



Course Descriptions **2016**

Where Learning Clicks

Edgenuity’s award-winning courses combine rigorous content with direct-instruction videos from expert, on-screen teachers, multimedia, and interactive learning tools and resources to engage and motivate students. With a range of core curriculum, AP®, elective, Career and Technical Education (CTE), dual credit, and credit recovery courses based on the rigor and high expectations of state, Common Core and iNACOL standards and designed to inspire life-long learning, Edgenuity’s courses are fully flexible for use in any blended or online learning model.



“Among our current EDDIE Awards winners, the most thorough CCSS solutions are offered by Edgenuity.”

COMPUTED GAZETTE

Introducing Edgenuity Honors Courses

Many of Edgenuity’s high school core courses are now available in three versions: credit recovery, initial credit, and honors. Schools and districts will receive all three versions when they license a course.

Credit Recovery	Initial Credit	Honors
Instruction and assignments to meet state-standards	Extended instruction and assignments for complete coverage of standards	Additional instruction and/or assignments to extend learning
Limited or no teacher-graded assignments	Contains teacher-graded assignments	Contains additional and more rigorous teacher-graded assignments
On average 40 hours per semester	On average 50 hours per semester	On average 60 hours per semester

Available honors courses:

English

- Language Arts 9
- Language Arts 10
- Language Arts 11
- Language Arts 12

Mathematics

- Algebra I
- Geometry
- Algebra II

Science

- Biology
- Chemistry

Social Studies

- Economics*
- U.S. Government*
- U.S. History I
- U.S. History II
- Survey of U.S. History
- Survey of World History

* Courses marked with an asterisk are one semester.



English Language Arts

English language arts courses are fully aligned to the Common Core. State versions are also available for states that have not adopted CCSS.

English Language Arts 6	This course eases students' transition to middle school with engaging, age-appropriate literary and informational reading selections. Students learn to read critically, analyze texts, and cite evidence to support ideas as they read essential parts of literary and informational texts and explore a full unit on Lewis Carroll's classic novel <i>Through the Looking Glass</i> . Vocabulary, grammar, and listening skills are sharpened through lessons that give students explicit modeling and ample practice. Students also engage in routine, responsive writing based on texts they have read. In extensive, process-based writing lessons, students write topical essays in narrative, informative, analytical, and argumentative formats. In this full-year course, students develop a mastery of reading, writing, and language arts skills.
English Language Arts 7	Students grow as readers, writers, and thinkers in this middle school course. With engaging literary and informational texts, students learn to think critically, analyze an author's language, and cite evidence to support ideas. Students complete an in-depth study of Jack London's classic novel <i>White Fang</i> and read excerpts from other stories, poetry, and nonfiction. Explicit modeling and ample opportunities for practice help students sharpen their vocabulary, grammar, and listening skills. Students also respond routinely to texts they have read. In extensive, process-based writing lessons, students write topical essays in narrative, informative, analytical, and argumentative formats. In this full-year course, students develop a mastery of reading, writing, and language arts skills.
English Language Arts 8	In this course, students build on their knowledge and blossom as thoughtful readers and clear, effective writers. A balance of literary and informational texts engage students throughout the course in reading critically, analyzing texts, and citing evidence to support claims. Students sharpen their vocabulary, grammar, and listening skills through lessons designed to provide explicit modeling and ample opportunities to practice. Students also routinely write responses to texts they have read, and use more extensive, process-based lessons to produce full-length essays in narrative, informative, analytical, and argumentative formats. In this full-year course, students develop a mastery of reading, writing, and language arts skills.
English Language Arts 9	This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's <i>The Odyssey</i> , Shakespeare's <i>Romeo and Juliet</i> , and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.
English Language Arts 10	Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.
English Language Arts 11	This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.
English Language Arts 12	This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.



English Language Arts, continued

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Literacy & Comprehension I*	This course is one of two, semester-long intervention courses designed to support the development of strategic reading and writing skills. These courses use a thematic and contemporary approach, including high-interest topics to motivate students and expose them to effective instructional principles using diverse content area and real-world texts. Both courses offer an engaging technology-based interface that inspires and challenges students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.
Literacy & Comprehension II*	Offering high-interest topics to motivate students who are reading two to three levels below grade, this course works in conjunction with Literacy & Comprehension I to use a thematic and contemporary approach to expose students to effective instructional principles using diverse content area and real-world texts. Presented as two, one-semester, reading-intervention courses, each offers an engaging, technology-based interface that inspires and challenges high school and middle school students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.
Expository Reading and Writing	This elective English course is designed to develop critical reading and writing skills while preparing high school students to meet the demands of college-level work. While students will explore some critical reading skills in fiction, poetry, and drama the focus of this course will be on expository and persuasive texts and the analytical reading skills that are necessary for college success. Students will read a range of short but complex texts, including works by Walt Whitman, Abraham Lincoln, Cesar Chavez, Martin Luther King Jr., Langston Hughes, Julia Alvarez, Edna St. Vincent Millay, and Gary Soto.
Introduction to Communications and Speech*	Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this one-semester course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.
IDEA Writing—Instruction to Develop Expository & Applied Writing*	Motivating students in grades nine through twelve to become more articulate and effective writers, this one-semester course offers hands-on experience writing personal reflections, definition essays, research essays, persuasive essays, informative essays, and literary analysis essays. Offering targeted lessons on reputable research, effective communication, solid grammar, and compelling style, this one-semester course utilizes the Six Traits of Effective Writing as an overarching framework. Students enrolled in this course develop the skills necessary to evaluate their own writing and articulate and apply writing and researching strategies. In addition, students get further practice applying the grammatical rules of standard American English in formal writing.
Classic Novels and Author Studies**	Classic Novels provides an in-depth study of twelve novels and two authors and gives students the opportunity to fully explore a large work of fiction or to be introduced to a celebrated author. Each mini-course guides students through the work with lectures, web activities, journals, and homework/practice. Students study the following novels: <i>1984</i> , <i>A Midsummer Night's Dream</i> , <i>Call of the Wild</i> , <i>Dr. Jekyll and Mr. Hyde</i> , <i>Heart of Darkness</i> , <i>Jane Eyre</i> , <i>Mrs. Dalloway</i> , <i>Portrait of the Artist</i> , <i>Robinson Crusoe</i> , <i>The House of Seven Gables</i> , <i>The Red Badge of Courage</i> , and <i>The Three Musketeers</i> along with the following author studies: Jorge Luis Borges and Flannery O'Connor.



Mathematics

Mathematics courses are fully aligned to the Common Core. State versions are also available for states that have not adopted CCSS.

Mathematics 6	This course begins by connecting ratio and rate to multiplication and division, allowing students to use ratio reasoning to solve a wide variety of problems. Students further apply their understanding of multiplication and division to explain the standard procedure for dividing fractions. This course builds upon previous notions of the number system to now include the entire set of rational numbers. Students begin to understand the use of variables as they write, evaluate, and simplify expressions. They use the idea of equality and properties of operations to solve one-step equations and inequalities. In statistics, students explore different graphical ways to display data. They use data displays, measures of center, and measures of variability to summarize data sets. The course concludes with students reasoning about relationships among shapes to determine area, surface area, and volume.
Mathematics 7	This course begins with an in-depth study of proportional reasoning during which students utilize concrete models such as bar diagrams and tables to increase and develop conceptual understanding of rates, ratios, proportions, and percentages. Students' number fluency and understanding of the rational number system are extended as they perform operations with signed rational numbers embedded in real-world contexts. In statistics, students develop meanings for representative samples, measures of central tendency, variation, and the ideal representation for comparisons of given data sets. Students develop an understanding of both theoretical and experimental probability. Throughout the course, students build fluency in writing expressions and equations that model real-world scenarios. They apply their understanding of inverse operations to solve multi-step equations and inequalities. Students build on their proportional reasoning to solve problems about scale drawings by relating the corresponding lengths between objects. The course concludes with a geometric analysis of angle relationships, area, and volume of both two- and three-dimensional figures.
Mathematics 8	The course begins with a unit on input-output relationships that builds a foundation for learning about functions. Students make connections between verbal, numeric, algebraic, and graphical representations of relations and apply this knowledge to create linear functions that can be used to model and solve mathematical and real-world problems. Technology is used to build deeper connections among representations. Students focus on formulating expressions and equations, including modeling an association in bivariate data with a linear equation, and writing and solving linear equations and systems of linear equations. Students develop a deeper understanding of how translations, rotations, reflections, and dilations of distances and angles affect congruency and similarity. Students develop rules of exponents and use them to simplify exponential expressions. Students extend rules of exponents as they perform operations with numbers in scientific notation. Estimating and comparing square roots of non-perfect squares to perfect squares exposes students to irrational numbers and lays the foundation for applications such as the Pythagorean theorem, distance, and volume.
Pre-Algebra	This full-year course is designed for students who have completed a middle school mathematics sequence but are not yet algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study.
Algebra I	This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.
Geometry	This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.
Algebra II	This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.



Mathematics, continued

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Precalculus	With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.
Mathematics I	The first in an integrated math series for high school, this course formalizes and extends middle school mathematics, deepening students' understanding of linear relationships. The course begins with a review of relationships between quantities, building from unit conversion to a study of expressions, equations, and inequalities. Students contrast linear and exponential relationships, including a study of sequences, as well as applications such as growth and decay. Students review one-, two-, and multi-step equations, formally reasoning about each step using properties of equality. Students extend this reasoning to systems of linear equations. Students use descriptive statistics to analyze data before turning their attention to transformations and the relationship between algebra and geometry on the coordinate plane.
Mathematics II	This course begins with a brief exploration of radicals and polynomials before delving into quadratic expressions, equations, and functions, including a derivation of the quadratic formula. Students then embark on a deep study of the applications of probability and develop advanced reasoning skills with a study of similarity, congruence, and proofs of mathematical theorems. Students explore right triangles with an introduction to right-triangle trigonometry before turning their attention into the geometry of circles and making informal arguments to derive formulas for the volumes of various solids.
Mathematics III	This course synthesizes previous mathematical learning in four focused areas of instruction. First, students relate visual displays and summary statistics to various types of data and to probability distributions with a focus on drawing conclusions from the data. Then, students embark on an in-depth study of polynomial, rational, and radical functions, drawing on concepts of integers and number properties to understand polynomial operations and the combination of functions through operations. This section of instruction builds to the fundamental theorem of algebra. Students then expand the study of right-triangle trigonometry they began in Mathematics II to include non-right triangles and developing the laws of sines and cosines. Finally, students model an array of real-world situations with all the types of functions they have studied, including work with logarithms to solve exponential equations. As they synthesize and generalize what they have learned about a variety of function families, students appreciate the usefulness and relevance of mathematics in the real world.
Mathematical Models with Applications	Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment-loan models. Prior mathematical knowledge is expanded and new knowledge and techniques are developed through real-world application of useful mathematical concepts.
Financial Math	Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.
Concepts in Probability and Statistics	This full-year high school course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra II and Pre-Calculus. The first half of the course begins with an in-depth study of probability and an exploration of sampling and comparing populations and closes with units on data distributions and data analysis. In the second half of the course, students create and analyze scatterplots and study two-way tables and normal distributions. Finally, students apply probability to topics such as conditional probability, combinations and permutations, and sets.
Trigonometry*	In this one-semester course, students use their geometry and algebra skills to begin their study of trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right-triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry, and the unit circle. Students extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions. This leads to the laws of sines and cosines, followed by an in-depth exploration of trigonometric identities and applications. This course ends with an introduction to the polar coordinate system, complex numbers, and DeMoivre's theorem.



Science

Life Science	Examining a broad spectrum of the biological sciences, Life Science is a two-semester course for middle school students that builds on basic principles of scientific inquiry and translates those skills to more complex, overarching biological themes. The course includes units that help students understand the definitions, forms, and classifications of living organisms and learn to analyze the diversity of each unique group of living organisms. Other units introduce students to the structures and functions of cells, cell theory, and cell reproduction. These larger themes are then applied to other topics, such as genetics, Darwinian theory, and human biology and health. An introduction of ecology draws all of these concepts together to examine the interrelationships that help to maintain life on Earth.
Earth Science	Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.
Physical Science	This full-year course focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses. Hands-on wet lab options are also available.
Biology	This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.
Chemistry	This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.
Physics	This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.
Environmental Science	Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.



Social Studies

MS U.S. History	Offering an interactive and comprehensive overview of American history, this course engages and inspires students to learn about the rich and diverse history of America’s native peoples, early European colonization and settlement in America, and the creation of a new nation through the American Revolution. Middle school students enrolled in this course will closely examine major changes brought about by the nation’s reconstruction, industrialization, urbanization, and progressive reforms and consider the implications each of these events had on the expansion of the United States’ global influence through modern times. Over the course of two semesters, interesting course content encourages students to think carefully about the challenges and opportunities facing the United States in the twenty-first century.
MS World History	Providing students with an opportunity to learn the diverse history that has shaped our world, this course delves into the evolution of civilization from the rise of ancient empires through the twenty-first century. Middle school students enrolled in this exciting and informative course investigate the development of medieval societies, the effects of the Renaissance and the Reformation, and the progress made during various periods of revolution, industrialization, urbanization, and reform. Over the course of two semesters, students analyze effects of political conflicts and social issues on the continuing development and interdependence among nations in the modern world.
MS Civics, Government, & Economics	Exploring the structure of the United States government on a national, state, and local level, this course challenges students to learn and understand fundamental concepts and philosophies that led to the creation of the United States Constitution. Students enrolled in this two-semester course analyze the political process, political parties, and influences that affect them both. Engaging, interactive content introduces economic concepts and encourages students to explore government and economics on a global scale. By instilling a thorough understanding of government and economics, this course inspires students to investigate what it means to be an American citizen.
MS World Cultures & Geography	Designed to introduce students to the study of geography, this course helps students master important concepts in physical and human geography. Comprehensive and organized by region, this two-semester middle school course helps students understand the Earth’s physical and human diversity. Students analyze population and settlement patterns and evaluate the ways that human activities modify the physical environment. While studying humans around the world, students compare development, standards of living, systems of government, and economic factors across the globe. In addition, students gain a rich understanding of global cultures and the historical factors that have shaped the world around them. All units in the course are parallel and include studies in physical and human geography, ancient cultures, regional studies, and modern issues.
Survey of World History	This yearlong course examines the major events and turning points of world history from ancient times to the present. Students investigate the development of classical civilizations in the Middle East, Africa, Europe, and Asia, and they explore the economic, political, and social revolutions that have transformed human history. At the end of the course, students conduct a rigorous study of modern history, allowing them to draw connections between past events and contemporary issues. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to draw connections between the past and the present, among cultures, and among multiple perspectives. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events.
Modern World History	This yearlong course examines the major events and turning points of world history from the Enlightenment to the present. Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. Students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.
Survey of U.S. History	This one-year high school course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the Era of Exploration through modern times. As students examine each era of history, they will analyze primary sources and carefully research events to gain a clearer understanding of the factors that have shaped U.S. history. In early units, students will assess the foundations of U.S. democracy while examining crucial documents. In later units, students will examine the effects of territorial expansion, the Civil War, and the rise of industrialization. They will also assess the outcomes of economic trends and the connections between culture and government. As the course draws to a close, students will focus their studies on the causes of cultural and political change in the modern age. Throughout the course, students will learn the importance of cultural diversity while examining history from different perspectives.



Social Studies, continued

U.S. History I	U.S. History I is a yearlong course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.
U.S. History II	U.S. History II is a yearlong course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence. Students will also examine the influence of social and political movements on societal change and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and among multiple perspectives.
U.S. Government*	This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.
Economics (available as semester or full year)	This course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.
Human Geography	Examining current global issues that impact our world today, this course takes a thematic approach to understanding the development of human systems, human understanding of the world, and human social organization. Divided into two semesters, this high school course will challenge students to develop geographic skills, including learning to interpret maps, analyze data, and compare theories. Offering interactive content that will grow students' understanding of the development of modern civilization and human systems—from the agricultural revolution to the technological revolution—this course encourages students to analyze economic trends as well as compare global markets and urban environments.



Advanced Placement[®]

Calculus AB (Coming Fall 2016)	<p>This college-level, yearlong course prepares students for the Advanced Placement (AP) Calculus AB Exam. Major topics of study in this full-year course include a review of pre-calculus, limits, derivatives, definite integrals, mathematical modeling of differential equations, and the applications of these concepts. Emphasis is placed on the use of technology to solve problems and draw conclusions. The course utilizes a multi-representative approach to calculus with concepts and problems expressed numerically, graphically, verbally, and analytically.</p>
English Language & Composition	<p>This college-level course prepares students for the AP[®] English Language and Composition Exam while exploring and analyzing a variety of rhetorical contexts. This is a fast-paced, upper-level course designed for highly motivated students. Multiple opportunities are provided to enhance test-taking skills through critical reading, writing, classroom assignments, and discussion activities. AP English Language and Composition practice assessments and essays will be given throughout the course as well. This course provides students an opportunity to increase knowledge concerning prose of many styles and genres, including essays, journalistic writing, political writing, science writing, nature writing, autobiographies/biographies, diaries, speeches, history writing, and critical writing. Throughout the course, there is an intense focus on writing and revising expository, analytical, and argumentative essays to prepare students for a broad range of writing purposes.</p>
English Literature & Composition	<p>English Literature and Composition is designed to be a college/university-level course. This course equips students to critically analyze all forms of literature in order to comment insightfully about an author's or genre's use of style or literary device. Students will also interpret meaning based on form; examine the trademark characteristics of literary genres and periods; and critique literary works through expository, analytical, and argumentative essays. As students consider styles and devices, they will apply them to their creative writing. In addition to exposing students to college-level English course work, this course prepares them for the AP[®] English Literature and Composition Exam.</p>
Environmental Science	<p>Environmental Science is a laboratory- and field-based course designed to provide students with the content and skills needed to understand the various interrelationships in the natural world, to identify and analyze environmental problems, and to propose and examine solutions to these problems. Since this is an online course, the laboratory- and field-based activities will be completed virtually and via experiments that students can easily perform at home with common materials. The course is intended to be the equivalent of a one-semester, college-level ecology course, which is taught over a full year in high school. The course encompasses human population dynamics, interrelationships in nature, energy flow, resources, environmental quality, human impact on environmental systems, and environmental law.</p>
French Language & Culture	<p>French Language and Culture is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communicative skills. The course prepares students for the AP[®] French Language and Culture Exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the Twenty-First Century. The course is designed as an immersion experience requiring the use of French exclusively. The online learning coach only uses French to communicate with students. In addition, all the reading, listening, speaking, and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. The course contains a forum where students share their opinions and comments about various topics and comment on other students' posts. The course makes great use of the Internet for updated and current material.</p>
Human Geography	<p>Human Geography is a college-level course designed to prepare students for the AP[®] Human Geography Exam. The goal of the course is to provide students with a geographic perspective through which to view the world. Through a combination of direct instruction, documentary videos, and online readings, students will explore geographic concepts, theories, and models; human-environment interactions; and interactions among human systems. Topics covered include population, culture, political organization of space, agricultural land use, industrialization, and urban land use. Students will demonstrate their understanding and acquisition of skills through essays, document-based questions, student collaborative activities, and practice AP exams.</p>
Psychology	<p>Psychology will introduce students to the systematic study of the behavior and mental processes of human means and animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major fields within psychology. Students also learn about the methods psychologists use in their science and practice. The major aim of this course is to provide each student with a learning experience equivalent to that obtained in most introductory college psychology courses. In addition, this course has been designed to help students successfully achieve a passing score on the AP[®] Psychology exam.</p>
Spanish Language & Culture	<p>Spanish Language and Culture is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communication skills. The course prepares students for the AP[®] Spanish Language and Culture Exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the Twenty-First Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material.</p>



Advanced Placement, continued

U.S. History	This course surveys the history of the United States from the settlement of the New World to modern times and prepares students for the new 2015 AP® United States History Exam. The course emphasizes themes such as national identity, economic transformation, immigration, politics, international relations, geography, and social and cultural change. Students learn to assess historical materials, weigh the evidence and interpretations presented in historical scholarship, and analyze and express historical understanding in writing.
World History	This advanced study of world history combines historical thinking skills with the in-depth exploration of major course themes such as the interaction between humans and the environment; development and interaction of cultures; state-building, expansion, and interaction of economic systems; and more. Students engage in reading, writing, and discussion as they trace history from before the Common Era to the present.



Electives

Introduction to Art*	Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, this one-semester course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.
Art History I*	Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this one-semester course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.
Health and Physical Education Bundle	This bundle includes three courses. Foundations of Personal Wellness is a full-year offering that combines health and fitness instruction. Two separate semester-long courses are also included: Healthy Living, which focuses exclusively on personal health, and Lifetime Fitness, which is a one-semester physical education course.
Online Learning and Digital Citizenship*	This one-semester course provides students with a comprehensive introduction to online learning, including how to work independently, stay safe, and develop effective study habits in virtual learning environments. Featuring direct-instruction videos, interactive tasks, authentic projects, and rigorous assessments, the course prepares students for high school by providing in-depth instruction and practice in important study skills such as time management, effective note-taking, test preparation, and collaborating effectively online. By the end of the course, students will understand what it takes to be successful online learners and responsible digital citizens.
Psychology	This two-semester course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.
Sociology*	Providing insight into the human dynamics of our diverse society, this is an engaging, one-semester course that delves into the fundamental concepts of sociology. This interactive course, designed for high school students, covers cultural diversity and conformity, basic structures of society, individuals and socialization, stages of human development as they relate to sociology, deviance from social norms, social stratification, racial and ethnic interactions, gender roles, family structure, the economic and political aspects of sociology, the sociology of public institutions, and collective human behavior, both historically and in modern times.
Strategies for Academic Success*	Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.



World Languages



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Spanish 1	Middle school students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.
Spanish 2	Students in middle school continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.
French 1	Students in middle school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.
French 2	Middle school students continue their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.
German 1	Middle school students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major German-speaking areas in Europe.
German 2	Students continue their introduction to middle school German with this second-year course by covering fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major German-speaking areas in Europe.
Chinese 1	In this middle school course, students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.
Chinese 2	Middle school students continue their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.
Latin 1	Students in middle school begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.
Latin 2	Middle school students continue their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.
Spanish I	Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.



World Languages, continued

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Spanish II	High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.
Spanish III	In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.
French I	Students in high school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.
French II	Students continue their introduction to French in this second-year, high school language course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas across the globe, and assessments.
French III	In this expanding engagement with French, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas.
German I	High school students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe.
German II	Students continue their introduction to high school German in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe.
Chinese I	High school students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.
Chinese II	Students in high school continue their introduction to Chinese in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.
Latin I	High school students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.
Latin II	Students continue their introduction to high school Latin by continuing to cover the fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, a notable ancient myth in Latin, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.



Career Electives

3D Art I – Modeling*	<p>This course focuses on the fundamental concepts of 3D modeling and explores the basic concepts and skills of 3D animation. Students learn Blender® software to create 3D models such as a house, a creature, an animation of the creature walking, and a landscape terrain. Activities include using points on a grid to create mountains and using a color gradient to create a sun and a moon. Students learn 3D space and 3D objects; creating, scaling, and rotating objects; materials and textures; poses and key frames; extruding and mirroring 3D objects; rendering animations; and appending materials, textures, objects, armatures, and animations.</p>
3D Art II – Animation*	<p>This course focuses on building animation skills including realistic movement and lighting. Students learn the Blender® software workspace and tools; location and rotation properties; scripts; IP curves; vector handles; rendering and baking animations and simulations; and particle systems and emitters. Activities and projects promote key 3D animation concepts including frames and key frames, squash and stretch, action strips, walk cycles and poses, and trajectories. Students develop the skills needed to design and create animations with an understanding of the skills needed to succeed as professional animators. (Prerequisite: 3D Art I – Modeling).</p>
Career Explorations	<p>This course prepares middle school students to make informed decisions about their future academic and occupational goals. Through direct instruction, interactive skill demonstrations, and practice assignments, students learn how to assess their own skills and interests, explore industry clusters and pathways, and develop plans for career and academic development. This course is designed to provide flexibility for students; any number of units can be selected to comprise a course that meets the specific needs of students.</p>
Career Planning & Development*	<p>Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.</p>
Computer Applications: Office® 2007*	<p>Offering insight into the suite of products most used by working professionals, this course challenges high school students to become proficient in Microsoft® Word®, Excel®, PowerPoint®, and Outlook® through engaging lessons and course work. This one-semester course is designed to provide students with hands-on experience with tasks such as creating flyers, brochures, schedules, presentations, and mail merge.</p>
Computer Applications: Office® 2010	<p>This full-year course introduces students to the features and functionality of the most widely used productivity software in the world: Microsoft® Office®. Through video instruction, interactive skill demonstrations, and numerous hands-on practice assignments, students learn to develop, edit and share Office 2010 documents for both personal and professional use. By the end of this course, students will have developed basic proficiency in the most common tools and features of the Microsoft Office 2010 suite of applications: Word®, Excel®, PowerPoint®, and Outlook®.</p>
Computer Science*	<p>This one-semester course introduces students to the basics of computer science through a series of Python® programming projects that encourage creativity and experimentation. Students create a diverse portfolio of projects as they learn commands and functions, values and variables, graphical user interface, modular and object-oriented programming, and events and event-driven processes. Students also learn loops, debugging techniques, software-development processes, arrays and sets, generators and namespaces, packages and libraries, randomness, file handling, and how to program simple games. Students explore careers in programming, including profiles from a wide variety of programming professionals.</p>
Digital Arts*	<p>Digital Arts focuses on building a solid foundation of the elements of art and design: line, shape, form, color, value, space, and texture. Topics include learning processes for evaluating artworks and identifying selected artists' works, styles, and historical periods. Students learn 3D space in a 2D environment; filters, gradients, and highlights; and methods of working with color. By the end of this course, students will have created a unique portfolio of digital artwork, including repeating images to be used as a computer's desktop background, a logo with text, two images scaled proportionally to one another, and a poster image and layout. Students advance their skills using Inkscape, a free open-source alternative to Adobe® Illustrator®, and also learn new tools such as the Spiral, Bezier, and Paint Bucket Tools.</p>
Engineering Design*	<p>Engineering Design introduces students to computer-aided design, including the creation of geometric forms, interpreting 2D and 3D drawings of objects, and editing isometric and perspective drawings in a professional CAD environment. Students learn the steps of the design process by modeling and building paper towers, bridges, or platforms. Projects include orthographic projections of 3D objects, isometric drawings, designing a 3D container, and applying math and geometry skills to models and engineering processes. Students produce drawings to meet design specifications, create oblique and perspective CAD drawings, edit drawings in a 3D CAD environment, and apply reverse engineering to an object to explore its parts, aesthetics, and manufacturing process. Students also learn Creo™ Elements/Direct™, a 3D CAD modeling program used by professional engineers.</p>



Career Electives, continued

Introduction to Entrepreneurship*	<p>This one-semester course teaches the key skills and concepts students need to know to plan and launch a business. Students learn about real-life teen entrepreneurs; characteristics of successful entrepreneurs; how to attract investors and manage expenses; sales stages, planning, and budgeting; how to generate business ideas and create a business plan; and how to promote and market a company. Topics include exploring factors of business success and failure, economic systems, competition, production, costs and pricing, accounting, bookkeeping and financial reporting, working with others, and successfully managing employees.</p>
Personal Finance*	<p>This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become more confident in setting and researching financial goals as they develop the core skills needed to be successful. In this one-semester course, students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.</p>
Projects in Audio Engineering**	<p>This introductory, supplemental course teaches the four main steps of professional audio engineering: recording, editing, mixing, and mastering. Through a series of Audacity® software projects, students learn tones and waveforms, recording studios and formats, Musical Instrument Digital Interface (MIDI) and Digital Audio Workstations (DAWs), syncing audio, and many other topics relating to the field of audio engineering. Activities include echo and reverb effects; encoding and exporting audio; mastering audio files and mixing samples to create a new track; equalizing, compressing, and normalizing audio files; and adding fading and crossfading.</p>
Projects in Game Design**	<p>Utilizing the Multimedia Fusion 2 software program, this supplemental course allows students to build a solid foundation in the fundamentals of game design and development. Students create an impressive portfolio of interactive, engaging games such as a classic two-player Ping-Pong game, a block-breaking action game, and a maze game with moving obstacles. Students learn the MMF2 language of events, conditions, and actions; game objects that track scores, lives, time, and more; and automated, random, and user-controlled movement. Topics include libraries, game sounds, and game-design concepts including objects, layers and frames, cursors and crosshairs, pixels and coordinates, calculations, title and end screens, and looping animations.</p>



Career Pathways

Health Science Concepts	<p>This yearlong course introduces high school students to the fundamental concepts of anatomy and physiology—including the organization of the body, cellular functions, and the chemistry of life. As they progress through each unit, students learn about the major body systems, common diseases and disorders, and the career specialties associated with each system. Students investigate basic medical terminology as well as human reproduction and development. Students are introduced to these fundamental health science concepts through direct instruction, interactive tasks, and practice assignments. This course is intended to provide students with a strong base of core knowledge and skills that can be used in a variety of health science career pathways.</p>
Introduction to Business	<p>In this two-semester introductory course, students learn the principles of business using real-world examples—learning what it takes to plan and launch a product or service in today's fast-paced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.</p>
Introduction to Health Science	<p>This high school course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the health care field.</p>

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Career Pathways, continued

Introduction to Information Technology	This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.
Medical Terminology*	This semester-long course introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology, and pathology. The knowledge and skills gained in this course provide students entering the health care field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, interactive tasks, practice assignments, and unit-level assessments.
Microsoft® Office® Specialist	This two-semester course introduces students to the features and functionality of Microsoft® Office® 2010 while preparing them for the beginning, intermediate, and advanced levels of the Microsoft User Specialist (MOS) certification program. Through video instruction, interactive skills demonstrations, practice assignments, and unit-level assessments, students become proficient in Microsoft Word®, Excel®, PowerPoint®, Outlook®, and Access®. By the end of the course, students are prepared to demonstrate their skills by obtaining one or more MOS certifications.
Nursing Assistant	This two-semester course prepares students to provide and assist with all aspects of activities of daily living and medical care for the adult patient in hospital, long-term care, and home settings. Through direct instruction, interactive skills demonstrations, and practice assignments, students are taught the basics of nurse assisting, including interpersonal skills, medical terminology and procedures, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, emergency skills, and employability skills. Successful completion of this course from an approved program prepares the student for state certification for employment as a Certified Nursing Assistant (CNA).
Pharmacy Technician	This two-semester course prepares students for employment as a Certified Pharmacy Technician (CPhT) and covers the skills needed for the pharmacy technician field. Through direct instruction, interactive skills demonstrations, and practice assignments, students learn the basics of pharmacy assisting, including various pharmacy calculations and measurements, pharmacy law, pharmacology, medical terminology and abbreviations, medicinal drugs, sterile techniques, USP 795 and 797 standards, maintenance of inventory, patient record systems, data processing automation in the pharmacy, and employability skills. Successful completion of this course prepares the student for national certification for employment as a CPhT.

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Dual Credit



Accounting*	This one-semester, college-level accounting course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. In this course, students will master the fundamental principles and procedures of the modern practice of accounting. They will gain practical experience with bookkeeping and preparing financial reports within the context of operating a sole proprietorship. Students will use a problem solving approach to actively apply key concepts of introductory accounting to realistic case studies. Upon course completion, students will be able to identify accounting fundamentals, analyze financial reporting, apply principles of accounting for merchandising operations as well as analyze advanced accounting topics.
Approaches to Studying Religions*	This one-semester, college-level religions course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. This course will illustrate the basic concepts integral to the study of religion and understanding how these concepts apply in real world situations. Student will explore key components of religions as they apply to a range of different belief systems and analyze the role of religion in modern society. Upon course completion, students will be able to identify key approaches to religious study; identify common elements of religions; analyze religion's impact on individuals, society, and the world; and evaluate social, ethical, and cultural topics through the lens of religion.
College Algebra*	This one-semester, college-level algebra course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. Students in this course will build mastery around linear, non-linear, and other mathematical functions that include algebraic, graphic, and numeric properties. Students will demonstrate the application of these concepts in real-life scenarios. Upon course completion, students will be able to perform mathematical functions with real numbers; apply mathematical concepts to linear equations, inequalities, and series/sequences; and apply mathematical concepts to linear representations and systems of linear equations and inequalities. Additionally, they will be able to apply mathematical concepts to algebraic expressions, quadratic equations, functions, and non-linear equations.



Dual Credit, continued



Conflict Resolution*	This one-semester, college-level conflict resolution course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. This course will teach students the basic concepts of conflict resolution and how to apply these concepts in real-world situations as well as their own lives. Students will explore key theories and skills associated with conflict resolution in a variety of contexts, including organizational, intercultural, family, and interpersonal. Upon course completion, students will be able to describe conflict resolution and theories of conflict, examine the fundamentals of conflict order, and develop conflict resolution skills. They will be able to interpret the role of culture and gender in conflict resolution, analyze group conflict, and apply the strategies of conflict resolution to real-world scenarios.
Human Biology*	This one-semester, college-level human biology course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. Students participating in this course will analyze fundamental biological principles related to the human body. Course topics include the molecular and cellular basis of life, genetics, organ systems, and the impact of nutrition and exercise on human health. Upon course completion, students will be able to describe basic human biology concepts, including skeletal and muscular systems as well as urinary, endocrine, and reproductive systems. They will be able analyze nervous and sensory systems as related to human health and analyze respiratory, circulatory, immune, and digestive systems. Students will also be able to describe genetics and biotechnology and their application.
Introduction to Art History*	This one-semester, college-level art history course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. In this course, students will master the basic art history elements of the Western world, from prehistoric to modern times. Students will explore art exhibits, analyze buildings and architecture, and examine art in everyday life. Upon completion of the course, students will be able to describe art history, examine art from 22,000 BC through 400 AD, distinguish art from 401 AD through 1450 AD, and analyze art from 1451 AD through 1800 AD. They will also be able to categorize art from 1801 AD through 1900 AD and interpret art from 1901 AD through the present.
Introduction to Psychology*	This one-semester, college-level psychology course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. In this course, students will become familiar with the basic principles of psychology and the scientific method. Students will study a variety of topics, including the brain, learning and memory, personality, social influence, child and lifespan development, and psychopathology. Students will demonstrate the application of these topics to everyday situations. Upon course completion, students will be able to identify foundational philosophies, therapies, and specializations in the field of psychology; analyze developmental psychology across lifespans; and identify theories of personality and personality assessment. They will also be able to articulate scientific research methodology, analytical approaches in the field of psychology, and how the brain and psychological factors impact mental health and behavior, as well as classify psychological disorders and their impact on well-being.
Introduction to Sociology*	This one-semester, college-level sociology course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. This course will encompass the basic principles of sociology. Students will learn a variety of topics including sociological theory and basic research methods, as well as specific theories of culture, deviance, social interaction, diversity, stratification, education, technology, and health in modern society. Students will demonstrate the application of these topics to everyday situations. Upon course completion, students will be able to identify foundational philosophies, theories, and methods in the field of sociology and apply principles of culture and deviance to real-life scenarios. They will be able to analyze social interaction and collective behavior in a real-world context; identify and apply elements of diversity, stratification, and inequality in real life; and analyze sociological perspectives on elements of modern society.
Introduction to Statistics*	This one-semester, college-level statistics course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. Students in this course will master the basic principles of statistics. The course covers topics that include statistical principles, research methodologies, data analysis, and hypothesis testing. Students will demonstrate the application of these topics to everyday situations. Upon course completion, students will be able to grasp and identify key principles of statistical reasoning and methods; apply concepts of data and data representation in a real-world context; calculate variation and central tendency and recognize patterns in distributions; and apply concepts of probability and risk in real-life scenarios. Additionally, students will be able to determine correlation and causation and distinguish between them in context. They will be able to apply concepts of hypothesis testing and utilize t-tests, z-tests, and ANOVA in real-world situations.
Macroeconomics*	This one-semester, college-level macroeconomics course is ACE® CREDIT® recommended for transfer to more than 2,000 colleges and universities. Students in this course will explore and interpret the behavior of economies and countries at both national and international levels. Through this exploration, students will learn how to evaluate decisions on monetary and fiscal policy. Students will also learn how to apply conceptual principles of macroeconomics in practical ways to everyday life.
Microeconomics*	This one-semester, college-level microeconomics course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. This course will focus on the behavior of individual consumers and firms in the marketplace and will help students learn how to evaluate decisions, both public and private, with an eye towards production, consumption, and transfer of wealth. Students will also learn how to apply conceptual principles of microeconomics in practical ways to everyday life. Upon course completion, students will be able to describe economics, examine the consumer, analyze businesses, and interpret market interactions as they relate to consumers and businesses.



Dual Credit, continued



Project Management*	This one-semester, college-level project management course is ACE® CREDIT® recommended for transfer to more than 2,000 colleges and universities. Students in this course will go through the life cycle of managing a project, from designing the scope to completing the project and celebrating success. Along the way, students will gain applied experience with project planning as well as managing project resources and risks.
Visual Communications*	This one-semester, college-level visual communications course is ACE® CREDIT® recommended for potential transfer to more than 2,000 colleges and universities. This course will cover basic concepts of visual design and how to apply these concepts in context. Students will explore visual theories and key elements and principles of design, with an emphasis on color, typography, and layout. They will also learn how to analyze a visual design and understand visual design's role in today's society. Upon course completion, students will be able to examine basic visual design concepts, distinguish the principles and elements of design, analyze the role of visual design in communication, and communicate effectively through visual design.



The American Council on Education's (ACE) College Credit Recommendation Service (CREDIT) has evaluated and recommended college credit for eleven of SOPHIA's courses. For more than thirty years, colleges and universities have trusted ACE CREDIT to provide reliable course equivalency information to facilitate their decisions to award academic credit. American Council on Education, ACE, and CREDIT are registered trademarks of the American Council on Education (ACE). SOPHIA is a registered trademark of SOPHIA Learning, LLC.



Test Preparation

Virtual Tutor: ACT®	This course provides students with the opportunity to prepare to successfully complete the ACT® college-entrance exam. Practice tests diagnose and target areas of opportunity, and students are prescribed individual study paths. The learning experience includes video-based instruction by highly qualified teachers, interactive assignments, and frequent assessment opportunities to track progress.
Virtual Tutor: SAT®	Updated to reflect the 2016 changes to the test, this test preparation course effectively prepares students for all sections of the SAT® exam. Course content is broken into strands, allowing students to focus on each subject extensively before moving on to the next area of study. Within each strand, a diagnostic pretest identifies students' strengths and weaknesses and tailors a personalized study plan for each test-taker.
Virtual Tutor: PSAT®	This course provides students with the opportunity to prepare for success on the PSAT®. Practice tests diagnose and target areas of opportunity, and students are prescribed individual study paths. The learning experience includes video-based instruction by highly qualified teachers, interactive assignments, and frequent assessment opportunities to track progress.
Virtual Tutor: GED®	Updated to reflect the 2014 changes to the test, this test preparation course effectively prepares students for all sections of the GED® exam. Course content is broken into strands, allowing students to focus on each subject extensively before moving on to the next area of study. Within each strand, a diagnostic pretest identifies students' strengths and weaknesses and tailors a personalized study plan for each test-taker.
Virtual Tutor: HiSET®	This test preparation course effectively prepares students for all sections of the HiSET® exam. Course content is broken up into strands, allowing students to focus on each subject extensively before moving on to the next area of study. Within each strand, a diagnostic pretest identifies students' strengths and weaknesses and tailors a personalized study plan for each test-taker.
Virtual Tutor: TASC®	This test preparation course effectively prepares students for all sections of the TASC® test. Course content is broken up into strands, allowing students to focus on each subject extensively before moving on to the next area of study. Within each strand, a diagnostic pretest identifies students' strengths and weaknesses and tailors a personalized study plan for each test-taker.
Virtual Tutor: COMPASS®	This course reviews the concepts and skills essential for college readiness as measured by the COMPASS® post-secondary placement exam. In this course, students complete a diagnostic pretest for each set of skills that assesses specific areas of strength and weakness. Based on the assessment results, the student receives a personalized learning plan, providing the most efficient and effective preparation possible.
Virtual Tutor: ACCUPLACER®	This course reviews the concepts and skills essential for college readiness as measured by the ACCUPLACER® post-secondary placement exam. In this course, students complete a diagnostic pretest for each set of skills that assesses specific areas of strength and weakness. Based on the assessment results, the student receives a personalized learning plan, providing the most efficient and effective preparation possible.

* Courses marked with an asterisk are one semester.

** Supplemental course



World language courses provided by **powerspeak**

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Explore Edgenuity MyPath

Our intervention program for math and reading.

Edgenuity MyPath™ is a supplemental program that offers data-driven differentiated instruction for mathematics and reading. Our program is designed to meet middle school and high school students at their learning level and give them exactly what they need to catch up, keep up, or get ahead. Edgenuity MyPath provides students with age-appropriate online lessons and gives educators the ability to monitor academic progress easily. Three elements provide an effective learning experience: assessment, instruction, and monitoring.



Assess students.

Edgenuity MyPath includes a placement test to determine the best ILP for each student. Schools that use MAP® interim assessments from NWEA™ can import MAP data to generate recommendations based on individual student performance.



Assign ILPs.

Based on the assessment data, the system automatically recommends an ILP that focuses on the skills and concepts each student is ready to learn, pinpoints which students have fallen behind, and provides appropriate instruction to help them catch up or. Or, find out which students are ready challenge them to move ahead.



Monitor progress.

Detailed and dynamic reports provide educators with the tools to identify topics that are challenging for students and create flexible groups for reteaching. With this data, you will know which students are ready to move on to the next program segment and which students need extra help.

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