration into German culture.</p> <p>The second semester course will expand on the knowledge gained from German 1A and further develop their skills in pronunciation, grammar skills, grammar structures and vocabulary. Oral practice (via Voice Tools), homework assignments, games, songs, watching videos, quizzes, tests, projects and other activities such as writing wikis and journal entries, will be emphasized to accomplish this goal. The different cultures of the German-speaking world are emphasized through readings, videos and other activities. Taking the time to learn another language is a mind-expanding activity that can open up a world of opportunities and advantages.</p>	Foreign Language	Elective	1	9-12
German 2	<p>In this course, students build on grammar and language skills that they acquired during their G1A and G1B courses. While reviewing basic grammar skills, (present and past tenses), students learn and study stem-changing verb conjugation and explore cultural themes regarding current events, famous German people, music and famous festivals.</p> <p>In the second semester course, students increase their proficiency in being able to communicate by forming more complex German sentences in a variety of tenses using all four cases (Nominative, Accusative, Dative and Genitive). The variety of topics increases also, from exploring different careers to discussing relationships. Cultural themes are entwined throughout this course related to going shopping, to going to the zoo and also to travel throughout the German-speaking world.</p>	Foreign Language	Elective	1	9-12
Health	<p>In this course, students acquire the knowledge and skills they need to lead a healthy life. Semester A focuses on the impact of personal decisions on the student's own health. Students learn how to find, evaluate, and use reliable information related to a variety of health topics. They also study the basic science behind nutrition, exercise, stress, and psychology, and examine how these factors affect a person's overall health. Each lesson in the course guides students in applying what they have learned in the lesson to their own lives and choices—and gives them a chance to discuss the topic with peers and instructors.</p>	Health	Elective	0.5	9-12
Health Careers	<p>In this course students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, child care, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.</p>	Career Readiness	Elective	0.5	9-12
History of Gaming and eSports	<p>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.</p>	Career Readiness	Elective	0.5	9-12
Individual and Team Sports	<p>To improve and maintain optimum health, it is necessary for people of all ages to participate in physical exercise. There is little doubt that, in addition to students in schools, the number of adults participating in sports and recreational activities in the United States has increased in recent years. Physical education is much more than just fitness and exercise. A well-planned program will cause you to think and express your emotions about different situations. In addition, a good program can make a valuable contribution to your education. These experiences will help you develop a sense of wellness.</p> <p>Emphasis in this course is placed on the value of these sports as possible lifetime activities and on creating a clear explanation of the rules and basic principles of a variety of sports. The sports covered in this course are archery, bicycling, golf, skiing, tennis, volleyball, baseball, basketball, football, hockey, and soccer.</p> <p>Information about the playing area and equipment, basic rules, safety considerations, and terminology for each sport are included in the discussions. For the most part, the information presented in each lesson applies to sports programs throughout most sections of the United States.</p>	Health	Elective	0.5	9-12
Integrated Math 1	<p>In Integrated Math 1, students use arithmetic properties of subsets of integers and rational, irrational and real numbers by simplifying expressions, solving linear equations and inequalities, graphing equations, finding the equation of a line, working with monomials and polynomials, and factoring and completing the square. Students use properties of the number system to judge the validity of results, justifying each step of the procedure to prove or disprove statements. Students compute perimeter, circumference, area, volume and surface area of geometric figures. Students also use basic trigonometric functions defined by the angles of a right triangle.</p>	Math	Elective	1	9-12
Integrated Math 2	<p>Students begin the course learning about the algebraic concepts of functions, equations, inequalities, and complex numbers. They explore exponential and radical expressions, work with polynomials, and apply their knowledge to real-world problems by using algebraic expressions, pictorial and symbolic representation.</p>	Math	Elective	1	9-12
Integrated Math 3	<p>This course blends algebra, geometry, number and quantity, functions, modeling and statistics and probability into one course. Students begin the course learning about the algebraic concepts of functions, equations, logarithms, and graphs and then transitions into triangle and trig ratios. They dive into rational functions and sequences and series.</p>	Math	Elective	1	9-12
Intro to Nursing A	<p>In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention.</p>	Career Readiness	Elective	0.5	9-12

Course Name	Course Description	Subject	Core / Elective Class	Credits	Grade Level
Intro to Nursing B	In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.	Career Readiness	Elective	0.5	9-12
Journalism	This course is designed to prepare you to become a student of journalism and media. The work we do here will equip you with the critical skills you must have to succeed in high school media, college media, and beyond. We will read a variety of journalistic material and do a great deal of news writing. We will also look at journalism from legal, ethical, and historic vantage points. Expect to complete numerous writing activities in a variety of styles including editorial, hard news, feature, review, and more. If you participate actively, you will gain tremendous skills that will serve you for the rest of your life. Individual and group project will also be a part of this class. This course is a project based course and does not include traditional tests, unit level understanding is assessed through unit projects.	Career Readiness	Elective	0.5	9-12
Kindergarten ELA	The English Language Arts K program comprises two courses, ELA K and Phonics K. The program provides kindergarten students with a complete early literacy learning experience. Students work through structured lessons that emphasize reading readiness, phonics, language skills, literature, writing skills, and handwriting through a combination of teacher-led instruction (either live or via embedded video within the course) and independent practice, both online and offline. The program provides a strong foundation in comprehension and vocabulary to instill a lifelong interest in reading and learning. Phonics prepares students to become independent readers through teacher-led, systematic, multisensory instruction in a developmentally appropriate manner. Students review letter names, practice phonological awareness, and learn decoding skills and sight words. Letter tiles, a variety of interactive games and activities, and decodable readers (brief stories that consist entirely of words students can read independently) support multimodal learning. Read-aloud instruction through a wide variety of texts kindles the imagination and builds knowledge while developing listening skills, comprehension, and vocabulary. Students acquire the critical skills and knowledge required for reading and literacy. Text selections include engaging classic literature, exciting contemporary titles, and informative nonfiction topics in a variety of formats including trade books, magazines, and e-books. Poems and nursery rhymes help students further expand vocabulary and comprehension while developing a love of language. Drawing, and later writing, in students' My Writing Journal K lays the foundations of the writing process as students brainstorm, discuss, illustrate, and share ideas with others. Targeted handwriting activities provide gentle instruction to help students print letters correctly.	ELA	Core	1	K-5
Kindergarten Math	Math K is designed to provide students with a strong foundation in mathematical concepts. Students master content through a combination of teacher-led instruction (either live or via embedded video within the course) and independent practice, both online and offline. Teacher-led instruction engages students using online resources, including virtual manipulatives, videos demonstrating concepts with physical manipulatives, and videos teaching concepts through song. During independent practice, students solve problems online, often working with virtual manipulatives, and offline in an activity book. The Math K curriculum begins with a heavy emphasis on numbers and counting, leading to an understanding of addition and subtraction. Throughout the Math K course, students also explore mathematical concepts found around them in the world, including clocks and calendars, position and patterns, subitizing, shapes, measurable attributes, and money.	Math	Core	1	K-5
Kindergarten Science	Science K brings science alive by providing students a combination of virtual lab investigations (with options for hands-on learning), interactive lessons that provide opportunities for inquiry, and an array of e-books that capture students' attention and grow their interest in science. The curriculum begins with an overview of what science is and who scientists are. Students then focus on plant and animal relationships and analyze the weather. In the last half of the course, students explore how the sun affects their world and explore the interactions between different forces.	Science	Core	1	K-5
Kindergarten Social Studies	This course introduces students to fundamental topics within the social studies discipline. These topics include family, home, community and culture, geography, chronology, early U.S. history, civics and the responsibilities of citizenship, and economics. Students begin by locating themselves and their families within a community and culture. They learn about basic physical geography and how to read maps and globes. Students explore what history is and how they study the past. They learn about the first peoples of the Americas and the founding of the United States. Students identify symbols of and celebrations in the United States and investigate the lives of significant historical figures in the context of civic responsibility. They also explore citizenship and basic economics.	Social Studies	Core	1	K-5
Language Arts 10	English for grade 10 is an integrated curriculum, with each unit consisting of thematically related lessons in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. The skills that students practice for this course are similar to the skills in English 9 but require more independence and depth of thought. An introductory lesson at the start of each unit helps students identify any areas of weakness and review those topics before starting the more challenging grade 10 lessons. Writing assignments required in Semester A of this course include fiction, expository, and persuasive, and analytical modes, emphasizing the use of details, evidence, and reasoning to support ideas.	ELA	Core	1	10
Language Arts 11	English for grade 11 is an American Literature course, with units organized chronologically according to periods in literary history. As students read foundation works of literature and other historical documents written between 1600 and 1900, they'll review and extend skills in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Each module or unit begins with a lesson that provides historical context for the era and introduces themes that emerged in the literature of that era. Each lesson provides students with an opportunity to review basic analysis skills before applying those skills to works of literature or key historical documents. Lessons focused on more difficult historical documents include activities that help students comprehend the complex ideas in these works.	ELA	Core	1	11
Language Arts 12	Students examine major works of literature organized into thematic units. Each unit contains poetry, short stories, and a novel that revolve around the theme for the unit. Themes include the self, relationships, alienation, choice, and death. As students read these works, they have the opportunity to reflect on these important themes by writing in multiple modes and creating cross-disciplinary projects.	ELA	Core	1	12
Language Arts 6	Through a study of myths, fables, and folk tales from different cultures—as well as novels and other modern forms of narrative, students learn the elements common to all forms of literature and also the elements that are unique to each form. In lessons focused on writing and language study, students craft essays in several different modes and learn how to create the more formal style expected for school writing assignments. Lessons in this semester guide students to recognize and reproduce text structures and organizational patterns that work for different types of essays. The writing lessons also demonstrate the kinds of changes that students should make during the revising and editing stages of the writing process.	ELA	Core	1	6
Language Arts 7	Through analysis of written, spoken, and multimedia texts, students will become more critical consumers of information and of various forms of media. They will also synthesize and organize ideas to prepare structured essays in several different modes, including narrative, persuasive, and expository. Each lesson will guide students in learning and applying specific strategies for reading and writing different types of texts. A review of basic English mechanics is included in many of the writing lessons, along with a discussion of levels of formality required for different purposes and audiences. This course provides instruction in many modalities, including audiovisual presentations and videos, interactive activities, projects, and discussions.	ELA	Core	1	7

Course Name	Course Description	Subject	Core / Elective Class	Credits	Grade Level
Language Arts 8	Students will read and analyze various kinds of written texts, include novels and short fiction, informational texts representing a wide range of topics and forms, and several one-act plays. Lessons in Semester A will also guide students in writing their own narratives and essays, using the readings in the course as both examples and sources of ideas for reflection, analysis, and argument. Students will learn better ways to discuss their thoughts and perceptions with others—they will practice their skills in collaborative discussions as well as informal journal entries, presentations, and speeches. Writing assignments include personal narratives, analytical and persuasive essays, and an original one-act play. Special emphasis is placed on reading in certain content areas, such as science and history, as well as understanding and thinking critically about news and media sources.	ELA	Core	1	8
Language Arts 9	English for grade 9 is an integrated curriculum. Each unit contains thematically related lessons in five domains: reading and the study of literature, reading informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Topics are presented in ways that help young adolescents relate literacy skills to other aspects of their lives. Writing assignments include narrative, expository, and persuasive/argumentative modes and emphasize the use of and details and reasoning to support ideas.	ELA	Core	1	9
Marine Science	About 70% of the Earth is covered by water. Even today, much of the world's oceans remain unexplored. Marine scientists make exciting new discoveries about marine life every day. In this course, students will discover the vast network of life that exists beneath the ocean's surface and study the impact that humans have on the oceans.	Science	Elective	0.5	9-12
Math 6	Students begin the first semester of this course with a review of how to use basic arithmetic operations with whole numbers, fractions, mixed numbers, and decimals. More complex concepts are built on these basics. Students learn how to express, work with, and solve problems using percentages. They also learn the similarities and differences between ratios, rates, and proportions. They apply these ideas to solving problems involving measurement. This semester ends with an introduction to integers, and how to perform operations on this number set.	Math	Core	1	6
Math 7	In the first semester of grade 7 math online course, students work with problem-solving skills, beginning algebra skills, geometry, decimals, fractions, data analysis, number theory and patterns, percents, and integer use. Projects measure the student's ability to integrate and apply the course objectives. In the 2nd semester continuation of the first semester, students work with fractions; unit conversions; proportions and rates; percents; geometry topics including lines, angles, polygons, polyhedrons, perimeter, area, surface area, volume, and transformations; squares and square roots; permutations and combinations; and probability. Real-life application of concepts is emphasized in all units.	Math	Core	1	7
Math 8	The first semester of grade 8 Math online course will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry and will provide them with a concrete understanding of the basics for algebraic thinking. Students will develop a deeper understanding of the math concepts they have already learned and will stretch their thinking by solving real world problems. The second semester of Math 8 builds on the concepts learned in the first semester and prepares students with the building blocks needed to dive deeper into the exciting world of Algebra and Geometry.	Math	Core	1	8
Math Essentials	Students begin the first semester of this course with a review of how to use basic arithmetic operations with whole numbers, integers, fractions, mixed numbers, and decimals. More complex concepts are built on these basics. Students revisit simplifying order of operation problems. They will also learn how to apply the properties of addition and multiplication, as well as the distributive property, to equation solving. This semester ends with a review of solving inequalities in one- and two-steps. In the second semester of the Math Essentials online course, students apply all of their first semester knowledge to a variety of relevant topics. They learn the relationship among ratios, rates, and proportions, and solve daily problems using proportional reasoning. Students also look at the connection between fractions, decimal numbers, and percentages. They solve problems related to tipping, commissions, interest, and percentage increase or decrease. Next students revisit their coordinate plane and linear function knowledge, expanding their horizons by applying these concepts to other function families. The course then moves to everyday geometric concepts such as perimeter, area, and volume. Students end their year of study with a critical look at scatterplots in the real-world.	Math	Elective	1	9-12
Medicine	This course provides students with an introduction to healthcare, with emphasis on modern, clinical medicine. Students review basic human anatomy and physiology, then study major health concerns affecting people in the U.S. and the world. This comprehensive, 6-unit course examines such topics as infectious diseases, cancer, traumatic injuries, and healthcare career opportunities.	Career Readiness	Elective	0.5	9-12
MS Health	Our middle school health courses will help the student understand the importance of making decisions that will affect his or her physical, emotional, mental and social health. This course will provide students with the knowledge and resources they will need to make responsible informed decisions about their health. Students will have an opportunity to evaluate their own values, opinions and attitudes about health.	Health	Elective	0.5	6-8
Music Appreciation	Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.	Art	Elective	0.5	9-12
Nutrition	This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet related diseases, food handling, nutrition for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.	Health	Elective	0.5	9-12
Paleontology	From Godzilla to Jurassic Park, dinosaurs continue to captivate us. In this course, students will learn about the fascinating creatures both large and small that roamed the earth before modern man. Watch interesting videos from experts at The Royal Tyrrell Museum, a leading paleontology research facility, and discover how the field of paleontology continues to provide amazing insight into early life on earth.	Science	Elective	0.5	9-12
Personal and Family Finance	We all know money is essential in life, and the financial decisions you make today may have a lasting effect on your future. Explore how to spend and save your money wisely, and learn key financial concepts around taxes, credit, and money management. Discover how education, career choices, and financial planning can lead you in the right direction to making your life simpler, steadier, and more enjoyable.	Career Readiness	Elective	0.5	9-12
Personal Fitness	In this course, students are introduced to exercise and physical fitness and the general recommendations for physical activity, while examining the benefits of exercise, lifestyle choices that can help prevent disease, and tips for kick-starting a healthier lifestyle. Students will explore each type of fitness, include the benefits, and the federal guidelines for exercise in detail. Students will also learn about bones and joints and the functions of the skeleton, and the different types of movements that occur at various joints. Students will learn about the different types of muscle in their bodies, and how they are structured, with particular attention to the different types of muscle fibers. Students will explore the functions that muscles perform, how they work, and their interaction with the central nervous system and special considerations for safe and effective exercise. Students will learn how the cardio and respiratory systems work and interact with each other and about the different blood vessels that make up the circulatory (vascular) system. Students will learn about the body's energy systems and how eating and drinking relates to exercise. Finally, students will learn about the psychology of exercising.	Health	Elective	0.5	9-12

Course Name	Course Description	Subject	Core / Elective Class	Credits	Grade Level
Physical Education	Physical Education encompasses learning how to live and maintain a healthy lifestyle. This course covers physical fitness, why it is important, how to have a healthy attitude, and how to stick with a healthy game plan. In this ever-changing world, physical fitness becomes more important and more difficult to find the time for. This course allows the student to discover how to make physical fitness not only a part of their daily life, but also see that it is attainable. This course leads the student to discover healthy behaviors and sets the tone for physical fitness as well as healthy exercise. PE for a Healthy Lifestyle will examine the emotional, physical, and scientific factors that influence physical performance. This course is designed for anyone, ranging from the beginner to advanced abilities.	Health	Elective	1	9-12
Physical Science	This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life. This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.	Science	Core	1	9
Physics	Students begin their exploration of physics by reviewing the International System of Units (SI), scientific notation, and significant digits. They then learn to describe and analyze motion in one and two dimensions. Students learn about gravity and Newton's laws of motion before concluding the course with an examination of circular motion, energy, and simple machines. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems. Physics B continues the student's exploration of mechanics while also guiding them through some other important topics of physics. Students begin by exploring simple harmonic motion, wave properties, and optics. Students then learn the basics of thermodynamics and fluids. Afterwards, the students explore the principles of electricity and magnetism. Finally, students explore the area of physics known as Modern Physics, which includes topics such as the photoelectric effect, nuclear science, and relativity. This is a trig-based course. It is assumed you know and can use trigonometry..	Science	Elective	1	9-12
Pre-Algebra	Pre-Algebra A will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry. They will develop skills that will be necessary throughout their life. Students will stretch their thinking by learning to solve real world problems. Learning math and algebra concepts can be fun. Abstract ideas can be challenging for many students but the challenge is one they can meet. Concepts are presented with a little humor, making the learning fun. Students will enjoy learning each new concept and develop a deeper understanding of the math skills they already have. Each concept is presented using examples of the skills, concepts, and strategies students will need. Scaffolding of ideas is provided to ensure student learning.	Math	Elective	1	9-12
Pre-Calculus	In this course, students will understand and apply concepts, graphs and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic and trigonometric. An emphasis will be placed on use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments, and on examinations.	Math	Elective	1	9-12
Psychology A	In Psychology A the student begins with a brief history of psychologists and their experimental methods. Next they examine personality theories. Then human development from the infant stage through adult stage is explored. Finally, the last part of the course is about consciousness: sleep, dreams, and conscious-altering substances. Students are encouraged to increase their own self-awareness as they move through the course.	Social Studies	Elective	0.5	9-12
Psychology B	Students continue to learn about psychology. Students examine the nature of intelligence in humans and animals, including the origin of intelligence and how to measure it. They learn about learning with an emphasis on classical and operant conditioning. Students also investigate social psychology and psychological disorders. They demonstrate their understanding by completing projects in which they play roles like teacher, parent, and psychologist.	Social Studies	Elective	0.5	9-12
Renewable Energy	The earth's population is growing rapidly, and we need to find new, innovative ways to ensure that we are able to provide for our global energy needs. Students will look at the reasons why sustainability is important, take a balanced and evidence-based look at climate change, and learn new ways that we can harness renewable resources.	Science	Elective	0.5	9-12
Robotics: Applications and Careers	It seems like many elementary to high school robotics courses are focused on simply coding a Lego 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.	Career Readiness	Elective	0.5	9-12
Science 6	Science 6 is an integrated course in which the fields of science are not compartmentalized. Instead, earth and space science, life science, and physical science are integrated within each semester. Semester A begins with instruction on the nature of science. The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment.	Science	Core	1	6
Science 7	Science 7 is an integrated course in which the fields of science are not compartmentalized. Instead, earth and space science, life science, and physical science are integrated within each semester. Semester A begins with instruction on the nature of science. The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment.	Science	Core	1	7
Science 8	Science 8 is an integrated course in which the fields of science are not compartmentalized. Instead, earth and space science, life science, and physical science are integrated within each semester. Semester A begins with instruction on the nature of science. The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment.	Science	Core	1	8
Smart Cities: Technology and Applications	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 IOT devices. The course will conclude with an analysis of careers related to smart cities.	Career Readiness	Elective	0.5	9-12
Social Media Business Marketing	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.	Career Readiness	Elective	0.5	9-12
Social Studies 6	In this exploratory course, students will get an overview of both physical and human geography. To start their studies students will define and describe the five themes of geography: location, place, region, human-environment interaction, and movement. The students will explore each of the major regions of the world—the Americas, Europe, Africa, the Middle East, Central and Eastern Asia, and Southern Asia and Oceania—while focusing on these five themes.	Social Studies	Core	1	6

Course Name	Course Description	Subject	Core / Elective Class	Credits	Grade Level
Social Studies 7	Social Studies 7 introduces students to the beginnings of ancient civilization. We will trace the path of human origins in Africa and follow the path of migration around the Earth. This course will help students understand why we study history and the process in which we form conclusions about events in the past. Students will begin to learn about the major ancient civilization around the world and their cultures. Modern civilizations can trace their foundations to these ancient civilizations, and their cultures and histories teach us much about ourselves and the modern world in which we live.	Social Studies	Core	1	7
Social Studies 8	This study of the history of the United States emphasizes how ideas, events, and philosophies have shaped the nation. Students will learn about America's past while mastering the skills of historical interpretation. Study begins with the earliest arrivals of people and ends with the conclusion of the Civil War.	Social Studies	Core	1	8
Sociology	Sociology examines the basics of sociology, which is the study of society including individuals, human groups, and organizations. The course is divided into four main areas: the sociological perspective, social structures, inequality in society, and social institutions and change. Students will examine controversies around social change, inequality, gender, and race. The course revolves around an overview of the field with projects that offer the student a chance to explore from a sociologist's perspective.	Social Studies	Elective	0.5	9-12
Space Exploration	In 1961, Yuri Gagarin became the first human to go to space. In 1969, Neil Armstrong became the first human to step on the moon. This comprehensive course will examine the history and future of space travel. Find out how we have put people in space in the past, and what it will take for us to reach new frontiers, including Mars and beyond.	Science	Elective	0.5	9-12
Spanish 1	Spanish 1, Semester A, is an introduction to Spanish language and culture. Students learn to start with the basics of greetings and basic conversation, working to incorporate ideas from their life and experiences in Spanish conversation. This will be accomplished through written and verbal expression of the Spanish language. Building upon Semester A, Spanish 1 Semester B expands to asking questions and conversational Spanish throughout one's neighborhood and daily life. Through real-life scenarios and learning examples, students will describe situations, in Spanish, both verbally and written.	Foreign Language	Elective	1	9-12
Spanish 2	Students build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and other grammar concepts, and they increase their ability to communicate with others. They learn new concepts, like reflexive verbs, infinitive expressions, commands, the imperfect tense. Semester B will continue building on vocabulary, grammar concepts and communicating effectively in the target language. You will explore new countries where Spanish is spoken and continue to keep abreast of current events in the Spanish-speaking world.	Foreign Language	Elective	1	9-12
Spanish 3	Students continue to develop their ability in reading, writing, speaking, and understanding Spanish through a systematic review of its structure. Students focus on applying vocabulary in a wider array of situations by learning about the past progressive and subjunctive moods and the present perfect, future, and conditional tenses.	Foreign Language	Elective	1	9-12
Speech	This course is an introduction to public speaking that emphasizes the communication process, types of speeches, and argumentation. The purpose of this course is to prepare students for public speaking situations, decrease speaker anxiety, and provide them with basic principles of research and organization needed for effective speeches.	ELA	Elective	0.5	9-12
Startups and Innovation	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.	Career Readiness	Elective	0.5	9-12
Study Skills and Strategies	The Study Skills and Strategies course equips students with skills and understandings critical to effective learning. Using a unique approach to the traditional topic of study skills, this course weaves understanding regarding the role of the brain in learning into the instruction of discrete learning skills and strategies. Moving beyond a list of good tips and ideas, the Study Skills and Strategies course will challenge students to develop intentional approaches to learning. They will be required to make connections between the strategies and skills they learn in this course and the implementation of those strategies and skills in their other coursework. Upon completion of the course, students will have learned a variety of specific learning skills and strategies, gained greater understanding of their own learning preferences, and become prepared to develop and implement specific learning and study plans for any academic course or other learning needs.	Career Readiness	Elective	0.5	9-12
Teaching as a Profession	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.	Career Readiness	Elective	0.5	9-12
Theater Studies	Have you ever wondered how a play goes from the playwright's mind all the way into a multi-million dollar Broadway production? In this course, you'll learn the whole process! This course provides a thorough introduction to the theater by providing an overview of major topics in theater studies, with a blend of theoretical and practical lessons. In the first half of this course you will learn about the definitions of theater, theater history, and contemporary theatrical genres. The second half of the course will guide you through all of the elements of putting on a professional theatrical production. You will learn about the entire production process, from playwriting through opening night, including elements of technical theater, the rehearsal process, and audience response. Whether you're an aspiring actor, technician, director, or producer, or even just an avid theater-goer, this course is for you.	Art	Elective	0.5	9-12
Transportation Technologies	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.	Career Readiness	Elective	0.5	9-12
World Geography and Cultures	The student will be taught to use the basic skills of map reading and development, geographic technology, and the recognition of geographic themes to make sense of the world. The course examines world regions including the nations, people, and cultures of the Americas and Western Europe. The second-semester continues to teach the basic skills of map reading and development, the use of geographic technology, and the recognition of geographic themes. The focus examines the world regions, including the nations, people, and cultures of Central Europe and Northern Eurasia, Central and Southwest Asia, South Asia, Africa, East Asia, and the Pacific.	Social Studies	Elective	1	9-12

Course Name	Course Description	Subject	Core / Elective Class	Credits	Grade Level
World History	<p>World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. Semester A covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Semester A explores early intellectual, spiritual, and political movements and their impact on interactions among world cultures.</p> <p>Semester B applies the reading and analytical strategies introduced in Semester A to the events and movements that created the modern world. In the second semester, World History emphasizes the effects of the Industrial Revolution and changing attitudes about science and religion as well as the impact of European colonization. Students are encouraged to make connections between World War I and II and events related to the Cold War and between 19th-century imperialism and modern independence movements.</p>	Social Studies	Core	1	11