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High School Offerings -

English Courses

ELA 9 A & B:

Grade Level: 9

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

Required Novels (choose one per semester)

Romeo and Juliet (Semester A)

To Kill a Mockingbird (Semester B)

Optional Novels

Lists will be provided by the teacher.

Credits Possible: 1.00

Semester A

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. Speaking and listening lessons in Semester A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B

Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature and on comparative studies of world literature and literature delivered in different media. Writing and informational text lessons guide students through the stages of research and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

ELA 10 A & B:

Grade Level: 10

Duration: 2 Semesters

Prerequisites: ELA 9 A & B

Materials Needed:

Required Novels

Animal Farm (Semester A)

Night (Semester B)

Optional Novels

Lists will be provided by the teacher.

Credits Possible: 1.00



UPLIFT COURSE CATALOG



Semester A

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. Speaking and listening lessons in Semester A cover collaborative discussion skills, the peer review process, and how to plan and deliver informative speeches and presentations. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B

Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature as well as the evaluation of various modes and forms of writing. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

ELA 11 A & B:

Grade Level: 11

Duration: 2 Semesters

Prerequisites: ELA 9 A & B and ELA 10 A & B

Materials Needed:

Required Novels

The Scarlet Letter (Semester A)

The Great Gatsby (Semester B)

Optional Novels

Lists will be provided by the teacher.

Credits Possible: 1.00

Semester A

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.

Writing modes addressed in Semester A of this course include narrative, reflective, persuasive, and analytical modes. Assignments emphasize the use of details, evidence, and reasoning to support ideas; writing lessons include model essays that demonstrate key features of each mode. The speaking and listening lessons in Semester A cover rhetoric, the peer review or writing workshop process, and performance skills. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B



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Semester B of English 11 consists of units focused on historical eras and literary movements of the 20th and 21st century, such as Naturalism, Imagism, the Harlem Renaissance, and Post-Modernism. Literature analysis lessons in semester B focus on the forms of literature that were most commonly written during the Twentieth Century and how the forms, styles, and techniques of that century inform literature written today. Students will also evaluate various modes and forms of language expression, including single media and multimedia messages. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

ELA 12 A & B:

Grade Level: 12

Duration: 2 Semesters

Prerequisites: ELA 9 A & B, ELA 10 A & B, and ELA 11 A & B

Materials Needed:

In this course, you are required to read two novels from the You-Choose list in addition to the works that are listed as required reading below.

Jane Eyre by Charlotte Bronte (Semester A)

The Grapes of Wrath by John Steinbeck (Semester B)

The Alchemist by Paulo Coelho (Semester B)

The Metamorphosis by Franz Kafka (Semester B)

Hamlet by William Shakespeare (Semester B)

Optional Novels

Lists will be provided by the teacher.

Credits Possible: 1.00

Semester A

Students examine major works of literature organized into thematic units. Each unit contains poetry, short stories, and a novel that revolves 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.

Semester B

“There is nothing either good or bad, but thinking makes it so” – Shakespeare

Welcome to the contemporary world literature course. In this course you will experience novels, short stories, poetry, and non-fiction from countries around the world. You will discover that the writers in this course have ideas and lives as interesting as their work. You will discover many writers have unique writing styles, unique ideas, unique lives, and unique approaches to their art. You will also have the chance to do some unique work of your own. By reading contemporary work and some work of the 20th century you will also discover that “no matter what a writer’s origins, certain themes and events have been hard to run away from in the 20th and early 21st centuries.” As you read, it is my hope that you will come to an understanding that, “. . .reading literature from around the world is unlikely to teach you everything there is to know about a culture. But it may help. . .” Along this journey you will use technology, writing, reflection, vocabulary, research, and other academic and personal skills to help you learn to enter the world of your community, your country, and your world. As the poet Gwendolyn Brooks said, “I believe that we should all know each other, we human carriers of so many pleasurable differences. To not know is to doubt, to shrink from, sidestep or destroy.” So begin your own journey through the world, and do this by reading, writing about what you read, and experiencing the work of writers.



Math Courses

Advanced Placement® Calculus AB A & B:

Grade Level: 11-12

Duration: 2 Semesters

Prerequisites: Pre-Calculus A & B

Materials Needed:

Graphing Calculator (recommended: TI-84+)

Calculus, Volume 1 from OpenStax (Will be provided as a downloadable .pdf once in the course)

Digital:

ISBN-10: 1-947172-13-1

ISBN-13: 978-1-947172-13-5

Princeton Review AP®Calculus AB Premium Prep, 2022

ISBN-10: 052557056X

ISBN-13: 978-0525570561

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

REQUIRED: In-Person AP®Examination in the Spring

This 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.

Algebra 1 A & B:

Grade Level: 8-9

Duration: 2 Semesters

Prerequisites: Math 8

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Students learn through online lesson materials, videos and interactive activities.

Semester B

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. Students will interact with course materials through online lessons, videos, interactive questions and real-world applications.



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Algebra 2 A & B:

Grade Level: 11-12

Duration: 2 Semesters

Prerequisites: Math 8 A & B, Algebra 1 A & B, and Geometry A & B

Materials Needed: Calculator

Credits Possible: 1.00

Semester A

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.

Semester B

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.

Consumer Math:

Grade Level: 10-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

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.

Geometry A & B:

Grade Level: 10

Duration: 2 Semesters

Prerequisites: Math 8 A & B and Algebra 1 A & B

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Each module comprises ten lessons for a total of 60 lessons in the course.

Semester B

This course builds on the foundation of the first terms in Geometry. As in previous courses, deductive and inductive reasoning are emphasized, while applying problem-solving techniques to real-world problems. Students explore quadrilaterals and circles, and learn how an object is transformed, as well as how to represent that transformation algebraically and geometrically. Students calculate area and volume of 2-dimensional and 3-dimensional objects. Geometry B consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.



UPLIFT COURSE CATALOG



Honors Algebra 1 A & B:

Grade Level: 9

Duration: 2 Semesters

Prerequisites: Math 8

Materials Needed: None

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

In the honors course, students will do in depth study, problem-solving and application of algebraic concepts.

Semester A

Honors 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. Students learn through online lesson materials, videos and interactive activities.

Semester B

Honors 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. Students will interact with course materials through online lessons, videos, interactive questions and real-world applications.

Honors Algebra 2 A & B:

Grade Level: 11-12

Duration: 2 Semesters

Prerequisites: Math 8 A & B and Algebra 1 A & B

This course further extends the learner's understanding of major algebra concepts and prepares them with the building blocks needed to dive deeper into trigonometry, pre-calculus, and advanced probability and statistics. Topics include radicals, quadratic functions and equations, polynomials, rationals, systems of equations and inequalities, exponents and logarithms, sequences and series, probability and statistics and trigonometry. In the honors course, students will do in depth study, problem-solving and application of algebraic concepts.

Geometry A & B

Materials Needed: Calculator

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

This course further extends the learner's understanding of major algebra concepts and prepares them with the building blocks needed to dive deeper into trigonometry, pre-calculus and advanced probability and statistics. Topics include radicals, quadratic functions and equations, polynomials, rationals, systems of equations and inequalities, exponents and logarithms, sequences and series, probability and statistics and trigonometry. In the honors course, students will do in depth study, problem-solving and application of algebraic concepts.

Honors Geometry A & B:

Grade Level: 10

Duration: 2 Semesters

Prerequisites: Math 8 A & B and Algebra 1 A & B



UPLIFT COURSE CATALOG



Materials Needed: None

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

Semester A

Geometry Honors is the study of the measurement of the world, with a focus on application of geometric concepts. 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 real-world applications, the honors 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. Honors students are expected to complete several assignments within each module that demonstrate their knowledge of the applications of geometry.

Semester B

This course builds on the foundation of the first terms in Geometry. As in previous courses, deductive and inductive reasoning are emphasized, while applying problem-solving techniques to real-world problems. Students explore quadrilaterals and circles, and learn how an object is transformed, as well as how to represent that transformation algebraically and geometrically. Students calculate area and volume of 2-dimensional and 3-dimensional objects. Honors students are expected to complete several assignments within each module that demonstrate their knowledge of the applications of geometry.

Pre-Algebra A & B:

Grade Level: 8-12

Duration: 2 Semesters

Prerequisites: Math 7

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems.

Semester B

Pre-Algebra B will continue to move students into the exciting world of the unknown, Algebra. Building on what they have learned in mathematics and Pre-Algebra, students will expand their skills. They will be introduced to increasingly abstract concepts. Pre-Algebra B will provide the student with a concrete understanding of the basics for algebraic thinking. With numerous hands-on activities and demonstration videos, they will have multiple opportunities to enhance their process solving skills. Students will be given different assessment opportunities to demonstrate mastery of each skill. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems.

Pre-Calculus A & B:

Grade Level: 11-12

Duration: 2 Semesters



UPLIFT COURSE CATALOG



Prerequisites: Algebra 2 A & B

Materials Needed: None

Credits Possible: 1.00

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.

Pre-Calculus Part B covers the major units of Introductory Trigonometry and Graphs, Trigonometric Equations and Identities, Analytical Trigonometry, Sequences and Series, Conic Sections and an Introduction to Calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

Physical Education/Health

HS Health:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

In this course, students acquire the knowledge and skills they need to lead a healthy life. 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. Students also learn about some of the more dramatic changes that the human body experiences from birth to death. They explore topics related to aging and sexuality and identify ways to remain healthy and safe throughout life's major events and challenges. The course emphasizes what students can do to improve or maintain their own health and encourages them to be a positive influence on family and friends. Each lesson helps identify ways that students might use what they have learned in the lesson in their own lives.

HS Physical Education:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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.



Science Courses

Advanced Placement® Biology A & B:

Grade Level: 10-12

Duration: 2 Semesters

Prerequisites: Biology A & B, Chemistry A & B, Algebra 1 A & B, and Geometry A & B

Materials Needed:

Campbell Biology, 11th edition Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V Minorsky, Jane B. Reece

Published by Pearson (September 26th 2016) – Copyright © 2017

ISBN-13: 978-0134446417

Princeton Review AP®Biology Premium Prep, 2022

ISBN-10: 0525570543

ISBN-13: 978-0525570547

AP®Biology Lab Kit

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

REQUIRED: In-Person AP®Examination in the Spring

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. The course 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.

Anatomy and Physiology A & B~:

Grade Level: 11-12

Duration: 2 Semesters

Prerequisites: Biology A & B

Materials Needed: None

Credits Possible: 1.00

(~) Only available to students who started this course in or prior to the 20/21SY, not offered in 21/22SY or forward)

Semester A

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.

Semester B

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.



UPLIFT COURSE CATALOG



Biology A & B:

Grade Level: 9

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course.

Semester B

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. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course.

Chemistry A & B:

Grade Level: 10-12

Duration: 2 Semesters

Prerequisites: Biology A & B or Honors Biology A & B and Algebra 1 A & B

Materials Needed: None

Credits Possible: 1.00

Semester A

In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

Semester B



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It follows the Chemistry 1 A course. In Chemistry 1 B, students will investigate chemical bonding, thermochemistry, and acids and bases. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: organic chemistry, biochemistry, and nuclear chemistry. This course will also stress the important relationship between math and science. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

Earth Science A & B:

Grade Level: 10-12

Duration: 2 Semesters

Prerequisites: Pre-Algebra

Materials Needed: None

Credits Possible: 1.00

Semester A

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.

Semester B

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.

Honors Biology A & B:

Grade Level: 9

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

Semester A

The science of biology must begin with cell theory, including the structure, function, and chemistry of the cell. Cells form the primary level of organization of all living things. The chemistry and function of each cell shapes the lifestyle of the organism, from feeding to reproductive patterns. This first course in biology focuses on the life of the cell, dealing with issues of structure, transport, genetics, protein synthesis, energy production, and usage. The tools of science are explained and then focused on the living systems in the cell. In the case of genetics, the molecular behavior of DNA is



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elaborated to show how it determines the visible traits of the organism and population. Thus, you are led on a tour of living systems from the tiniest to the broadest levels of organization. During this tour, you will employ text, computer simulations, videotaped labs, and hands-on investigation to verify each concept and make them relevant to what you see each day. The aim of this course is to guide you, the student, to see your world in biological terms, and then to expand your vision to contemplate current topics in biological research and application.

Semester B: Human Anatomy & Physiology

The study of the human body involves more than just its anatomy, but also entails an understanding of the roles each part plays, how each contributes to the system, and holistic wellness. The basic plan of the course is to examine each of the organ systems, including the skeletal, muscular, integumentary (skin), circulatory, respiratory, immune, digestive, excretory, nervous, sensory, endocrine, and reproductive systems. The regulation and coordination of these systems is what constitutes physiology, which is the major part of the laboratory investigations associated with the course. After completing the course, students will have a foundation for more specialized studies in the health sciences.

Physics A & B:

Grade Level: 11-12

Duration: 2 Semesters

Prerequisites: Chemistry A & B and Algebra 2 A & B

Materials Needed: Graphing Calculator

Credits Possible: 1.00

Semester A

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. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems. Throughout the course, students apply their understanding of physics by playing roles like science museum curator and elementary teacher.

Semester B

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.

Social Studies Courses

Advanced Placement® United States Government and Politics A & B:

Grade Level: 11-12

Duration: 2 Semesters

Prerequisites: B or better United States History and B or better ELA 9

Materials Needed:

American Democracy Now, Fifth Edition, AP®Edition

ISBN-13: 978-0076788279

ISBN-10: 007678827X



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Princeton Review AP®U.S. Government & Politics Premium Prep, 2022

ISBN-10: 0525570764

ISBN-13: 978-0525570769

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

REQUIRED: In-Person AP®Examination in the Spring

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.

Advanced Placement® United States History A & B:

Grade Level: 11-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

The American Pageant 16th Edition, David M. Kennedy, Lizabeth Cohen

ISBN-13: 978-1305075900

ISBN-10: 1305075900

Princeton Review AP®U.S. History Premium Prep, 2022

ISBN-10: 0525570772

ISBN-13: 978-0525570776

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

REQUIRED: In-Person AP®Examination in the Spring

AP®United States History is an intensive full year course divided into two semesters. The course focuses on exploring and analyzing American historical events, individuals and cultural trends. You will be prepared with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. This first semester course covers the time frame of 1492 to 1877, and the second semester course covers the time frame 1878 to present.

This course is designed to prepare students for the Advanced Placement® exam in United States History that is administered by the College Board Educational testing center. The class satisfies the United States History requirement for graduation.

Economics:

Grade Level: 11

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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



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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.

Honors United States History A & B:

Grade Level: 10

Duration: 2 Semesters

Prerequisites: Honors World History A & B or World History A & B

Materials Needed: None

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

Semester A: American Foundation to the 1920s

American History A Honors helps students learn the story of the founding of North America by Europeans in the 1600s. A prevailing theme of the course is that America accomplished tasks that no other country had undertaken before. America broke away from Europe, established its own country with a Constitution that has given freedom to more people than any other country in the world, and settled a country by putting that Constitution into practice. The course ends with a study of America's emergence as a world power at the beginning of the 20th Century. Students will encounter primary and secondary source document investigations, biographies of key individuals, political cartoons, map studies, and period literature.

Semester B: Jazz Age to WWII

American History B Honors begins in the 1920s Jazz Age and ends in the 21st Century. Students will examine economic factors that lead to the Great Depression and World War II. The West's involvement in the Cold War, as well as the fall of the Soviet Union, will be covered in detail. America's rise as a world power is featured. The final unit of the course includes a study of the environment, modern presidential foreign and domestic policies, and the Middle East. Unit 30 includes a lesson designed to help students prepare for the final exam.

Honors World History A & B:

Grade Level: 9

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

Semester A: Civilization to Industrialization

In World History A Honors, students explore ancient civilizations in order to understand the geographic, political, economic, and social characteristics of people. By developing their understanding of the past, students can better



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understand the present and determine their direction for the future. In this course, students explore the first civilization in Mesopotamia; the ancient civilizations of China, Greece, and Rome; the rise of the Byzantine Empire; and the feudal system in Europe and Japan. They also learn about the Renaissance and Reformation, the Enlightenment Period, and the scientific and democratic revolutions in Europe that spread to the new nation of America. The last part of the course concentrates on the Napoleonic Era, the Industrial Revolution in England, and the rise of imperialism in Europe. In addition, historical analysis and current events are featured in the final lessons.

Semester B: Conflicts in Modern Civilization

In this course, students examine the factors leading up to World War I, the rise of nationalism, and the worldwide economic depression. The causes of War II, and the military strategies involved are also analyzed. The advances in modern warfare for both World Wars are a special focus. In addition, students learn about the struggle between the ideologies of democracy and communism as well as the change in the balance of power after World War II in which countries fought for self-rule. An appraisal of the Cold War and the fall of the Soviet Union are included. Later lessons find students exploring the roots of terrorism and the conflicts in the Middle East, Eastern Europe, and Asia. The final unit of the course centers on the new global economy, advances in science and technology, and current environmental issues. Students assess primary and secondary source materials in depth. Projects and class discussions challenge students to predict outcomes, draw conclusions, and make choices based upon critical thinking.

United States History A & B:

Grade Level: 10

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

Semester A: Creation of a Nation

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.

Semester B: Expansion of a Nation

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 the 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.



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United States Government:

Grade Level: 11

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

This course will guide students through an in-depth study of the history, structure, and guiding principles of American government. The first unit will review the origins of government in general and American government in particular—from the earliest models for democracy to the founding documents that created a federalist system of government in the U.S. Several units will help students explore the roles and responsibilities of each branch of government as well as the impact that the Constitution has had and continues to have on the way government works and on the lives of individual Americans. The course's final unit will guide students through a series of projects that require them to apply what they have learned about the American government to an issue that interests them.

World History A & B:

Grade Level: 9

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

Semester A

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.

Semester B

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.

World Language Courses

French 1 A & B~:

Grade Level: 8-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

(~) Only available to students who started this course in or prior to the 20/21SY, not offered in 21/22SY or forward)

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



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authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

French 2 A & B~:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: French 1 A & B

Materials Needed: None

Credits Possible: 1.00

(~) Only available to students who started this course in or prior to the 20/21SY, not offered in 21/22SY or forward)

Semester A

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

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.

German 2 A & B~:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: German 1 A & B

Materials Needed: None

Credits Possible: 1.00

(~) Only available to students who started this course in or prior to the 20/21SY, not offered in 21/22SY or forward)

Semester A

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.

Semester B

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.



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Spanish 1 A & B:

Grade Level: 8-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

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.

Spanish 2 A & B:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: Spanish 1 A & B

Materials Needed: None

Credits Possible: 1.00

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, and 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.

Spanish 3 A & B:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: Spanish 1 A & B and Spanish 2 A & B

Materials Needed: None

Credits Possible: 1.00

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.

High School Elective Courses

Accounting:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50



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In this semester 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.

Advanced Drawing:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: Basic Drawing

Materials Needed:

Drawing pencil set 2H, HB, 2B, 4B, 6B, 8B (preferably woodless)

9×12 multimedia sketch book – 60 sheets

18×24 pastel paper, assorted colors (gray, tan, black, and burnt umber) – 10 sheets

Oil pastels – at least 24-piece set

High quality colored pencils – 36-piece set (recommend Prismacolor brand or similar quality)

Chalk pastels – 24-piece set

High-quality art markers (tombow, Prismacolor, or similar brand) water based or alcohol based – primary colors and flesh tones

1 black fine point Sharpie

1 black ultra-fine point Sharpie

1 kneaded eraser

1 white eraser

1 hand-held pencil sharpener

Optional – Finishing spray for pastels

Optional – Assorted blending stumps and tortillions

Optional – 18×24 portfolio to keep artwork

Optional – toolbox to keep supplies

Credits Possible: 0.50 VPAA

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.

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.

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.

Advanced Placement® Art History A & B:

Grade Level: 11-12

Duration: 2 Semesters



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Prerequisites: high marks in 10th Grade ELA

Materials Needed:

5-subject Notebook **or** 1" or larger Binder with loose leaf paper

Optional - Note Cards/Flash Cards

Optional - Printer Access (pref. color)

Optional - Scissors and Glue

Credits Possible: 1.00

GPA Scale: Weighted 5.0 Scale

REQUIRED: In-Person AP[®] Examination in the Spring

The AP[®] Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history. AP[®] Art History is the equivalent of a two-semester introductory college or university art history survey course.

Art Appreciation:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50 VPAA

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. This survey course does not require art creation, but instead focuses on studying art history and concepts.

Art History:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites:

Materials Needed: None

Credits Possible: 0.50 VPAA

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. This survey course does not require art creation, but instead focuses on studying art history and concepts.

Basic Drawing:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None



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Materials Needed:

- 1 drawing pencil, 2B
- 1 pen black ink
- A good eraser
- 1 white, wax Crayola crayon
- 40 sheets white drawing paper, 9×12
- Optional - 1 bottle white glue
- Optional - 1 round hair brush #10
- Optional - 1 bottle India Ink, black
- Optional - 5 sheets construction paper, 9×12, black
- Optional - 15 sheets grey construction paper, 9×12
- Optional - Gray charcoal paper
- Optional - 2 conté crayons: white, black
- Optional - 2 sheets white watercolor paper (rough, heavy, stiff)
- Optional - 2 sheets rice paper 9 1/2 x12 (soft, translucent)
- Optional - 25 sheets newsprint, 9×12

Credits Possible: 0.50 VPAA

In Drawing, students will experiment with 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 their home and community.

Your work will be your own study of the forms, textures, movements, and patterns of the things that you see everyday. 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.

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.

Beyond fundamental skills are various levels of creativity. Each lesson provides room for expressing the technical skill learned in a unique, creative way.

Basic Web Design:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Software and Materials Needed:

HTML Text Editor (choose one):

TextEdit – For use on Mac – comes with OS

Notepad – For use on Windows – comes with OS

Text – For use on Chromebook – free app download from the Google Store

Image Editing Software (choose one):

Pixlr – <https://pixlr.com/editor/>

(in-browser)

GIMP – <http://www.gimp.org/downloads/>

(downloadable program)

Web Hosting and basic in-browser FTP:

Neocities – <https://www.neocities.org>



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Technical Requirements:

Students will need a computer or laptop for this course; tablets are not sufficient.

Credits Possible: 0.50

In this course, students will learn how to design a beautiful and functional website. Students will learn how to take their design and translate it into a live website using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) programming languages. HTML5 and CSS3 will be the standard versions used in the class. Students will understand design components of websites, including the use of color, layout and when to use different techniques, typography rules, and the importance of imagery. At the conclusion of the course, students will present a website to the class. Upon completion of this course, each student will have hands-on experience creating a fully functioning website.

Students do not need to have a previous technical background with HTML or CSS prior to taking this course.

Beginning Painting:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: Basic Drawing

Materials Needed:

- Chromacryl tube of acrylic paints

- Round brush

- Flat brush

- Watercolor paints (includes brush)

- Set of markers

- Painting paper (The pad of paper may be labeled watercolor paper. Please use it for all paintings, including acrylic.)

- Newsprint paper (This paper is for sketches and testing paints. Do not use it for painting projects.)

- 1-4b pencil

- 7 project cardstock pages

Credits Possible: 0.50 VPAA

This course introduces students to classical and contemporary painting, techniques and concepts, with emphasis on the understanding of its formal language and the fundamentals of artistic expression. Painting from still life, landscape, and life models from observation will be geared towards realism; at the same time, various other painting styles could be explored. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will all be emphasized. Students will study and research major painting styles and movements in historical context. The hope is that students will use this global approach to develop a "critical eye" in evaluation of contemporary painting. Acrylic and watercolors are the mediums used in this class. The main emphasis of this course is to encourage and nourish individuality and creativity.

Business Law:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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 course, they will also gain an understanding from



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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.

Career Planning:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

The 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.

Carpentry (CE):

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

(CE) Courses taught through CertifyEd

This competency-based course provides the students with a solid foundation in carpentry. Students will engage in virtual reality and interactive videos designed to teach students how to use basic measuring tools, hand tools and machines commonly used in carpentry, to construct basic projects. Additionally, students will examine various wood construction materials and their properties. Throughout the course, students will learn components of site and personal safety, and how to interpret detailed drawings used for construction. Upon completion of this course, the students will be equipped with work-related knowledge and the skills necessary for careers in carpentry, a digital badge in Carpentry, and will be better prepared for the Carpentry Certification Exam.

Digital Media:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed:

Camera

Audacity

GIMP

Inkscape

DaVinci Resolve (free version)

Pencil2D

Blender

GDevelop



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Piskel

Optional - Printer

Optional - Scanner

Credits Possible: 0.50 VPAA

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 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. **Note: To be successful, students must be willing to record themselves on audio and video to fully complete the projects and the course.**

Digital Photography A:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed:

Digital camera - could be a DSLR, point and shoot, or smartphone

Credits Possible: 0.50 VPAA

Understanding the tools available opens the possibilities to create images with impact. In Digital Photography, students will study the history of photography as well as the basic operation of a digital camera. As they are introduced to different styles of photography and photographers, students will begin to develop artistic skills as well as their own voice through their photographs.

Digital Photography B:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: Digital Photography A

Materials Needed:

DSLR manual style camera

Tripod

Optional - reflector

Optional - telephoto lens

Credits Possible: 0.50 VPAA

This continuation of Digital Photography will allow students with high interest in photography to apply the general concepts learned in Digital Photography A while working towards mastering the use of manual camera settings. We will look at more advanced photography techniques.

Financial Literacy:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50



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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.

First Aid:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

Graphic Design:

Grade Level: 10-12

Duration: 1 Semester

Prerequisites: None

Software Needed (Choose One):

Optional - Adobe Illustrator (there is a cost associated, Mac OS X, Windows)

Optional - Adobe Photoshop (there is a cost associated, Mac OS X, Windows)

GIMP (free downloadable, Mac OS X, Windows, GNU/Linux)

Pixlr (free browser-based program, Mac OS X, Windows, GNU/Linux, Chrome OS)

Optional Materials (all work can be completed digitally):

triangle

Exacto knife

markers

pencil

good paper notepad

colored pencils

dotted line paper

glue stick

ruler

Credits Possible: 0.50 VPAA

Graphic Design is an introduction to elements of design, spatial relationships, typography and imagery as they apply to practical visual solutions for self-promotion, resumes, logo design, Web design, and sequential systems. In this course, the student explores the basic foundations of design through a series of visual projects that explore the principles and elements of design. Students will work both with analog and digital media as they explore two-dimensional and three-dimensional design along with color theory. This course will help develop and explore a student's ability to communicate visually.

In each lesson students acquire new skills, which take some effort. Beyond fundamental skills are various levels of creativity. Each lesson provides room for a student to express the technical skill learned in his or her own creative way.



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Health Careers:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

In this course, students explore a variety of career options related to the healthcare 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.

HS Character Education:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

This course teaches students practical skills for understanding and managing their emotions, setting goals and getting organized, understanding and getting along with others in our diverse world, and making good decisions. Research shows that people who practice these skills have greater academic achievement as students and experience more success and satisfaction as adults.

HS Computer Basics:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations.

Introduction to Business:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

This course introduces students to the basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.



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Introduction to Culinary Arts (CE):

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

(CE) Courses taught through CertifyEd

This competency-based course provides an overview of the basic culinary fundamentals and standard practices leading into a career pathway to Culinary Arts. In this course, students will learn culinary techniques,

such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on identifying and preparing a variety of foods and recipes, as well as mastering conversions through the use of proper scaling and measurement techniques. Using virtual reality, students will prepare standard recipes while effectively managing time, accurately measuring ingredients, and appropriately using kitchen equipment. Food safety and sanitation techniques will align to industry-recognized certifications. Upon completion of this course, students will be equipped with the knowledge and skills to earn a digital badge in Culinary Arts, and will be better prepared for the certification exam.

Introduction to Nursing Assistant (CE):

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

(CE) Courses taught through CertifyEd

This competency-based course is designed to prepare students with knowledge of the basic nursing assistant skills which are necessary to assess, plan, provide, and evaluate care to patients in various healthcare settings. Students will engage with interactive videos, while learning about infection control, personal care skills, mental health needs, and legal responsibilities. Using virtual reality, students will learn how to obtain and record standard vital signs, identify basic body parts, demonstrate wheelchair assistance and ambulation, and perform a modified bed bath. Upon completion of this course, students will be equipped with the knowledge and skills to earn a digital badge as a Nursing Assistant, and will be better prepared for the certification exam. Ultimately, this course is designed to provide students with a competitive edge for entry into the healthcare global marketplace.

Media & Communication:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.



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Medicine:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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, 10-unit course examines such topics as infectious diseases, cancer, traumatic injuries, and healthcare career opportunities.

Nutrition:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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.

Personal Fitness:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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 cardiovascular 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.

Psychology:

Grade Level: 10-12

Duration: 1 Semester

Prerequisites: English 9 A & B



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Materials Needed: None

Credits Possible: 0.50

Semester 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 the 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.

Semester 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.

Sociology:

Grade Level: 10-12

Duration: 1 Semester

Prerequisites: English 9 A & B

Materials Needed:

“The House on Mango Street” by Sandra Cisneros

Credits Possible: 0.50

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.

Study Skills & Strategies:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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.

Vib’N:

Grade Level: 10-12

Duration: 1 Semester



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Prerequisites: None

Materials Needed: None

Credits Possible: 0.50 Credit/No Credit

This course is designed to provide you with the skills you will need to succeed in life outside of school. The topics that will be covered throughout the semester include: the importance of understanding your purpose, discovering your individual strengths and opportunities, how to overcome failure and the secret behind resiliency, why there is value in helping others and building professional relationships. You will connect with instructors, mentors and your peers virtually through activities, and discussions. You will also meet professionals across various creative industries who have different perspectives and journeys. Upon completion of this course, students will build on their self-esteem, confidence and emotional intelligence. Explore different career opportunities, learn how to communicate and develop their ideas creatively. This course will help prepare students with soft skills and the mindset to define success on their terms.

To sign-up you must be in need of an elective credit towards Graduation and have room in your schedule, per your Graduation plan. Participants are required to:

- Attend LIVE once per week (sessions are not recorded and must be attended live)
- Complete all assignments and projects associated with the course
- Complete all 5 phases
- Complete a weekly check-in assessment within Accelerate

Note: If you miss 3 sessions and/or don't complete the above requirements you will be removed from the course and a new course, of our counselors' choosing, will be assigned in its place.

Welding (CE):

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

(CE) Courses taught through CertifyEd

This competency-based course is designed to provide students with knowledge of the basic manufacturing processes, properties of metals, and safe operating skills needed to demonstrate use of equipment in oxyfuel, shielded metal arc welding (SMAW), and gas metal arc welding (GMAW). The students will use virtual reality to perform oxy fuel cuts, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and Gas Tungsten Arc Welding (GTAW). The students will perform welds using SMAW and GMAW to current industry standards. Welding symbols will be used to interpret detailed drawings used for fabrication. Upon completion of this course, the students will be equipped with work-related knowledge and the skills necessary for careers in welding, a digital badge in welding, and will be better prepared for the Welding Certification Exam.

High School Credit Recovery Courses

ELA 9 A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: None



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Materials Needed:

Required Novels (choose one per semester):

Semester A

The Old Man and the Sea
Of Mice and Men
To Kill A Mockingbird
House on Mango Street

Semester B

Fahrenheit 451
The Odyssey
Ender's Game
Speak
Romeo and Juliet

Credits Possible: 1.00

Semester A

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. Speaking and listening lessons in Semester A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B

Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature and on comparative studies of world literature and literature delivered in different media. Writing and informational text lessons guide students through the stages of research and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

ELA 10 A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: ELA 9 A & B

Materials Needed:

Required Novels (choose one per semester):

Catcher in the Rye
Animal Farm
Night
The Bean Trees
All Quiet on the Western Front
Lord of the Flies
Twelfth Night
Farewell to Manzanar
Antigone

Credits Possible: 1.00



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Semester A

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. Speaking and listening lessons in Semester A cover collaborative discussion skills, the peer review process, and how to plan and deliver informative speeches and presentations. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B

Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature as well as the evaluation of various modes and forms of writing. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

ELA 11 A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: ELA 9 A & B and ELA 10 A & B

Materials Needed:

Required Novels:

Semester A

The Scarlet Letter

Semester B

The Great Gatsby

Credits Possible: 1.00

Semester A

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.

Writing modes addressed in Semester A of this course include narrative, reflective, persuasive, and analytical modes. Assignments emphasize the use of details, evidence, and reasoning to support ideas; writing lessons include model essays that demonstrate key features of each mode. The speaking and listening lessons in Semester A cover rhetoric, the peer review or writing workshop process, and performance skills. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

Semester B



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Semester B of English 11 consists of units focused on historical eras and literary movements of the 20th and 21st century, such as Naturalism, Imagism, the Harlem Renaissance, and Postmodernism. Literature analysis lessons in semester B focus on the forms of literature that were most commonly written during the Twentieth Century and how the forms, styles, and techniques of that century inform literature written today. Students will also evaluate various modes and forms of language expression, including single media and multimedia messages. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

ELA 12 A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: ELA 9 A & B, ELA 10 A & B, and ELA 11 A & B

Materials Needed:

Novels:

1984

Catcher in the Rye

Cry The Beloved Country

Jane Eyre

The Five People You Meet in Heaven

The Kite Runner

Things They Carried

Credits Possible: 1.00

Students examine major works of literature organized into thematic units. Each unit contains poetry, short stories, and a novel that revolves 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.

Algebra 1 A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Students learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have learned.

Teacher feedback is provided throughout the semester.

Semester B

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.



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Students will interact with course materials through online lessons, videos, interactive questions and real-world applications.

Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project. Teacher feedback is given throughout the course.

Algebra 2 A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: Algebra 1 A & B

Materials Needed: Graphing Calculator

Credits Possible: 1.00

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.

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.

Consumer Math A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

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.

Geometry A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: Algebra 1 A & B

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Each module comprises ten lessons for a total of 60 lessons in the course.

Semester B



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This course builds on the foundation of the first terms in Geometry. As in previous courses, deductive and inductive reasoning are emphasized, while applying problem-solving techniques to real-world problems. Students explore quadrilaterals and circles, and learn how an object is transformed, as well as how to represent that transformation algebraically and geometrically. Students calculate area and volume of 2-dimensional and 3-dimensional objects. Geometry B consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.

Health Credit Recovery:

Grade Level: 9-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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.

Biology A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course.

Semester B

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



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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. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course.

Chemistry A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: Biology A & B and Algebra 1 A & B

Materials Needed: None

Credits Possible: 1.00

Semester A

In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

Semester B

It follows the Chemistry 1 A course. In Chemistry 1 B, students will investigate chemical bonding, thermochemistry, and acids and bases. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: organic chemistry, biochemistry, and nuclear chemistry. This course will also stress the important relationship between math and science. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

Earth Science A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

Uninflated round balloon

Permanent marker

50 small candies that have letters on one side of them (like M&Ms or Skittles)

A small zipper seal plastic bag

Two kitchen mixing bowls

Ice cubes

Water

A permanent marker

A block of wood

A pair of pliers

A pair of needle-nose tweezers

A slotted spoon

A drinking straw

Sunflower seeds in the shell

Colored water



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- A long narrow vase
- Rice grains
- Small block of Styrofoam
- 3 or 4 large marshmallows
- A teaspoon of herbs (any kind will do, like basil or parsley)

Credits Possible: 1.00

Semester A

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.

Semester B

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.

Physics A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: Algebra 2 A & B and Chemistry A & B

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems. Throughout the course, students apply their understanding of physics by playing roles like science museum curator and elementary teacher.

Semester B

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.



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Economics Credit Recovery:

Grade Level: 11-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

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.

United States Government Credit Recovery:

Grade Level: 11-12

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Credits Possible: 0.50

This course will guide students through an in-depth study of the history, structure, and guiding principles of American government. The first unit will review the origins of government in general and American government in particular—from the earliest models for democracy to the founding documents that created a federalist system of government in the U.S. Several units will help students explore the roles and responsibilities of each branch of government as well as the impact that the Constitution has had and continues to have on the way government works and on the lives of individual Americans. The course's final unit will guide students through a series of projects that require them to apply what they have learned about the American government to an issue that interests them.

United States History A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: World History A & B

Materials Needed: None

Credits Possible: 1.00

Semester A: Creation of a Nation



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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.

Semester B: Expansion of a Nation

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 the 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.

World History A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

Semester A

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.

Semester B

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.

Spanish 1 A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None



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Credits Possible: 1.00

Semester A

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.

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.

Spanish 2 A & B Credit Recovery:

Grade Level: 9-12

Duration: 2 Semesters

Prerequisites: Spanish 1 A & B

Materials Needed: None

Credits Possible: 1.00

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, and 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.

Middle School Offerings -

English Courses

ELA 6 A & B:

Grade Level: 6

Duration: 2 Semesters

Prerequisites: ELA 5 A & B

Materials Needed:

Required Books:

Seedfolks

The Giver

Esperanza Rising

Flying Lessons and Other Stories

Optional Novels (Choose 1):

Walk Two Moons

The Westing Game

Freak the Mighty

True Confessions of Charlotte Doyle

Semester A

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



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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. Opportunities for teacher feedback are frequent, detailed, and varied.

Semester B

The second semester of Language Arts 6 builds on the skills and concepts introduced in the first semester. Students tackle more difficult texts in Semester B and apply more advanced analysis skills to reading and writing tasks. They also study some of the more subtle aspects of language, such as the role of connotation and nuance in an author's word choices and how those choices affect readers. Reading assignments are selected, in part, to provide models for students' own writing in specific modes, forms, or genres. Several lessons demonstrate methods of sharing and publishing writing using 21st century technology.

ELA 7 A & B:

Grade Level: 7

Duration: 2 Semesters

Prerequisites: ELA 6 A & B

Materials Needed:

Required Anthology:

Poetry Speaks Who I Am

ISBN-10: 1402210744

ISBN-13: 978-1402210747

Required Novels:

Julie of the Wolves by Jean Craighead George (Semester A)

The Outsiders by S.E. Hinton (Semester B)

Optional Novels (Choose 2):

A Day No Pigs Would Die by Robert Peck

Where the Red Fern Grows by Wilson Rawls

Nothing but the Truth by Avi

The Cay by Theodore Taylor

A Christmas Carol by Charles Dickens

Semester A

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. Opportunities for teacher feedback are frequent, detailed, and varied.

Semester B

The second semester of Language Arts 7 builds on the skills and concepts introduced in the first semester. Students tackle more difficult texts and themes in Semester B, and the level of analysis demonstrated and required is more in-depth. In this part of the course, students study the English language closely—both its history and evolution, and the less obvious ways it can be used to convey meaning. The reading assignments are selected to guide students in understanding how language can be used to convey broader themes in poetry, drama, and humorous or satirical texts. Students continue to develop their writing skills through multi-draft assignments and projects. Emphasis in this semester is on recognizing the multiple levels of meaning that any word or phrase might convey, and in writing one's own texts with these concepts in mind.



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ELA 8 A & B:

Grade Level: 8

Duration: 2 Semesters

Prerequisites: ELA 7 A & B

Materials Needed:

Required Anthology:

Poetry Speaks Who I Am

ISBN-10: 1402210744

ISBN-13: 978-1402210747

Required Novels:

Roll of Thunder, Hear My Cry by Mildred Taylor

The Diary of a Young Girl: The Definitive Edition by Anne Frank

ISBN-10 : 0553577123

ISBN-13 : 978-0553577129

Optional Novels (Choose 2):

The Pearl by John Steinbeck

My Brother Sam Is Dead by Christopher Collier

Across Five Aprils by Irene Hunt

The Ox-Box Incident by Walter Van Tilburg Clark

That Was Then, This Is Now by S. E. Hinton

Semester A

During the first semester of this year-long course, students will read and analyze various kinds of written texts, including 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.

Semester B

In Semester B, students will examine the role of historical autobiographies and diaries in our understanding of history. In the process, they'll study the impact of point of view on nonfiction texts. Students will be given opportunities to write autobiographical narratives of their own and then asked to connect their experiences to universal themes or philosophical positions, which they explore through writing about them. In the second half of the semester, students will study the relationship between poetic expression and several conventions of language, including syntax, voice, sentence types, and punctuation. Next, they will explore the nature of creativity, the processes that tend to produce good literature, and the features of experimental and multi-genre forms of fiction. Near the end of the semester, students will reflect on their own growth and development throughout the year, compiling a portfolio that illustrates the progress they've made. Finally, students will consider what high school will ask of them and how they might fulfill those expectations, having gained a better understanding of their strengths as well as areas ripe for continued learning and progress.



Math Courses

Algebra 1 A & B:

Grade Level: 8-9

Duration: 2 Semesters

Prerequisites: Math 8

Materials Needed: None

Credits Possible: 1.00

Semester A

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. Students learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have learned.

Semester B

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.

Students will interact with course materials through online lessons, videos, interactive questions and real-world applications.

Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project. Teacher feedback is given throughout the course.

Math 6 A & B:

Grade Level: 6

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Semester A

Students begin the first semester of this course with a review of basic addition, subtraction, multiplication and division of whole numbers. More complex concepts are built on these basics. Students learn how to add, subtract, multiply and divide integers, decimals and fractions. The course also includes lessons on ratios and proportions.

Semester B

The second semester of Math 6 introduces students to the order of operations and how to use them in solving application problems. Building on these concepts, students are then introduced to the basics of algebra and algebraic expressions. Students then learn how to apply these problem-solving skills to percents and solving single and multiple step equations. An exploration of Geometry, probability and statistics concludes the second semester.

Math 7 A & B:

Grade Level: 7

Duration: 2 Semesters

Prerequisites: Math 6 A & B

Materials Needed: None

Semester A



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In this first semester, 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.

Semester B

In this 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 8 A & B:

Grade Level: 8

Duration: 2 Semesters

Prerequisites: Math 7 A & B

Materials Needed: None

Semester A

The first semester of Math 8 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.

Semester B

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.

Science Courses

Integrated Science 6 A & B:

Grade Level: 6

Duration: 2 Semesters

Prerequisites: Science 5 A & B

Materials Needed: None

Science 6 A covers a combination of earth & space science and physical science topics. This course covers concepts of the scientific method, forces and gravity, and an in-depth coverage of the stars, the Earth, the Moon, and the structure of our Solar System. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring

Science 6 B contains topics of life science, earth & space science, and physical science. It covers topics of ecosystems, energy flow in life systems, plants, energy types (kinetic, potential), resources, and heat. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring.

Integrated Science 7 A & B:

Grade Level: 7

Duration: 2 Semesters

Prerequisites: Science 6 A & B

Materials Needed: None



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Science 7 A covers topics mostly in physical science. The course covers topics of the nature of science, waves and sound, light, lenses, and electricity. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring.

Science 7 B covers topics in both physical science and life science. The course covers topics in matter and chemical reactions, cells, and the body systems in the human body. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring.

Integrated Science 8 A & B:

Grade Level: 8

Duration: 2 Semesters

Prerequisites: Science 7 A & B

Materials Needed: None

Science 8 A covers topics in Physical Science and Earth & Space Science. The course covers topics in the scientific method, the history of science, simple, complex, and modern machines, Earth's history and structure, as well as air, climate, weather, and water. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring.

Science 8 B covers topics in Life Science, Earth Science, and Physical Science. The course covers topics reproduction, heredity, evolution, the classification of living things, invertebrates & vertebrates, pollution, and the human impact on populations.. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring.

Social Studies Courses

Social Studies 6 A & B:

Grade Level: 6

Duration: 2 Semesters

Prerequisites: Social Studies 5

Materials Needed: None

Semester A

The first semester of Social Studies 6 introduces students to how geographers study the Earth and look at global problems. This course will help students know how to read and use maps (including apps like Google Earth/Google Maps), assess the opportunities and challenges that are presented by the physical features of the Earth, understand how humans interact with their environment, and will provide them with tools to analyze population patterns and trends. Current events will be emphasized throughout to show students direct applications of what they are studying to what is happening in the modern world.

Semester B

The second semester of Social Studies 6 focuses on human geography, or the contributions that human beings make to the Earth. In this semester we will trace the movement of people within countries and between countries, what components make up a person's culture and how cultures can shift and change. Students will study both governments and economies using current events and case studies of modern countries to learn about how humans set up these systems. Finally, students will participate in a cross-curricular project to synthesize their learning.

Social Studies 7 A & B:

Grade Level: 7

Duration: 2 Semesters



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Prerequisites: Social Studies 6

Materials Needed: None

Semester A

The first semester of 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.

Semester B

In the second semester of Social Studies 7, students will continue to examine ancient civilizations and their cultures. In this semester we will continue to trace the path of human civilization from the Mediterranean through the Eastern world. An emphasis will be placed on critical thinking and connecting themes in history to our modern world.

Social Studies 8 A & B:

Grade Level: 8

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Semester A

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.

Semester B

This course is a continuation of the first semester with an emphasis on how historical ideas, events, and philosophies have shaped the United States. Beginning with Reconstruction, this course uses the same skill development approach to guide students through U.S. history to the present.

World Language Courses

Spanish 1 A & B:

Grade Level: 8-12

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Credits Possible: 1.00

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.



Middle School Elective Courses

Art 1:

Grade Level: 6-8

Duration: 1 Semester

Prerequisites: None

Materials Needed: Blank paper & #2 pencil

This course introduces students to the elements of art. Students will explore a variety of artists to support their understanding of the elements. They will also complete multiple projects to demonstrate understanding while practicing visual problem solving skills and self-reflection. Each module incorporates at least one arts career for students to explore. Digital options are provided for most lessons, and only blank paper and a #2 pencil are required. Use of addition, physical art supplies are at student/family discretion.

Art 2:

Grade Level: 6-8

Duration: 1 Semester

Prerequisites: Art 1 or similar coursework

Materials Needed: Blank paper & #2 pencil None

This course builds knowledge of the elements of art and introduces students to the principles of art. Students will explore a variety of artists to support their understanding of the principles. They will also complete multiple projects to demonstrate understanding while practicing visual problem solving skills and self-reflection. Each module incorporates at least one arts career for students to explore. Digital options are provided for most lessons, and only blank paper and a #2 pencil are required. Use of addition, physical art supplies are at student/family discretion.

MS Character Education:

Grade Level: 6-8

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

This course teaches students practical skills for understanding and managing their emotions, setting goals and getting organized, understanding and getting along with others in our diverse world, and making good decisions. Research shows that people who practice these skills have greater academic achievement as students and experience more success and satisfaction as adults.

MS Computer Basics:

Grade Level: 6-8

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations.

MS Keyboarding:

Grade Level: 6-8



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Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Technical Requirements:

Students will need a computer or laptop for this course; tablets are not sufficient.

The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.

MS Physical Education 1:

Grade Level: 6-8

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

In this one-semester course, students will learn the importance of daily physical activity. Students will explore various activities in the areas of rhythmic movements, cardio fitness, individual and team sports. Daily physical activity is required.

MS Physical Education 2:

Grade Level: 6-8

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

In this one-semester course, students will explore different life-long physical activities. This course focuses on physical fitness and life skills needed to stay active.

MS Study Skills:

Grade Level: 6-8

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

In this one-semester course, students will improve their study skills such as time management, note-taking, test-taking, and more in this course.

Elementary School Offerings -

Kindergarten Courses

ELA 0K A & B:

Grade Level: 0 (Kindergarten)

Duration: 2 Semesters

Prerequisites: None



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Materials Needed:

[Basic School Supplies](#)

[Kindergarten Materials Kit](#)

This Kindergarten Language Arts course will teach students to identify and write all letters, produce letter sounds and also frequently used phonograms. Students will also master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core K LA standards are met in this course.

Math 0K A & B:

Grade Level: 0 (Kindergarten)

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

- 78 beans or counters
- Empty egg carton
- Chalk
- 45 mini marshmallows
- Hole punch
- Scissors
- Yarn
- Tape
- Buttons, beads
- Pipe cleaner
- Finger paints

[Basic School Supplies](#)

[Kindergarten Materials Kit](#)

Semester A

During the first semester students will learn foundational math facts. They will learn to count to 12, how to compare sizes, ordinal numbers putting items in order, what a number line is and its uses, basic measurements such as inches and feet, and how to tell time on digital and analog clocks.

Students will have many opportunities to practice these new concepts by interacting with online confirmation exercises and filling out worksheets offline.

A special emphasis this semester is for students to have fun with numbers, finding success with concepts such as bigger and smaller and being comfortable in an online environment.

Semester B

Students learn to count to twenty. They work by comparing objects using the terms tall, longer, and shorter as well as comparing two objects using the terms lighter and heavier. They will continue their exploration of basic geometric shapes such as cones and spheres. They will work with the concept of first, middle, and last.

Arranging and sorting receive special emphasis this semester. Students will also work on writing numbers with 3, 4, and 5 given special attention. Students will learn the concepts of left and right. Coins are also a focus as students will count pennies, nickels and dimes. Finally, the number 7 is studied using the colors of the rainbow.

Projects include making paper fingers and thumbs and creating designs with them. They will also make the numbers 1-10 out of dough.

Science 0K A & B:

Grade Level: 0 (Kindergarten)

Duration: 2 Semesters



UPLIFT COURSE CATALOG



Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Kindergarten Materials Kit](#)

Semester A

In Kindergarten Science, students in this course will use their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring varying concepts.

Semester B

Students in this course will continue using their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring varying concepts.

Social Studies 0K A & B:

Grade Level: 0 (Kindergarten)

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

Ruler

Colored pencils or crayons

Yarn

Hole punch

Construction Paper

Glue

Shoebox or other box

Play dough or clay

Books:

“The Zax”, By Dr. Seuss (optional)

[Basic School Supplies](#)

[Kindergarten Materials Kit](#)

Semester A

This course introduces students to their place in the community and the responsibilities of being a member of society. Great figures of U.S. history such as Pocahontas, George Washington and Abraham Lincoln are a focus of learning in this semester.

Students will also learn about everyday heroes, the responsibilities of pet ownership, the importance of rules, table manners, and eating well.

A skill that students will practice throughout the semester is retelling stories. Students may do this by recording audio, retelling the stories orally, or writing their observations. They will learn how to use details and basics of narratives.

Projects will help students think about what pets need and defining emotions.

Semester B

In the second semester students are introduced to map reading skills. They will be taught to read maps of the U.S. and the world. From learning about location to how water is represented to floor plans, students are introduced to map skills that will last a lifetime.

Students will also learn about symbols of the U.S. such as the American flag and the eagle. From there students learn about holidays with a particular focus on Thanksgiving.

Another focus is on currency. They will be introduced to what money is, how money can be spent, the power of buying locally, and the difference between wants and needs.

Projects will include a piece on distinguishing facts from fiction, buying locally, and focusing on the differences between needs and wants.



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Art OK A & B:

Grade Level: 0 (Kindergarten)

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Kindergarten Arts & Crafts Materials List](#)

Semester A

This course provides a foundation for children's inherent artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to lines, circles, recognizing and using shapes, creating a collage and concepts such as symmetry.

Young artists will also explore a variety of media such as pastels, watercolors, crayons, tempera, and pencil drawing. A particular emphasis on this course is on creating works of art. In this semester students will work with clay, draw with pastels, make fingerprint flowers, draw barns and animals using shapes and recognize lines using the student's name.

Semester B

Emphasis in the second semester students will be placed on applying what the students have learned to make more detailed works of art.

Among the projects this semester students will be creating a bird feeder, make pig puppets, craft paper flowers, make potpourri, craft a heart collage, construct a wind chime, and press flowers.

Health OK:

Grade Level: 0 (Kindergarten)

Duration: 1 Semester

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

Elementary Health K helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, communication, disease prevention, basic anatomy and physiology, and values of cooperation and teamwork.

Physical Education OK:

Grade Level: 0 (Kindergarten)

Duration: 1 Semester

Prerequisites: None

Materials Needed:

Heart Rate Monitor

SPRI Resistance Tubing Kit

Elementary PE K helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include exercise safety, making healthy choices, nutrition, the benefits, components, and principles of fitness, basic anatomy and physiology, and values of cooperation and teamwork. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity



1st Grade Courses

ELA 1 A & B:

Grade Level: 1

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[First Grade Materials List](#)

This First Grade Language Arts course will teach students to identify and write all letters, produce letter sounds and also frequently used phonograms. Students will also master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core 1 LA standards are met in this course.

Math 1 A & B:

Grade Level: 1

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

10 blocks or stackable objects

100 Counters (such as beans, pennies, etc.)

30 counters (beans)

Ruler (in inches)

Uncooked rice

Various size containers and bowls (8)

Masking tape (optional)

Coins (pennies, nickels, dimes, quarters, dollars)

Optional – Jump rope

Optional – Rhythm instruments (bells, tambourine, sticks, or drum)

Optional – String

[Basic School Supplies](#)

[First Grade Materials List](#)

Semester A

During the first semester students will build fluency with basic math facts. They will learn to count to 100, basic addition and subtraction facts, and how to add double-digit numbers. Students will be introduced to such new concepts as word problems, Venn diagrams, and basic geometric concepts.

There is an emphasis on learning practical skills such as reading thermometers, looking at maps, and understanding the value of coins.

Students will have multiple opportunities to practice new skills and knowledge through using integrated online practice problems.

Semester B

During the second semester students will begin counting by twos, fives, and tens. They will learn both vertical addition and subtraction. Students are introduced to multiplication and division and the signs used in those operations. They will also study even and odd numbers.

Students continue their exploration of geometric shapes through drawing and apply what they learn about shapes by sorting various figures in Venn diagrams. They will also use a balance beam to understand the concept of weight – lighter versus heavier.



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As in semester A, students will have multiple opportunities to practice new skills and knowledge through using integrated online practice problems.

Science 1 A & B:

Grade Level: 1

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[First Grade Materials List](#)

Semester A

In First Grade Science, students in this course will complete projects that are designed to allow for exploration and discovery.

Semester B

Students in this course will complete projects that are designed to allow for exploration and discovery.

Social Studies 1 A & B:

Grade Level: 1

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

Ruler

Colored pencils or crayons

Yarn

Hole puncher

12 large pieces of paper, legal size is best Poster board

Crayons

[Basic School Supplies](#)

[First Grade Materials List](#)

Semester A

In this semester, students begin to explore basic fundamentals of social studies including map skills, cardinal directions, introductory economics, and family traditions. .

Semester B

The second semester focuses on studying the events and people of the past and discovering what it means to be a citizen.

Art 1 A & B:

Grade Level: 1

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[1st Grade Arts & Crafts Materials List](#)

Semester A



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This course provides a foundation for children's inherent artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to primary colors, the color wheel, shapes such as lines and circles, and concepts such as symmetry.

Semester B

Emphasis in the second semester students will be placed on applying what the students have learned to make more detailed works of art.

Health 1:

Grade Level: 1

Duration: 1 Semester

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

Elementary Health 1 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, communication, disease prevention, basic anatomy and physiology, and values of cooperation and teamwork.

Physical Education 1:

Grade Level: 1

Duration: 1 Semester

Prerequisites: None

Materials Needed:

Heart Rate Monitor

SPRI Resistance Tubing Kit

Elementary PE 1 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include exercise safety, making healthy choices, nutrition, the benefits, components, and principles of fitness, basic anatomy and physiology, and values of cooperation and teamwork. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity

2nd Grade Courses

ELA 2 A & B:

Grade Level: 2

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Second Grade Materials](#)

The 2nd Grade Language Arts course will teach students to spell and write vocabulary, read more fluently, apply grammar concepts, and participate in handwriting and writing activities through thematic units. Students will also continue to master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core 2 LA standards are met in this course.



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Math 2 A & B:

Grade Level: 2

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Second Grade Materials](#)

Semester A

During the first semester students will build fluency with basic math facts and add and subtract within 100 to solve word problems using strategic methods. Students will also manipulate numbers to 1000 using knowledge of hundreds, tens, and ones. Lastly, students will demonstrate arrays with repeated addition.

Semester B

During the second semester students will use place value to add and subtract within 1000. They will use place value to estimate and solve word problems to demonstrate skills. Students will measure and compare length and represent it on a number line. They will work with money and time to compare values. Students will collect data and represent it on graphs to discuss it. Lastly, they will recognize common 2 dimensional and 3 dimensional shapes by specific characteristics.

Science 2 A & B:

Grade Level: 2

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Second Grade Materials](#)

Semester A

Second Grade Science introduces students to the process of observation and how important it is to the study of science. Learners will identify their five senses and why they are critical to observation. Students will use these observation skills throughout the course as they examine many different types of animals and their environments. Students begin by observing ants in their own environments and continue onto learning the different types of birds. Students will come to understand plant and animal rhythms and will perform small experiments with plants. Stories will be used to teach the students about nature and interactions that humans have with nature. They will continue to learn about animals and their characteristics, habitats, and needs. Students will learn through video, audio stories, hands-on participation and observation with nature. The teachers will conduct live assessments for the topics that had been covered throughout the week's lessons. Grade 2 Science provides students with the opportunity to expand their minds and see for themselves the way that animals and nature are a part of their everyday lives.

Semester B

Semester B of Second Grade Science begins with the students learning the characteristics of the Weaverbird and Swiftlet bird. Learners will come to understand the different groupings of animals including those with vertebrates, invertebrates and warm and cold blooded animals, carnivores, herbivores and omnivores. Learners will be asked to recall the five senses that they discussed at the beginning of the course and compare them to the senses of animals. They will also learn how animals communicate and the relationship between animals and humans. The course ends with the students taking a closer look at the characteristics of reptiles, insects, birds of prey, and fish. At the close of the course students will have a deeper understanding and appreciation of animals and their habitats.



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Social Studies 2 A & B:

Grade Level: 2

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Second Grade Materials](#)

Semester A

In second grade, students in this course will begin to explore the basic fundamentals of social studies including culture, geography, and economics. Students will explore the Ancient Cultures of China, Africa, and the Celts. Students will explore these cultures through ancient folk tales and fables. Learners will create a photo book that describes the significant events in their own life. They will also examine the importance of geography and direction. Students will learn how to locate boundaries while using a world map. Students will identify the places that were discussed in the previous lessons including Africa, China, and the British Isles. They will develop a rudimentary understanding of map symbols as they locate continents, the equator, and oceans. Students will also learn to identify on a road map where they live, rivers, mountain ranges and lakes nearby their homes. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos.

Semester B

The second semester begins by introducing learners to economics and the role that money plays in every civilization. They will take a closer look at the economy of the Celtic people. Students learn the difference between natural, human, and capital resources. Learners will begin to understand the exchange of money for goods and services. They will gain a basic understanding of what scarcity is and why it is good that we do not always get everything that we want. Students will understand these concepts by drawing upon their understanding of the desires/wishes in their own lives. Students will also learn about desirable human qualities through the use of fables such as "The Boy Who Cried Wolf." Learners will look at individuals who have made a difference in the greater community. Students will learn about Rosa Parks and Susan B. Anthony through short stories. The end of the course asks learners to examine the diversity of the community they live in. They will be asked to recognize the different types of people around them. Students should gain an appreciation for the differences around them and how having respect for others and being honest will contribute to society as a whole. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos.

Art 2 A & B:

Grade Level: 2

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[2nd Grade Arts & Crafts Materials List](#)

Semester A

Art provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop what they already know as a source of knowledge and creativity. Art offers the student an opportunity to express feelings and emotions in their drawings and with color. Arts and Crafts promote self-esteem and self-awareness as it enhances personal fulfillment. Children have a wonderful imagination that, if encouraged, will be needed throughout their life. This course provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. Learners will begin the course by creating a color wheel and understanding the difference between primary,



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secondary, and complimentary colors. Learners will use watercolors to create a value chart and begin to understand symmetry in art. At the end of the semester students will work with clay and create a Memorial Clay.

Semester B

In semester B of Arts and Crafts, students will continue to explore their creativity while also learning ways that art can be functional and add to objects and materials that we use on an everyday basis. Students will begin the semester by creating a 12 month calendar. The students will focus on a new month each week. They will also be able to pick a different clay project each week from The Book of Nature Crafts and/or Clay Fun. Once students have completed the calendar project they will begin to work on form drawing and make a seasonal chart using objects familiar with each of the four seasons. The course concludes with students working with wet crayons and wet paper. This course will provide students with opportunities to experience many different forms of arts and to express their imagination while learning valuable skills. Each student is an individual with unique ideas and talents. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which we live.

Health 2:

Grade Level: 2

Duration: 1 Semester

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

Elementary Health 2 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, disease prevention, conflict resolution, basic anatomy and physiology, and the values of respect and cooperation.

Physical Education 2:

Grade Level: 2

Duration: 1 Semester

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

Elementary PE 2-3 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

3rd Grade Courses

ELA 3 A & B:

Grade Level: 3

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Third Grade Materials Kit](#)



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During the first semester students will continue to build their vocabulary through the study of folktales, fables, myths, informational text, dramas, poems, and stories. They will recount stories and ask and answer questions to demonstrate their knowledge of text. They will compare and contrast themes, setting and plots and distinguish their own point of view from that of the author of the text. Students will also gain information from illustrations and describe logical connections between sentences and paragraphs. They will also be introduced to writing in cursive. During the second semester students will continue to apply phonics and grammar concepts with a focus on special vowel sounds, prefixes, and suffixes. Students will continue to build writing skills by responding to reading and utilizing a broadened vocabulary in authentic writing activities where they compare and contrast stories and use process writing to compose original work. They will read with accuracy and fluency to support comprehension as they solidify their understanding within the context of the stories they read. By the end of the year, our third-grade student will read and comprehend informational texts, including history/social studies, science, and technical texts independently and proficiently. Students will report on a topic using descriptive details and speaking clearly and in complete sentences.

Math 3 A & B:

Grade Level: 3

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Third Grade Materials Kit](#)

Semester A

During the first semester, students will build flexibility with numbers as they master addition and subtraction facts as well as multiplication and division facts. Students will understand relationships between addition and subtraction, multiplication and addition and multiplication and division as they learn to borrow, carry, and regroup in order to find sums and differences of two whole numbers up to 10,000. Students will also comprehend the place value of base ten numbers up to 1,000,000 in order to find patterns and make estimations. Lastly, they will implement a 4-step approach to solving problems and express numbers differently including translating them into Roman Numerals or expressing them as ordinal numbers.

Semester B

During the second semester, students will explore concepts of measurement including linear measurement, weight, volume, temperature, and time. They will also recognize, compare, and convert fractions. Students will write amounts of money and make change using as few coins as possible. Lastly, students will examine lines, polygons, and solid figures as they are introduced to basic concepts of geometry.

Science 3 A & B:

Grade Level: 3

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Third Grade Materials Kit](#)

Semester A

Third grade science introduces students to experimentation as they journey through the earth and its many miracles. They will begin by learning about the earth, the sun and the moon. By participating in simple experiments students will explore the water cycle, gravity, the weather and its patterns, various types of terrain, and the role of plants in the production of oxygen and their importance to human survival. Learners will expand their knowledge through video,



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pictures, short readings, projects, and hands-on experiments. Learners will understand that experiments require the use of instruments, observation, recording, and drawing evidence based conclusions. Grade 3 science provides students with the opportunity to expand their minds and see for themselves the way that science is a part of their everyday lives.

Semester B

Semester B of third grade science begins with the students writing a poem about the seasonal cycles. The learners continue with root formation, the interdependence of plants and humans, biomes of land and sea, extreme weather, rocks, vertebrates and invertebrates, as well as extinction. All of these lessons are taught using video, projects, and experimentation. Semester B asks learners to look a bit deeper into things they encounter such as the ocean and weather.

Social Studies 3 A & B:

Grade Level: 3

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Third Grade Materials Kit](#)

Semester A

In third grade, social studies students will begin to explore the basic fundamentals of social studies including geography, civics, and economics. Learners will begin by looking at the beginning of civilization and examining the ancient Hebrew civilization, the Phoenicians, and the Kush tribe of ancient Africa. They will then move on to examining the Native American tribes of the Cherokee, Sioux, and Hopi. Students will also look at the first explorers of the Americas and learn about the beginning of the United States. In the first semester students will learn important geographical factors in the ancient civilizations, Native American tribes and in the developing United States. Students will increase their skills by creating maps and looking at the landscapes. They will take a close look at their own personal heritage by mapping their ancestry. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos.

Semester B

The second semester begins with introducing learners to economics and the role that money plays in every civilization. Students learn the difference between natural, human, and capital resources. They also examine the production of goods, trade, specialization, and interdependence, and come to understand the importance that each individual plays in a society's economy. Learners are introduced to Civics by discussing the governmental structure of the Ancient Hebrews and Phoenicians. The purpose and importance of laws and how they are enacted as well as the establishment of government are shown through stories of the Ancient Phoenicians and Native Americans. The course ends by discussing the purpose and nature of government as it relates to the United States.

Art 3:

Grade Level: 3

Duration: 1 Semester

Prerequisites: None

Materials Needed: Basic Arts and Crafting Supplies

The Art program provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop their personal source of knowledge and creativity. Art offers the student the opportunity to experience a connection between the verbal and visual; logic and emotions; imagination and reality. The student is guided and encouraged to express feelings and emotions in their drawings and with color while promoting self-esteem



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and self-awareness in personal fulfillment. The imagination in children is encouraged in art. However, it will assist them in their other studies as well. This program provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. The student is introduced to some of the artistic expressions and techniques from cultures around the world. Modern technology provides opportunities for the student to observe this history. The art student will use some of these elements themselves in their own artwork. Repetition, important for children, is provided at different age levels while using various tools and mediums. Home, family, traditions, friends, pets, and toys are the young student's world. The student will explore what they know of their world. These lessons provide a deeper awareness of the world immediately around them where their journey is just beginning. As an individual each student is gifted with unique talents and ideas. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which they live.

Elementary Keyboarding:

Grade Level: 3-5

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Technical Requirements: Students will need a computer or laptop for this course; tablets are not sufficient.

The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.

Health 3:

Grade Level: 3

Duration: 1 Semester

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

Elementary Health 3 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, disease prevention, conflict resolution, basic anatomy and physiology, and the values of respect and cooperation.

Physical Education 3:

Grade Level: 3

Duration: 1 Semester

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

Elementary PE 3 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.



4th Grade Courses

ELA 4 A & B:

Grade Level: 4

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

Semester A:

A Tale of Despereaux by Kate Dicamillo

Bud, Not Buddy by Christopher Paul Curtis

Tales of a Fourth Grade Nothing by Judy Blume

Semester B:

Wrinker by Jerry Spinelli

Pictures of Hollis Woods by Patricia Reilly Giff

Shiloh by Phyllis Reynolds Naylor

[Basic School Supplies](#)

[Fourth Grade Materials Kit](#)

Semester A

The 4th grade Language Arts curriculum integrates reading, writing, speaking, listening, and the study of vocabulary and grammar in a way that engages today's learners and supports them in building a broad and diverse set of literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments in semester A focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English. Students also learn how to participate in collaborative discussion and peer review sessions. In each lesson, engaging and relevant models and step-by-step instruction guide students toward mastery and appreciation of 21st century communication in all its forms and functions.

Semester B

Like semester A, semester B provides an integrated curriculum. Whereas the first semester focuses on skills needed to read fiction and other literary prose, semester B teaches specific skills for reading poetry, drama, and informational text. In the second semester of the course, students learn how informational text differs from literary text and how different forms of information text differ from each other. Writing assignments emphasize expository writing and guide students through research projects. Near the end of the semester, students learn how to present information orally and using multimedia.

Math 4 A & B:

Grade Level: 4

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Fourth Grade Materials Kit](#)

Semester A

Grade 4 math uses a varied amount of instructional material to reinforce and teach new math skills to the 4th grade learners. Instruction includes creative videos, mathematical storytelling, practical math applications and repetition to reinforce skills throughout the course. Three areas are focused on and students will finish the course with a strong



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knowledge in these content areas. The first is developing an understanding and fluency with multi-digit multiplication, and developing the understanding of dividing to find quotients involving multi-digit dividends. The second is developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions with whole numbers. The third will be addressed in semester B.

Semester B

Semester B of grade 4 math has learners continuing to work with fractions. They will learn to multiply fractions and convert them to decimals. Students will also begin to learn equivalent measurements of length, weight, mass, and capacity. They will also learn helpful skills in understanding time, distance, and money. Students will develop an understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry. Lessons on rectangles, line plots, angles, figure drawing, polygons, and symmetry will be taught. Semester B continues to use varied forms of instruction that allow students to learn these skills in a practical manner.

Science 4 A & B:

Grade Level: 4

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Fourth Grade Materials Kit](#)

Semester A

Grade 4 Science includes the three main domains of science which are physical, life, and earth and space science. Learners will use various kinds of experimenting, including field studies, systematic observations, models, and controlled experiences. The course begins with the explanation of the scientific method which the students continue to use and build upon throughout the course. The big picture of the earth is examined as students review the life on planet earth, salt and freshwater, and fast and slow changes that occur on the planet. Students go beyond planet earth, though, as they study galaxies, the solar system and other planets. Students examine the ways that forces and motion can be measured and the concept that a single kind of matter can exist as a solid, liquid or gas. Grade 4 science uses many modes of instruction including video presentations, enrichment activities, and hands-on experimentation.

Semester B

Semester B of Grade 4 Science focuses on the relationship between heat, light, sound, and electrical energy and the way they can be transferred between each other. Learners distinguish between natural objects and objects made by humans as they examine technology and the role it plays in science. Students also look at life cycles of animals, plants, and humans and how they interact with each other. The course ends by looking at the ways that humans interact with the environment. Students will use research skills, watch videos, and get their hands dirty as they complete projects that require them to dig through dirt and trash in order to learn broader lessons that have to do with helping the environment.

Social Studies 4 A & B:

Grade Level: 4

Duration: 2 Semesters

Prerequisites: None

Materials Needed: None

Semester A



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In Semester A of Social Studies 4, students will explore the early development of the United States. Students will explore the early Native Americans and interactions with early European Settlers and the establishment of the American colonies and early American government.

Students will learn about important documents in the founding of the United States and the establishment of rules and laws that has led to the formation of the federal and state governments as we know them today. Students will have the opportunity to explore their own state government and learn more about the rules and regulations that govern where they live.

Semester B

In Semester B of Social Studies 4, students will expand on their learning from Semester B, and work their way through American History to post-WWII and science and inventions that started shaping the modern-day United States.

Various concepts including economics, the environment, and American geography will be explored to give students a better idea of all the facets that shape American lives today.

Art 4 A & B:

Grade Level: 4

Duration: 2 Semesters

Prerequisites: None

Materials Needed: Basic Art and Crafting Supplies

The Art program provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop their personal source of knowledge and creativity. Art offers the student the opportunity to experience a connection between the verbal and visual; logic and emotions; imagination and reality. The student is guided and encouraged to express feelings and emotions in their drawings and with color while promoting self-esteem and self-awareness in personal fulfillment. The imagination in children is encouraged in art. However, it will assist them in their other studies as well. This program provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. The student is introduced to some of the artistic expressions and techniques from cultures around the world. Modern technology provides opportunities for the student to observe this history. The art student will use some of these elements themselves in their own artwork. Repetition, important for children, is provided at different age levels while using various tools and mediums. Home, family, traditions, friends, pets, and toys are the young student's world. The student will explore what they know of their world. These lessons provide a deeper awareness of the world immediately around them where their journey is just beginning. As an individual each student is gifted with unique talents and ideas. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which they live.

Elementary Keyboarding:

Grade Level: 3-5

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Technical Requirements: Students will need a computer or laptop for this course; tablets are not sufficient.

The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.



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Health 4:

Grade Level: 4

Duration: 1 Semester

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

Elementary Health 4 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, reducing illness, avoiding bullying, nutrition, healthy friendships, emergency situations, and the human body. Fourth grade will study the functioning systems of the body.

Physical Education 4:

Grade Level: 4

Duration: 1 Semester

Prerequisites: None

Materials Needed: Basic School Supplies

Elementary PE 4 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

5th Grade Courses

ELA 5 A & B:

Grade Level: 5

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Fifth Grade Materials Kit](#)

Semester A:

Because of Winn Dixie

by Kate Dicamillo

Number the Stars

by Lois Lowry

The Watsons Go to Birmingham

by Christopher Paul Curtis

Semester B:

Maniac Magee

by Jerry Spinelli

Out of the Dust

by Karen Hesse

Island of the Blue Dolphin

by Scott O'Dell



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Semester A

The 5th grade Language Arts curriculum integrates reading, writing, speaking, listening, and the study of vocabulary and grammar in a way that engages today's learners and supports them in building a broad and diverse set of literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments in semester A focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English. Students also learn how to participate in collaborative discussion and peer review sessions. In each lesson, engaging and relevant models and step-by-step instruction guide students toward mastery and appreciation of 21st century communication in all its forms and functions.

Semester B

Like semester A, semester B provides an integrated curriculum. Whereas the first semester focuses on skills needed for literary text, semester B focuses on skills for reading and analyzing informational text. In the second semester of the course, students learn how informational text differs from literary text and how different forms of information text differ from each other. Writing assignments emphasize expository writing and guide students through research projects. Near the end of the semester, students learn how to present information orally and using multimedia.

Math 5 A & B:

Grade Level: 5

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Fifth Grade Materials Kit](#)

Semester A

Students will learn math topics outlined in this course drawing from a variety of sources, including hands-on activities, interactive lessons, and practical math applications. Students will focus on several critical areas including but not limited to developing fluency with addition, subtraction, multiplication, and division of fractions. They will also learn to extend division to 2-digit divisors, integrate decimal fractions into the place value system, and increase an understanding of operations with decimals to hundredths. They will develop a fluency with whole numbers and decimal operations. The semester begins with operations and expressions, moves into decimals and money, and ends with more work on fractions. Learners will gain valuable skills as they carry out activities that model real life situations like grocery shopping throughout the semester.

Semester B

Semester B begins with students continuing to work with fractions. The first lesson focuses on ratios and challenges students to solve word problems using fractions and ratios in practical life situations. Learners continue to strengthen their math skills by studying mixed and fraction products, and fraction application, models, and division. The third critical area that students will focus on in Grade 5 Math is volume. Students will receive lessons in measurement of length, weight, and volume. They will end the course with a focus on geometry. Varied types of instruction are used to enhance their learning, including video and real life applications, activities, and creative projects.

Science 5 A & B:

Grade Level: 5

Duration: 2 Semesters

Prerequisites: None

Materials Needed:



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[Basic School Supplies](#)

[Fifth Grade Materials Kit](#)

Semester A

Grade 5 Science continues to build on the science skills that have been obtained in years previous. There will be an emphasis on earth and space science, life science, and physical science. Students will begin the course by focusing on earth and space science by looking at the solar system and planets. Students will come to an understanding of the concept of the earth as a sphere and the earth's place in the solar system. The course continues with a focus on physical science and the different tools that can measure force, time, and distance. They will also grow in their understanding of how light and sound travel and interact with each other as well as the different types of energy. The semester concludes with a look into life science and the ways that organisms are interconnected. Instruction will include real life application, hands-on projects and assessments, and video and short research projects.

Semester B

Semester B puts great emphasis on life science and begins by focusing on the many ecosystems of the earth and the way that all parts of ecosystems depend on each other. Students will learn the different types of ecosystems that exist. They will learn that ecosystems change and how the changes affect their ability to support their populations. Learners will examine plants; that they have different structures and how those structures allow them to respond to different needs. Students will also grow in their understanding of the importance of good nutrition to all living organisms. The course concludes with a look into the scientific process and the importance of investigations and conclusions in the study of science. Instruction will include real life application, hands-on projects and assessments, and video and short research projects.

Social Studies 5 A & B:

Grade Level: 5

Duration: 2 Semesters

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

[Fifth Grade Materials Kit](#)

Semester A

Grade 5 Social Studies combines the study of United States History through the Civil War with a geographical exploration of the United States and what it has to offer. Students will use their understanding of social studies skills and concepts as they study the development of the United States. The first semester begins with early settlements of North America and allows learners to take an in-depth look into what life was like for colonists and Native Americans. Students will come to understand the causes of the Revolutionary War and the people that played a significant role in it. The semester ends with students examining the new nation and what life was like for European immigrants and those on the frontier. Students will learn through the use of video, journaling, and varied types of creative instruction.

Semester B

Semester B begins with an exploration of the west and what life was like for those looking to find gold. Learners will then look at slavery and what led to the Civil War. The course then takes a departure from American history and takes a more in-depth look into cultures, people, and the geography of the United States from past to present. Learners will have the opportunity to explore the country region by region and come to appreciate all that it has to offer. Students will conclude the course by planning and describing a trip they would like to take to a particular place within the 50 United States. Students will take a hands-on approach as they get to know the geography, climate and culture of their country. Video, creative projects involving technology, journaling, and varied assessments will be used throughout the course.



UPLIFT COURSE CATALOG



Art 5 A & B:

Grade Level: 5

Duration: 2 Semesters

Prerequisites: None

Materials Needed: Basic Art and Crafting Supplies

The Art program provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop their personal source of knowledge and creativity. Art offers the student the opportunity to experience a connection between the verbal and visual; logic and emotions; imagination and reality. The student is guided and encouraged to express feelings and emotions in their drawings and with color while promoting self-esteem and self-awareness in personal fulfillment. The imagination in children is encouraged in art. However, it will assist them in their other studies as well. This program provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. The student is introduced to some of the artistic expressions and techniques from cultures around the world. Modern technology provides opportunities for the student to observe this history. The art student will use some of these elements themselves in their own artwork. Repetition, important for children, is provided at different age levels while using various tools and mediums. Home, family, traditions, friends, pets, and toys are the young student's world. The student will explore what they know of their world. These lessons provide a deeper awareness of the world immediately around them where their journey is just beginning. As an individual each student is gifted with unique talents and ideas. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which they live.

Elementary Keyboarding:

Grade Level: 3-5

Duration: 1 Semester

Prerequisites: None

Materials Needed: None

Technical Requirements: Students will need a computer or laptop for this course; tablets are not sufficient.

The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.

Health 5:

Grade Level: 5

Duration: 1 Semester

Prerequisites: None

Materials Needed:

[Basic School Supplies](#)

Elementary Health 5 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, reducing illness, avoiding bullying, nutrition, healthy friendships, emergency situations, and the human body. Fifth grade will be covering the reproductive system, puberty and STDs.

Physical Education 5:

Grade Level: 5



UPLIFT COURSE CATALOG



Duration: 1 Semester

Prerequisites: None

Materials Needed: Basic School Supplies

Elementary PE 5 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.