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FuelEd Online Courses
Middle School Course List / 2014–2015

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Pre-Algebra
Algebra

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Life Science
Physical Science

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World Language Survey

**Extended Electives**¹
Photography
Journalism**²

₀.₅ credit course  ❙ new course  ❑ tablet-ready course ¹ premium pricing may apply  ** available spring 2015
**Grade 6 Language Arts**

This course equips students with the essential language arts skills needed throughout their academic careers. Students read and analyze a variety of informational and fictional texts. Instruction and reading strategies accompany reading selections to help engage students in the text and sharpening their comprehension. Students express their ideas and knowledge using standard (formal) English in written and oral assignments. Writing expressive, analytical, and procedural compositions helps students develop communication skills necessary in today’s world. Vocabulary is taught explicitly and through an array of vocabulary acquisition strategies that give students the tools to independently increase their vocabulary. Students study grammar, usage, and mechanics; and practice sentence analysis, sentence structure, and proper punctuation. Portfolios created by students provide a platform for them to set goals, monitor their progress, and reflect on their accomplishments and challenges. The course includes discussion activities that engage students in the curriculum while creating a sense of community. This course meets Common Core State Standards.

**Grade 7 Language Arts**

This course continues the development of comprehension and analysis of informational and fictional texts with an ongoing emphasis on reading strategies. Students express themselves using standard (formal) English in written and oral presentations. Analyzing and practicing the form and structure of various genres of writing enhances students’ communication skills. Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies. Portfolios created by students provide a platform for them to set goals, monitor their progress, and reflect on their accomplishments and challenges. The course includes discussion activities that engage students in the curriculum while creating a sense of community. This course meets Common Core State Standards.

**Grade 8 Language Arts**

Throughout this course, students engage in literary analysis and close reading of short stories, poetry, drama, novels, and informational texts. The course focuses on interpretation of literary works, analysis of informational texts, and the development of oral and written communication skills in standard (formal) English. Students read “between the lines” to interpret literature and go beyond the text to discover how the culture in which a work of literature was created contributes to the theme and ideas it conveys. Analysis of the structure and elements of informational texts and media helps students develop the skills needed for academic success and the navigating the world. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary. Setting goals, self-monitoring progress, and reflecting on successes and challenges helps students become metacognitive learners. The course includes discussion activities that engage students in the curriculum while creating a sense of community. This course meets Common Core State Standards.
Math

Fundamentals of Geometry and Algebra

Students enhance computational and problem-solving skills while learning topics in algebra, geometry, probability, and statistics. They solve expressions and equations in the context of perimeter, area, and volume problems, and to develop computational skills with fractions and decimals. The study of plane and solid figures includes construction and transformations of figures. Also in the context of problem solving, students add, subtract, multiply, and divide positive and negative integers, and solve problems involving ratios, proportions, and percents, including simple and compound interest, rates, discount, tax, and tip problems. They learn multiple representations for communicating information, such as graphs on the coordinate plane, statistical data and displays, as well as the results of probability and sampling experiments. Students investigate patterns involving addition, multiplication, and exponents, and apply number theory and computation to mathematical puzzles. This course meets Common Core State Standards.

Pre-Algebra

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students extend their understanding of ratios to develop an understanding of proportions and solve problems, including scale drawings, percent increase and decrease, simple interest, and tax. They also extend their understanding of numbers and properties of operations to include rational numbers. Signed rational numbers are contextualized and students use rational numbers in constructing expressions and solving equations. Students derive formulas and solve two-dimensional area problems, including the area of composite figures. In three dimensions, students find surface area using formulas and nets. Students also compute the volume of three-dimensional objects, including cubes and prisms. Students make use of sampling techniques to draw inferences about a population, including comparative inferences about two populations. Students also investigate chance processes through experimental and theoretical probability models. This course meets Common Core State Standards.

Algebra

Students deepen their computational and problem-solving fluency through topics in linear relationships, functions, and geometry. Proportions are understood as special linear equations in which the constant of proportionality is the slope. Students also consider the fit of bivariate data with linear models. Students solve systems of two linear equations in two variables and relate those solutions to a representation in the coordinate plane. Functions are understood as a rule that determines a unique output for every input. Students apply functions and are able to translate between various representations. Geometry delves into translations, rotations, reflections, and dilations in the coordinate plane. Students also consider the angles created by the transversal of parallel lines. The Pythagorean Theorem is explored and used to find distances between points and to analyze polygons. Students also find volumes of cones, cylinders, and sphere. This course meets Common Core State Standards.
Earth Science

Earth Science builds on the natural curiosity of students. The curriculum gives students an opportunity to relate to their everyday world by connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe. Students explore topics such as the fundamentals of geology, oceanography, meteorology, and astronomy; Earth’s minerals and rocks; Earth’s interior; plate tectonics, earthquakes, volcanoes, and the movements of continents; geology and the fossil record; the oceans and the atmosphere; and the solar system and the universe. Hands-on lesson activities and assignments help students discover how scientists investigate the living world.

Life Science

The Life Science program invites students to investigate the world of living things—at levels both large and small—by reading, observing, and experimenting with aspects of life on Earth. Students explore an amazing variety of organisms, the complex workings of the cell and cell biology, the relationship between living things and their environments, and discoveries in the world of modern genetics. Students tackle such topics as ecology, microorganisms, animals, plants, cells, animals, species, adaptation, heredity, genetics, and the history of life on Earth. Lesson activities and assignments help students discover how scientists investigate the living world.

Physical Science

The Physical Science program introduces students to many aspects of the physical world, focusing first on chemistry and then on physics. The course provides an overview of the physical world and gives students tools and concepts to think clearly about matter, atoms, molecules, chemical reactions, motion, force, momentum, work and machines, energy, waves, electricity, light, and other aspects of chemistry and physics. Among other subjects, students study the structure of atoms; the elements and the Periodic Table; chemical reactions; forces, including gravitational, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism.
Social Studies 6

In this sixth-grade course, students expand their understanding of history, civics and government, geography, economics, society, and culture by studying the people and events that ushered in the dawn of the major Western and non-Western ancient civilizations. The two-semester course presents content in the following themes: Early Civilizations of Mesopotamia, Egypt, and Kush; Ancient Hebrews; Ancient Greece; the Persian Empire; Ancient Asia: Civilizations of India, China, and Japan; and Ancient Rome. Among other skills, Social Studies 6 equips students to sequence, categorize, and identify cause-and-effect relationships of important events of ancient times; understand, describe, and analyze similarities and differences within and among cultures; and describe how citizenship varies among different societies.

Social Studies 7

Seventh-grade students study world history, landforms and geography, money and economics, the powers and parallels of political science, sociology, and anthropology in this two-semester course. Social Studies 7 begins with the mysteries of the ancient empires of the Americas, moves on to the fall of the Roman Empire and the rise of the Franks in Europe, and covers revolutionary Europe, the Industrial Revolution, nationalism and Imperialism, World Wars I and II, colonial India, the United Nations, the Vietnam War, past and current issues in the Middle East, and ancient and modern Africa. The course concludes with an introduction to the Information and Space Ages.

Social Studies 8

This course builds on the concepts of geography, civics, and political societies, beginning with the world as it was in the 1500s. Periods and events covered in Social Studies 8 include the exploration of the New World, the establishment of the American colonies, the colonial era leading up the French and Indian War, the Revolutionary War, the development of American government, the War of 1812, the Louisiana Purchase, the Lewis and Clark exploration, Manifest Destiny, and the Mexican War. Students also explore immigration and abolition issues, the Civil War and Reconstruction, westward expansion, the development of the United States as a world power, World War I, the 1920s, the Great Depression, and World War II.

Family and Consumer Science

In this course, students develop skills and knowledge to help them transition into adult roles within the family. They learn to make wise consumer choices, prepare nutritious meals, contribute effectively as part of a team, manage a household budget, and balance roles of work and family. They gain an appreciation for the responsibilities of family members throughout the life span and the contributions to the well-being of the family and the community.
ELECTIVES

Art 6

In this one-semester course, students learn how to identify and discuss formal elements, principles of design, and stylistic characteristics found in artworks from various world regions. They explore the fundamental concepts of art, how to evaluate art, and how to discern the intended function of natural history museums through hands-on activities, discussions, written assignments, and objective assessments. The course begins with an orientation that provides an introduction to art appreciation and a timeline of ancient history. Students move on to study art from various world regions, including Mesopotamia and the Indus River Valley, Egypt, China and Japan, Greece, Italy, and the Americas.

Art 7

A follow-up course to Art 6, Art 7 continues students’ instruction in the fundamental concepts of art, the evaluation of art, and understanding the mission of natural history museums. In this one-semester course, students explore world regions and study the unique art and architecture that defines the Medieval and Renaissance periods. Using relevant terminology, they learn how to identify and discuss formal elements, principles of design, and stylistic characteristics found in artworks from various world regions. Course content begins with a timeline of Medieval/Renaissance history and discussion of art criticism and is supplemented with hands-on activities, discussions, written assignments, and objective assessments.

Art 8

Art 8 is intended for eighth-grade students and is a follow-up course to Art 7. The one-semester course continues students’ exploration of world regions as they study the unique art and architecture that defines modern-day civilizations. In Art 8, students learn how to converse with others about art and the function of art in modern society as they analyze artworks and identify valid resources for the study of art history and the applied arts. Students do hands-on activities, participate in discussions, turn in written assignments, and take assessments on art from India, China, Japan, Europe, the United States, the Americas, Africa, and the Pacific cultures. Course content includes instruction on writing about art and a discussion of art historians.

Career Explorations 8

Intended for eighth-grade students, this one-semester course provides an overview of careers available today and helps students identify careers that may suit them. Course content covers the importance of work to individuals and society; the difference between a job and a career; identifying personal strengths, weaknesses, and interests and how they apply to possible careers; the importance of proper work etiquette; and an exploration of various careers in several career clusters. Students complete self-evaluations to determine which careers may be of interest to them. Assignments, including research and interviews, supplement the instructional content and provide a hands-on approach to creating a career plan for the future.
Health 6

This one-semester course for sixth-graders provides students with the knowledge and skills necessary for making healthy choices throughout their lives. In Health 6, students learn how to recognize unhealthy and risky behaviors, manage peer pressure, and develop strategies for improving personal and community health. They also gain an understanding of the many different influences on one’s health and the interrelationships that occur between mental, physical, social, spiritual, and environmental health. Students have opportunities to demonstrate the skills they’ve learned in healthy decision making, problem solving, and goal setting, effective communication, and refusal negotiation. Content is supplemented with vocabulary quizzes, discussion sessions with peers, multimedia interactive tutorials, lab activities, and interactions with the teacher.

Health 7

Health 7 is a one-semester course for seventh-graders that builds on content introduced in Health 6. The course begins with a unit on personal and community health. The next unit, on prevention and strategies for risky health behaviors, includes topics such as alcohol and drug abuse, violence, STDs and HIV infection, and nutrition and exercise. The third unit covers factors influencing health practices, behaviors, and attitudes; in this unit, students explore social factors, environmental factors, the media, and resources for health information. The fourth unit presents content to help students develop their communication skills and coping mechanism. The course concludes with a unit on decision making and life skills for healthy living.

Health 8

Designed for middle school students in the eighth grade, Health 8 gives students the knowledge and skills necessary to develop and maintain a healthful lifestyle. In this one-semester course, students learn health information and practices for understanding and managing many aspects of their physical, social, intellectual, spiritual, and emotional health throughout adolescence and into adulthood. Topics include nutrition; adolescent development; pregnancy and childbirth; the prevention of diseases, injuries, STDs, and AIDS; substances such as alcohol, drugs, tobacco, and steroids; anxiety disorders; relationships; responsibility; stress management; decision making; self-esteem; and consumer health. Vocabulary quizzes, discussion sessions with peers, interactive tutorials, lab activities, and interactions with the teacher supplement the instructional content.

Music 6

In this one-semester music appreciation course for sixth-graders, students learn foundational skills such as performing, listening, analyzing, and responding to music. They are exposed to fundamentals of music, such as rhythm, harmony, form, and texture. They learn to read and write music notation and to create and arrange music within specified guidelines. Integrated assignments incorporate other areas of study, such as science, social studies, and math.
Students are exposed to a wide variety of musical styles, including classical, jazz, blues, rock, pop, and bluegrass. They also learn about the use of technology in music, including MIDI, interactive programs, audio equipment, mixers, and recording equipment.

**Music 7**

After students complete this one-semester music appreciation course, which is a follow-up to Music 6, they will be able to analyze and evaluate music. The course begins with a study of the fundamentals of music, such as musical notation, composition, harmony, rhythm, duration, and intensity. It then covers the role of technology, genre and style, social and cultural impact, and geographic diversity. Students complete activities that require higher critical thinking skills and integrate other areas of study, such as math, social studies, and science. They learn to understand music’s role in history, make critical judgments and informed music choices, and reflect on musical periods and styles.

**Music 8**

Music 8 is a one-semester music appreciation course for eighth-grade students that teaches them how to critically analyze music, use proper music terminology to describe musical concepts, and create music. The course includes fundamentals such as musical notation, the concepts of melody, harmony, tone, and pitch; the various families of musical instruments; and the function and benefits of rehearsal and practice sessions. Students learn about different genres of music, including classical, country, blues, Latin, and gospel. Integrated assignments incorporate other content areas of study, such as social studies, science, and math. Students learn to relate music to geographic regions, such as Africa, Asia, Central America, Europe, and North and South America.

**Physical Education 6**

Physical Education 6 is a one-semester course that introduces students to the essential principles that can help them live healthy, active lifestyles. Students learn about team sports, dance, and lifetime activities such as yoga/Pilates, kickboxing, golf, fitness walking, and badminton. They are introduced to a variety of dance styles from around the world, including square dance, folk dance, aerobic dance, hip hop, and rhythmic gymnastics. Students learn fitness basics, including target heart rate, fitness testing, goal setting, and weight training, and they learn the importance of warm-up and cool-down sessions. The course also addresses the concepts of conflict resolution and making smart choices. Fundamentals of nutrition are covered, as well as the importance of getting adequate rest and maintaining a positive attitude.
**Physical Education 7**

Physical Education 7 is a one-semester course that exposes seventh-grade students to diverse activities, including rock climbing, orienteering, kickboxing, and table tennis. Course content includes multiple training methods, including cross training, plyometric training, core muscle training, and aerobic dance. Students learn about stress management exercises, including yoga/Pilates and breathing exercises. Fitness basics are presented, including target heart rate, fitness testing, and goal setting. Students learn about static and dynamic balance and about the science behind sports. Principles of strength training are covered, along with safety precautions one should take when lifting weights. At the end of this course, students can perform the Presidential Physical Fitness Tests and graph their scores.

**Physical Education 8**

Designed for eighth-grade students, Physical Education 8 teaches students to make informed decisions about fitness activities. Students learn about the role of physical activity in maintaining a healthy quality of life. Each student designs and participates in a fitness program that meets his or her individual fitness needs and interests and learns how to evaluate his or her personal physiological response to exercise. Course content covers the fundamentals of physical fitness and stress management and introduces students to a variety of lifetime sports and games, including canoeing, cycling, tennis, lawn games, and wall ball. Students learn how to apply the critical elements of multiple training methods, including aerobics, cardio bands, and kickboxing.
Middlebury Chinese 1

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school Chinese I. Students begin their introduction to Mandarin Chinese by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course, and specific character practices are introduced after the first quarter. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Chinese-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Middlebury Chinese 2

Students continue their language-learning adventure by progressing to this next level of middle school Mandarin Chinese. The instruction is equivalent to that found in the second semester of high school Chinese I. Students begin their introduction to Chinese by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course, and specific character practices are introduced after the first quarter. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Chinese-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to ACTFL national standards.
**French 1**

Students receive a thorough grounding in the basics of the French language in this introductory, two-semester course. French 1 has been designed to meet ACTFL standards. These standards call for a method of teaching that focuses on successful communication through speaking, listening, reading, and writing. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused on a specific theme.

**Middlebury French 1**

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school French I. Students begin their introduction to French by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

**French 2**

French 2 continues the learning process that began with French 1 and adheres to ACTFL standards. Instructional material introduces students to new grammar and vocabulary and allows them to build conversational and reading skills to cover many common situations in daily life. Unit topics include daily routine, animals, entertainment, body parts, rooms and furniture, shopping and clothing, meals, sports and recreation, and transportation. Unit activities blend different forms of communication and culture to ensure that standards are met. The successful completion of French 1 is a prerequisite for this course.

**Middlebury French 2**

Students continue their language-learning adventure by progressing to this next level of middle school French. The instruction is equivalent to that found in the second semester of high school French I. Students begin their introduction to French by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend.
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of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

German 1

German 1 provides an introduction to the basics of the German language and the German-speaking world. This two-semester course has been constructed to meet ACTFL standards that dictate a pedagogical method that focuses on successful communication through speaking, listening, reading, and writing. Unit topics consist of the alphabet and numbers; greetings; introductions; the calendar (days, months, and seasons); weather; time; colors; familiar objects and places; family; food; pastimes; and school objects and routine. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

Middlebury German 1

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school German I. Students begin their introduction to German by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.
German 2

Instructional content in German 2 introduces students to new grammar and vocabulary and allows them to build conversational and reading skills to cover many common situations in daily life. Like German 1, this follow-up course adheres to ACTFL standards. Learning activities in each unit are focused on a specific theme. The units for both semesters cover a broad range of useful everyday subjects, including daily routine, animals, entertainment, body parts, rooms and furniture, shopping and clothing, meals, sports and recreation, and transportation. Students must successfully complete German 1 in order to enroll in this course.

Middlebury German 2

Students continue their language-learning adventure by progressing to this next level of middle school German. The instruction is equivalent to that found in the second semester of high school German I. Students begin their introduction to German by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

Spanish 1

Spanish 1 gives students an introduction to the basics of the Spanish language and the Spanish-speaking world. This two-semester course aligns with ACTFL national standards, which dictate a pedagogical method that focuses on successful communication through speaking, listening, reading, and writing. Course unit topics include the alphabet and numbers; greetings; introductions; the calendar (days, months, and seasons); weather; time; colors; familiar objects and places; family; food; pastimes; and school objects and routine. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.
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Middlebury Spanish 1

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school Spanish I. Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

Spanish 2

Students receive additional grounding in grammar and vocabulary in this two-semester course. Instructional material encourages students to build conversational and reading skills to cover many common situations in daily life. Like Spanish 1, this follow-up course adheres to ACTFL standards. Learning activities in each unit are focused on a specific theme. The units for both semesters cover a broad range of useful everyday subjects, including daily routine, animals, entertainment, body parts, rooms and furniture, shopping and clothing, meals, sports and recreation, and transportation. Students must successfully complete Spanish 1 in order to enroll in this course.

Middlebury Spanish 2

Students continue their language-learning adventure by progressing to this next level of middle school Spanish. The instruction is equivalent to that found in the second semester of high school Spanish I. Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in
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simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

**Middlebury Latin 1**

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school Latin I. Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept; reading comprehension activities; writing activities; multimedia culture, history, and mythology presentations; and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; understand and analyze the cultural and historical contexts of the ancient sources they study; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to ACTFL national standards.

**Middlebury Latin 2**

Students continue their language-learning adventure by progressing to this next level of middle school Latin. The instruction is equivalent to that found in the second semester of high school Latin I. Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept; reading comprehension activities; writing activities; multimedia culture, history, and mythology presentations; and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs
with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; understand and analyze the cultural and historical contexts of the ancient sources they study; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to ACTFL national standards.

**World Language Survey**

This course introduces students to six different world languages within 18 weeks. The languages in this course include Spanish, French, German, Latin, Chinese, and Japanese. Each language is taught in a three-week period. This multilingual course is designed to give students an opportunity to gain understanding of a language that they might want to further study in the future. Each language is equally represented, thus allowing the student to conceptualize and practice each language one at a time. The course takes a multi-perspective approach for teaching the culture of the people that speak the language along with fundamental communication skills in the target language. Activities that engage students and make language learning exciting and fun are incorporated to build acquisition. The languages are taught using the communicative method that combines listening, speaking, reading, and writing in the target language with the use of multimedia resources.
Journalism**

Who? What? When? Where? In this course, students learn how to gather information, organize ideas, format stories for different forms of news media, and edit their stories for publication.

Photography

Students see photographs every day on television, on the Internet, and in magazines and newspapers. What makes a great photograph? How did the artist capture a story? What are careers in photography? In this course, students learn and apply fundamental skills to use a camera and take photographs of animals, people, and landscapes. Students gain an understanding of how photography can be a means of documentation or high art. Students examine photographic careers and explore self-reflection to progress their creative growth as they develop a photographic portfolio. This course helps students select subjects, take a photograph, and print and display memories!
Advanced Placement®
AP® Art History
AP Biology
AP Calculus AB
AP Calculus BC
AP Computer Science A
AP English Language
AP English Literature
AP Environmental Science
AP European History
AP French Language and Culture
AP Macroeconomics
AP Microeconomics
AP Psychology
AP Spanish Language and Culture
AP Statistics
AP U.S. Government
AP World History

Language Arts
Grammar and Composition
English I
English II
English III
English IV
Creative Writing
Journalism

Math
Consumer Math
Developmental Algebra
Continuing Algebra
Pre-Algebra
Algebra I
Algebra I Extended Learning
Integrated Mathematics I
Geometry
Integrated Mathematics II
Algebra II
Integrated Mathematics III
Pre-Calculus
Trigonometry
Calculus
Personal Finance

Science
Physical Science
Earth Science
Biology
Chemistry
Physics
Environmental Science
Forensic Science

Social Studies
World History
Geography
American History
American Government
Economics
Civics
Anthropology
Contemporary World Issues
Family and Consumer Science
Psychology

Technology and Computer Science
3D Art I—Modeling
3D Art II—Animation
Computer Fundamentals
Computer Literacy
Digital Photography
Game Design
Image Design and Editing
Java Programming
VB.NET Programming
Web Design

Additional Electives
Accounting
Art Appreciation
Career Planning
Driver Safety
Health
Life Skills
Music Appreciation
Nutrition and Wellness
Physical Education

World Languages
French I
French II
French III
French IV
German I
German II
German III
German IV
Japanese I
Japanese II
Latin I
Latin II
Latin III

Advanced Placement® courses are marked with an "AP®" symbol. New courses are marked with a "new course" symbol. Adaptive learning technology courses are marked with an "adaptive learning technology" symbol. Premium pricing may apply to some courses.
Extended Electives

- Archaeology
- Art in World Cultures
- Astronomy
- Career Explorations in Business and Healthcare
- Careers in Criminal Justice
- Cosmetology
- Criminology
- Early Childhood Education
- Entrepreneurship
- Fashion and Interior Design
- Gothic Literature
- Great Minds in Science
- History of the Holocaust
- Hospitality and Tourism
- International Business
- Introduction to Agriscience
- Introduction to Culinary Arts
- Introduction to Social Media
- Law and Order/Legal Studies
- Mythology and Folklore
- Peer Counseling
- Philosophy
- Public Speaking
- Real World Parenting
- Social Problems I
- Social Problems II
- Sociology I
- Sociology II
- Sports and Entertainment Marketing
- Veterinary Science
- World Religions

Credit Recovery

- Language Arts
  - English I
  - English II
  - English III
  - English IV
- Math
  - Algebra I
  - Algebra II
  - Geometry
- Science
  - Biology
  - Chemistry
  - Earth Science
  - Physical Science
- Social Studies
  - American Government
  - American History
  - Economics
  - Geography
  - World History
- Electives
  - Health
  - Physical Education
- Spanish I

Foundations

- Algebra I
- American History
- Biology
- Earth Science
- English I
- English II
- English III
- English IV
- Geography
- Geometry
- Health
- Physical Science
- World History

*0.5 credit course | new course | English language learner-supported content | premium pricing may apply
**AP Art History**

This course is designed to broaden students’ knowledge of architecture, sculpture, painting, and other art forms within various historical and cultural contexts. In Advanced Placement Art History, students identify and classify artworks from prehistory through the 20th century, formally analyze artworks by placing them in the historical context within which they were created, consider the visual traditions of the cultures that created artworks, and understand interdisciplinary and cultural influences on works of art. In addition to visual analysis, the course considers issues such as patronage, gender, and the functions and effects of artworks. This course uses a textbook. Prior art training is not necessary for enrollment.

**AP Biology**

This course guides students to a deeper understanding of biological concepts, including the diversity and unity of life, energy and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms, as well as interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on and virtual laboratory experiments, and practice assessments. These activities are designed to help students gain an understanding of the science process and critical-thinking skills necessary to answer questions on the AP Biology Exam. The content aligns to the sequence of topics recommended by the College Board.

**AP Calculus AB**

This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP Calculus Exam and further studies in science, engineering, and mathematics. AP Calculus AB requires use of a graphing calculator.

**AP Calculus BC**

This course is the equivalent of an introductory college-level calculus course. In this course, students study functions, limits, derivatives, integrals, and infinite series. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP Calculus Exam and further studies in science, engineering, and mathematics. AP Calculus BC requires use of a graphing calculator.
AP Computer Science A

AP Computer Science A is the equivalent of a first-semester, college-level course in computer science. The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. It also includes the study of data structures, design, and abstraction. Students enrolling in AP Computer Science A should have knowledge of mathematics at the Algebra II level as well as some previous programming experience, a basic understanding of networks, and knowledge of the responsible use of computer systems (including system reliability, privacy, legal issues, intellectual property, and the social and ethical ramifications of computer use). To take this course, students need regular access to a computer system with recent technology.

AP English Language

This course prepares students for the Advanced Placement exam in English Language and Composition. The literary component of the course covers a range of genres, including nonfiction, fiction, drama, and poetry. While analyzing these works, students consider style (a language-based approach to exploring meaning in a piece of writing through tone, diction, and syntax) and rhetoric (the examination of the argument and structure of a piece of writing by considering aspects of the author’s credibility, irony, and use of logic). Writing assignments cover both expository and argumentative aspects of writing. Prior coursework in English through the high school sophomore level is required for enrollment in AP English Language.

AP English Literature

AP English Literature prepares students for the Advanced Placement exam in English Literature and Composition. In this course, students acquire the reading and critical thinking skills necessary to understand challenging material, analyze that material to deduce meaning, and apply what they learn. They also acquire the composition skills needed to communicate their understanding effectively to a variety of audiences. Students read and analyze classic works of literature that contain literary qualities that merit study and provoke deep thought. Students also read modern and contemporary works as they examine a variety of literary genres, including plays, short stories, poetry, essays, and novels. Prior coursework in English through the high school junior level is required for enrollment in this course.

AP Environmental Science

Students examine the natural world’s interrelationships in AP Environmental Science. During this two-semester course, they identify and analyze environmental problems and their effects and evaluate the effectiveness of proposed solutions. They learn to think like environmental scientists as they make predictions based on observation, write hypotheses, design and complete field studies and experiments, and reach conclusions based on the analysis of resulting data. Students apply the concepts of environmental science to their everyday experiences,
current events, and issues in science, politics, and society. The course provides opportunities for guided inquiry and student-centered learning that build critical thinking skills. Prerequisites for enrollment include two years of prior coursework in laboratory sciences (Biology, Chemistry, Earth Science, or Physics).

**AP European History**

This course surveys the social, economic, cultural, intellectual, political, and diplomatic history of modern Europe and its place in the history of the world—from the fall of Constantinople to the fall of the Berlin Wall and collapse of the Soviet Union. The course is equivalent to a college freshman or sophomore modern European history course. Students develop an understanding of the major periods, ideas, movements, trends, and themes that characterize European history from approximately 1450 to the present. They also develop the ability to analyze historical evidence and express their understanding and analysis in writing. This course prepares students for the Advanced Placement European History Exam.

**AP French Language and Culture**

The AP French Language and Culture course is an advanced language course that prepares students for the AP French Language and Culture Exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in French, and is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students should expect to listen to, read, and understand a wide variety of authentic French-language materials and sources; demonstrate proficiency in interpersonal, interpretive, and presentational communication using French; gain knowledge and understanding of the cultures of the Francophone world; use French to connect with other disciplines and expand knowledge in a wide variety of contexts; develop insight into the nature of the French language and its culture; and use French to participate in communities at home and around the world. The AP French Language and Culture course is a college-level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

**AP Macroeconomics**

Macroeconomics is the study of how economic systems work as a whole. In this one-semester course, students learn how the economy is measured by indicators such as gross domestic product (GDP), among others. They examine concepts such as inflation, unemployment, world trade patterns, and the role of the Federal Reserve Bank. Students engage in decision making to create an environment in which high employment rates and higher living standards can be achieved by using fiscal and monetary policy. Topics presented in the course include measuring
economic performance; aggregate demand and aggregate supply; money, monetary policy, and economic stability; monetary and fiscal policy; and international economics. This course prepares students for the AP Macroeconomics Exam.

**AP Microeconomics**

Microeconomics is the study of economics on the level of individual areas of activity and how individuals make choices with limited resources. In AP Microeconomics, students examine concepts such as supply and demand, factors of production, roles of labor and management, the relationship between the environment and the economy, and the effect of government on individual decision making. Students study the stock market as an investment option and trace various stocks throughout the semester using the *Wall Street Journal* and the Internet as resources. Topics presented include the nature and functions of product markets; theory of the firm; factor market; and role of government. This course prepares students for the AP Microeconomics Exam.

**AP Psychology**

This one-semester course surveys the major topics in the field of psychology as well as terminology, methodology, and the historical and current understanding of human behavior and thought processes. Concepts, terminology, and research findings are presented at the level of an introductory college psychology course. Students learn how psychologists analyze human experiences and apply what they have learned. Organized in seven units, the course presents the following topics: introduction to psychology, the biological basis of behavior, human development and awareness, human cognition, human motivation and emotion, human interaction, and course review. The course prepares students to take the Advanced Placement Psychology Exam. Prior coursework in Biology is suggested. This course uses a textbook.

**AP Spanish Language and Culture**

The AP Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP Spanish Language and Culture Exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in Spanish, and is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. 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. Students should expect to listen to, read, and understand a wide variety of authentic Spanish-language materials and sources; demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding of the cultures of Spanish-speaking areas of the world; use Spanish to connect with other disciplines and expand
knowledge in a wide variety of contexts; develop insight into the nature of the Spanish language and its culture; and use Spanish to participate in communities at home and around the world. The AP Spanish Language and Culture course is a college-level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

**AP Statistics**

Statistics concerns the collection, organization, and interpretation of data. In AP Statistics, students interpret the output generated by statistical software programs. This two-semester course presents the following topics, among others: organizing data, examining relationships, producing data, probability, random variables, binomial and geometric distributions, sampling distributions, and inference. This course prepares students to take the Advanced Placement Statistics Exam. Students who enroll in AP Statistics must have access to a computer equipped with software capable of doing data analysis. In addition, one of the following Texas Instruments calculators is required: TI-83, TI-83+, TI-84, TI-84+, or TI-89. Prerequisites for AP Statistics include Algebra I and Algebra II.

**AP U.S. Government**

This course presents an analytic perspective on American politics, covering the ideals, institutions, and processes that direct the daily operations of government and shape public policy. In AP U.S. Government, students examine the constitutional structure of government, participatory politics, the formal institutions of power, and the extra-constitutional influences on government institutions. They interpret and analyze the political landscape to develop an understanding of the strengths and weaknesses of the U.S. system of government. This one-semester course addresses the following topics, among others: American political culture, the Constitution, federalism, civil liberties, civil rights, public opinion, media, political parties, campaigns and elections, interest groups, Congress, the presidency, the federal bureaucracy, and the federal courts.

**AP World History**

This course spans the Neolithic age to the present in a rigorous academic format organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human-environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition to mastering historical content, students cultivate historical-thinking skills that involve crafting arguments based on evidence, identifying causation, comparing and supplying context for events and phenomenon, and developing historical interpretation.
Grammar and Composition

This refresher course helps students improve their understanding of grammar and usage basics and enhance their communication skills through writing exercises and discussions with their peers. Students start by completing a diagnostic writing assignment to identify strengths and areas for improvement. They receive step-by-step instruction on the writing process, follow activities to develop their grammar skills, and have multiple opportunities to practice formal and informal writing. Students use literature and expository pieces as models for their own writing. They participate in threaded online conversations with the teacher and their fellow students to discuss their writing, receive constructive feedback for revision, and comment on other students’ work. Throughout the course, rubrics help students remember what is expected of them and help them produce their best work.

English I

English I is a ninth-grade language arts course that requires students to analyze literature, literary nonfiction, speeches, and multimedia sources. The course is an introduction to high school language arts, and explores a variety of literary genres and types of informational texts. Both classic and contemporary pieces provide an assortment of ideas and perspectives for students to explore as “literary tourists.” Through reading, writing, and interaction with peers, students think critically about universal themes and build a foundation to support future learning in language arts. The course provides many opportunities for students to develop and hone their language and vocabulary skills using authentic literary texts as models. Students use graphic organizers, checklists, and rubrics to evaluate and improve their reading, writing, language, and presentation skills.

English II

English II is a tenth-grade language arts course that requires students to analyze literature, literary nonfiction, speeches, and multimedia sources. The emphasis of the course is world literature; American pieces are included to provide counterpoints as they relate to the themes and targeted objectives. As students explore global literary fiction and nonfiction, they learn how cultural context impacts the themes and styles of the different pieces, but also how many aspects of the human experience are universal and transcend time and place. The course provides many opportunities for students to hone their language and vocabulary skills using authentic literary texts as models. Students use graphic organizers, checklists, and rubrics to evaluate and improve their reading, writing, language, and presentation skills.

English III

English III is a literature survey course that navigates chronologically through the periods of American literature from Native American oral traditions through contemporary works of poetry, fiction, drama, and nonfiction. Each unit explores a literary movement through a unique theme. Literature of each period becomes the basis of study for models of literary analysis and
modes of rhetorical writing. Each lesson engages the student through interactive introduction to concepts and skills, guided practice of those skills and concepts, and an assessment of the student’s mastery. Learning activities include reading, listening, discussing, writing, completing multiple-choice games and self-check activities, completing writing projects, and taking quizzes and exams. Units include a combination of activities and assessments and culminate in either a unit exam or a unit writing project. Students are encouraged to incorporate media, creative expression, and research into unit projects to prepare them for life outside of the classroom in our out-of-the-box, media-centric world.

English IV

English IV is a grade 12 language arts course that requires students to analyze literature, literary nonfiction, speeches, and multimedia sources. The emphasis of the course is British literature; American titles are included to provide counterpoints as they relate to the themes and targeted objectives. Students analyze literary and universal themes in classic British literature, while relating those themes to informational pieces that examine social issues across history. The course encourages students to think critically as they analyze human challenges and to consider the lessons of the past as they navigate the future. Students have many opportunities to hone their language and vocabulary skills using authentic literary texts as models. Graphic organizers, checklists, and rubrics help students evaluate and improve their reading, writing, language, and presentation skills.

Creative Writing

Students create original essays, poems, and short stories in this course, which uses two textbooks and focuses on the four-step process writing model. They read professionally written forms of creative writing as models and then integrate their impressions of these works with their personal life experiences as they compose their own writing projects. Students are encouraged to write about topics they find engaging as they practice writing on the following themes: narration, definition, process analysis, cause and effect, and comparison/contrast. After students turn in each assignment, the teacher supplies detailed suggestions for revision. This feedback helps students learn how to improve their self-expression and self-editing skills.

Journalism

In this one-semester course, students produce news stories, editorials, features, and sports articles as they learn the basics of journalism. The course uses a textbook and covers laws and ethics, freedom of the press, and the principles of journalistic writing. Students learn how to generate ideas and conduct interviews. They improve their writing skills by concentrating on properly organizing their ideas and using correct grammar and vocabulary as they compose their articles and assignments. In the process, they learn how to think critically about the main ideas, points of view and bias, validity of sources, and the relevance of the various topics they write about.
Consumer Math

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slide shows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher.

Developmental Algebra

This is the first course in a two-year algebra sequence that concludes with Continuing Algebra. In this course, students begin to explore the tools and principles of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; and solve systems of linear equations. Sophisticated virtual manipulatives and online graphing tools help students visualize algebraic relationships. Developmental Algebra covers fewer topics than a one-year algebra course, providing students with more time to learn and practice key concepts and skills. After completing Developmental Algebra, students will be prepared to take Continuing Algebra.

Continuing Algebra

This is the second course in a two-year algebra sequence. In this course, students build on what they learned in Developmental Algebra to complete their knowledge of all topics associated with a deep understanding of Algebra I. They learn about relations and functions; radicals and radical expressions; polynomials and their graphs; factoring expressions and using factoring to solve equations; solving quadratics, rational expressions; and logic and reasoning.

Pre-Algebra

This course builds on essential arithmetic skills to provide a foundation for the algebraic concepts students need to succeed in Algebra I and higher-level math courses. Pre-Algebra course content includes real numbers and linear equations, linear inequalities, factoring, fractions, graphing, and elements of geometry. Students study these topics in a self-paced environment that includes a series of randomly generated math problems to help them practice and apply the content they are learning. Students receive immediate feedback on their answers to these math problems. Lessons are supplemented with practice activities, homework, and quizzes; problems in these supplemental elements are formatted like each other to help reinforce the content and help students develop their problem-solving skills.
Algebra I

The purpose of this course is to allow the student to gain mastery in working with and evaluating mathematical expressions, equations, graphs, and other topics in a yearlong algebra course. Topics included are real numbers, simplifying real number expressions with and without variables, solving linear equations and inequalities, solving quadratic equations, graphing linear and quadratic equations, polynomials, factoring, linear patterns, linear systems of equality and inequality, simple matrices, sequences, and radicals. Assessments within the course include multiple-choice, short-answer, or extended response questions. Also included in this course are self-check quizzes, audio tutorials, and interactive games.

Algebra I Extended Learning

The purpose of this course is to help students master working with and evaluating mathematical expressions, equations, graphs, and other topics, with an emphasis on real-world applications throughout this year-long course. Unlike a traditional Algebra course, this course contains a built-in diagnostic to assess foundational pre-algebra skills, and provide immediate instruction of those skills as necessary. If mastery is not achieved following core instruction, alternative activities are presented to improve comprehension. The first semester includes an introduction to real numbers and variable expressions; methods for solving equations; understanding functions and relations; and an in-depth study of linear and quadratic functions. The second semester provides students with extensive instruction in systems of equations and inequalities; exponential and radical functions; rational expressions and equations; as well as probability and statistics.

Integrated Mathematics I

This first-year high school integrated math course focuses on linear and simple exponential models. The course contrasts linear behavior with exponential behavior, and uses both linear and simple exponential equations as models. Students learn about and work extensively with functions—analyzing function properties and behavior, creating new functions from known functions, and applying functions to various continuous and discrete situations. The statistics in the course focus on modeling. Geometry topics covered in the course include constructions, transformations, similarity, and congruence—and students use the Pythagorean theorem in analytic geometry contexts.

Geometry

Geometry builds on students’ prior knowledge by helping them make a connection to the concepts they learned in Algebra I. In this course, they are introduced to the basic elements of geometry and then move on to proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, congruence and similarity, surface area, volume, and transformations. Content is accompanied by numerous graphics and illustrations in this very visual course. Narrated slideshows make it easier for students to understand the more
challenging concepts presented. Lessons are supplemented with interactive problems that let students practice what they’ve learned before they complete homework assignments and take assessments.

**Integrated Mathematics II**

Integrated Mathematics II, a second-year high school math course, focuses on extending the number system to include irrational and complex numbers, as well as computation with quadratic polynomials. The course continues with quadratic expressions, equations, and functions, including making comparisons to their linear and exponential counterparts, covered in Integrated Mathematics I. The course also introduces conditional probability as a way to make better decisions when given limited information. Geometry topics covered in the course include similarity, right triangle trigonometry, and volume. Students use the tools of analytic geometry, synthesizing algebra, and geometry concepts, to describe circles and parabolas in the coordinate plane.

**Algebra II**

Content covered in Algebra II includes functions, radical functions, rational functions, exponential and logarithmic functions, trigonometry, geometry, conic sections, systems of equations, probability, and statistics. As students study the progressively more challenging topics in this course, they need more practice and feedback. To meet this need, Algebra II introduces the use of a math tutorial lab, which gives students an open forum to discuss concepts with other students and to receive teacher input. The course includes custom animations and flash tutorials to help explain the content. Students learn how to apply the concepts and skills taught in this course to real-world scenarios.

**Integrated Mathematics III**

In this third-year high school math course, students encounter unified instruction reviewing and expanding all previous high school math topics. First, they extend their work on polynomials beyond quadratics to graphing, problem solving, and working with rational expressions. Next, they use statistical and probability tools, such as the standard normal distribution, to understand data. Students make inferences using simulations, experiments, and surveys. In geometry, they extend trigonometric concepts to general triangles and use trigonometric functions to model periodic processes. Finally, students substantially use mathematical modeling by making use of well-developed skills with various mathematical tools.

**Pre-Calculus**

This one-semester course, which covers advanced algebraic and introductory calculus topics, prepares students to take Calculus. Content includes polynomial functions, polar coordinates, complex numbers, conic sections, exponential functions, logarithmic functions, sequences, and series. The course presents the more challenging concepts through custom flash tutorials and
Math provides lots of opportunities for students to practice their problem-solving skills. Lessons are supplemented with narrated example problems that reinforce the concepts taught and help students apply these concepts as they complete their homework assignments. Pre-Calculus helps students understand how major pre-calculus topics relate to real-world situations and how it is used within the greater context of mathematics.

**Trigonometry**

After students complete this one-semester course, they will have an understanding of how trigonometry is used in daily life and how it relates to other mathematical topics. The course begins with an introduction to trigonometry, including functions and relations, domain and range, composition of functions, performing operations on functions, and graphing functions. Lessons go on to cover trigonometric ratios, graphing trigonometric functions, and trigonometric laws and identities. Like Geometry, Trigonometry is a very visual course; much of the content is accompanied with graphics and illustrations. There are custom self-checks throughout this course that pose problems in a “What do you think?” format. After completing the problems, students can check their answers as well as their problem-solving procedures.

**Calculus**

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course, students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they’ve learned. Students will use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.

**Personal Finance**

Understanding financial management concepts is an important life skill that forms the crux of the one-semester Personal Finance course. Students learn to understand the consequences of their financial choices, from credit and debt to insurance, taxes, investments, and discretionary spending. Instructional material surveys typical personal financial needs and emphasizes the basics of budgeting. Through activities and projects with practical applications, students taking this course learn to better prepare for and secure their financial futures. Unit topics in this elective course include: Money Management (personal financial planning and checking); Financial Security (savings, investments, and risks); Credit Management; Risk Management; and Taxes and Employment Forms.
**Physical Science**

Physical Science serves as an introductory course that prepares students for high school biology, chemistry, and physics courses. In this course, students learn about the nature of science, including scientific processes, the scientific method, and scientific inquiry. The course covers safety in the lab and the field, principles for conducting experiments, and the need for scientific communication. Instructional content includes the atomic nature of matter, classification of the elements, the periodic table, acids, and bases. Students explore the various forms of energy and energy transformations and discuss the production of electricity. The course concludes with a unit on the composition and structure of the universe, the life cycles of stars, and space exploration.

**Earth Science**

In this course, students learn about the history of life on Earth and the development of the geologic time scale. The course includes instruction on how to carry out scientific investigations both in the lab and in the field. Students explore Earth’s terrestrial, atmospheric, and marine ecosystems and discover how human activities affect them. They analyze maps to describe geologic features and meteorological data. Content covers the properties of rocks and minerals, the theory of plate tectonics, the processes of weathering and erosion, and climate patterns. The course concludes with a unit on the structure and composition of the solar system.

**Biology**

Students receive an introduction to general biology in this course, with an emphasis on the processes of scientific inquiry and logical thinking. Instruction covers the fundamental principles of living organisms, including the physical and chemical properties of life, and cellular organization and function. Over the span of two semesters, students gain an understanding of the transfer of energy through metabolic systems, cellular reproduction, the classification of living things, and the six kingdoms of life. This course presents information in an understandable and straightforward way that captures students’ interest while introducing them to up-to-date scientific concepts and procedures.

**Chemistry**

This course enhances inquiry-based learning activities while adhering closely to standards for teaching chemistry. Instruction emphasizes the mathematical, theoretical, and experimental bases of modern chemistry. Students learn fundamentals such as the periodic table, ionic compounds, chemical reactions, different states of matter, thermodynamics, and nuclear chemistry. Throughout this course, students actively engage in exploration and analysis that will improve their ability to explain and predict phenomena using scientific skills. An optional hands-on lab kit is available for purchase with this course. Chemistry is a course for students in grades 11 or 12, and requires the successful completion of lower-level science courses and math skills from Algebra I or above.
Physics
In this course, students learn the fundamentals of physics and gain an understanding of how this branch of science is interconnected with the everyday world. Students explore the concepts of motion, force, gravitation, thermodynamics, the behavior of light and sound waves, and the relationship between electricity and magnetism. They are encouraged to use critical thinking and scientific problem solving to make informed decisions and reach logical conclusions. Approximately forty percent of the course involves virtual laboratory investigations. Some activities require ordinary household items, such as rulers, meter sticks, balls or marbles, string, paper, and pencils. Students must have successfully completed Algebra II to enroll in Physics; Geometry is also recommended.

Environmental Science
Environmental Science is a multidisciplinary field that draws from the physical sciences in addition to other fields. This course teaches the connection between all living organisms within an ecosystem. It helps students better understand the impact humans have on the world around them and the ways in which individuals can influence the environment through their actions. Environmental Science explains the concept of biome as a region defined by a specific climate, plant life, and animal community. Content highlights the critical value of clean water, the impact of pollution, agricultural and population issues, and various types of existing and future energy resources and technologies.

Forensic Science
This one-semester course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. Prerequisites for Forensic Science are at least two years of high school science, including Biology (or equivalent); Chemistry is highly recommended.
**World History**

This World History course examines human development from the dawn of civilization to the present day. Students learn about the socioeconomic conditions, political institutions, and ideological attitudes that have marked various time periods throughout history. Using primary and secondary sources, students conduct inquiry-based research to examine historical events, cultural developments, and social and family structures. They also participate in interactive discussions and analyze statistics and data from maps, charts, and graphs. Students are encouraged to use their critical-thinking and problem-solving skills to evaluate the achievements of civilizations in the fields of science, technology, and the arts.

**Geography**

This course explores world geography on a region-by-region basis and covers a broad range of geographical perspectives. Each unit covers one continent or other major geographical region of the world. Units include North America, Central America, South America, Western Europe, Eastern Europe and Russia, East Asia, Southeast Asia and the Pacific Cultures, Africa, India, and the Middle East. Students first learn about each region’s landforms, climate, and population. They then examine that region’s cultural, economic, and political institutions. Each unit is presented in a parallel format to facilitate interregional comparisons and allow students to see the similarities and differences between the regions more clearly.

**American History**

The instructional content of this course spans the length and breadth of American history from the origins of the nation’s democratic principles through the contemporary domestic and world issues affecting America’s security and prosperity. Students analyze key documents and events that have shaped the nation’s development. They also identify and examine political leaders and other individuals who have played a major role in U.S. history. This course is organized into ten units: Settling America, Forming the Republic, The Civil War, A Growing Nation, America as a World Power, The Twenties, World War II and Beyond, The Sixties, The Road to the Modern Era, and Charting a New Course.

**American Government**

This one-semester course covers the historical background, guiding principles, and political institutions that together constitute the government of the United States. Students examine the structure, function, and power of government at the local, state, and national levels. They gain an understanding of the principles of popular sovereignty, separation of powers, checks and balances, republicanism, federalism, individual rights, and the roles of individuals and groups in the American political system. Instructional material is presented in seven units: Introduction to Government and Politics, Roots of the American Constitution, Principles of American Government, The Federal System, Civil Rights and Liberties, Participation in a Democracy, and Institutions of Government.
**Economics**

This one-semester course provides students with an introduction to basic economic principles, such as how governments use limited resources to best satisfy people’s wants and needs. Key topics include the law of supply and demand; allocation of goods and services; monetary and fiscal policy, saving, borrowing, and spending; the Federal Reserve System and the money supply; unemployment; and inflation. Students learn about the important roles that competition, scarcity, incentives, profit, interest rates, trade, and government regulation play in an open free market economy, and how fundamental decisions about the four factors of production (land, labor, capital, and entrepreneurship) are made.

**Civics**

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government’s foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

**Anthropology**

Anthropologists research the characteristics and origins of the cultural, social, and physical development of humans and consider why some cultures change and others come to an end. In this one-semester course, students are introduced to the five main branches of anthropology: physical, cultural, linguistic, social, and archeological. Through instruction and their own investigation and analysis, students explore these topics, considering their relationship to other social sciences such as history, geography, sociology, economics, political science, and psychology. Emulating professional anthropologists, students apply their knowledge and observational skills to the real-life study of cultures in the United States and around the world. The content in this course meets or exceeds the standards of the National Council for the Social Studies (NCSS).

**Contemporary World Issues**

Students analyze governments, economies, peoples, and cultures from around the world in this course. Instruction emphasizes the structures and policies of the United States and how they compare to other systems in the international community. Students apply critical thinking and research skills to examine current events and contemporary issues, including human rights, the strengths and weaknesses of globalization, America’s role in the international economy, the severe environmental threats facing many regions around the world today, how religion is often used to facilitate and justify violence, and America’s “War on Terror” and its impact on the Middle East and Islamic culture.
Family and Consumer Science

In this one-semester course, students develop skills and knowledge to help them transition into adult roles within the family. They learn to make wise consumer choices, prepare nutritious meals, contribute effectively as part of a team, manage a household budget, and balance roles of work and family. They gain an appreciation for the responsibilities of family members throughout the life span and the contributions to the well-being of the family and the community.

Psychology

In this one-semester course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key terms of psychology and how to apply psychological principles to their own lives. Unit topics include: Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.
3D Art I—Modeling

This course introduces students to 3D modeling tools and concepts. Using Blender, the popular open-source 3D modeling package, students learn the basics of creating shapes, adding textures and lighting, and rendering. By the end of the course, students produce a series of increasingly sophisticated projects for their 3D portfolio. This course is suitable for students with no prior experience in 3D game design or digital media authoring tools.

3D Art II—Animation

In this advanced course, students build on the skills they developed in 3D Art I to learn 3D animation techniques. Using Blender, a powerful open-source modeling tool, students master the basics of animation—rigging, bones, and movement—while learning how to apply traditional animation techniques to their 3D models.

Computer Fundamentals

In this two-semester introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, the operating system, and software applications. Students practice using key applications such as word processors, spreadsheets, and presentation software, and examine social and ethical issues around the Internet, information, and security.

In the first semester, the focus is on the fundamentals: learning and using applications and understanding the basic roles and responsibilities of software, hardware, and operating systems. In the second semester, the focus is on gathering and analyzing data, and using the right tools and methods to collect and present data. This course should not be taken if the student has already completed Computer Literacy.

Computer Literacy

Students must be able to use technology effectively to research, organize, create, and evaluate information. In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students practice using key applications such as word processing, spreadsheet and presentation software, and examine social and ethical issues around the Internet, information, and security.

In the first part of the course, the focus is on the fundamentals: learning and using applications, and understanding the basic roles and responsibilities of the software, hardware, and operating system. The second part of the course focuses on gathering and analyzing data, and using the right tools and methods to collect and present data. This course should not be taken if the student has already completed Computer Fundamentals.
TECHNOLOGY AND COMPUTER SCIENCE

Digital Photography

This course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students are introduced to the history of photography and basic camera functions. They use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-ups, and action photographs.

Game Design

Game Design introduces students to the basic skills necessary for game design. Instructional materials highlight the various games in the industry and analyze their approach in terms of design and development. Students explore both the artistic and technical processes of developing game elements such as story, levels, sound, and user interfaces. They merge all these elements into a functional prototype to demonstrate their understanding of the game design process. Unit topics in this one-semester course include history, player elements, genres, elements of game play, setting platform, game generations, and player modes. The following software is required for this course: Blender (freeware), TrackMania Nations (freeware), and Multimedia Fusion Developer (demo).

Image Design and Editing

This introductory design course is for students who want to create compelling, professional-looking graphic designs and photos. Students learn the basics of composition, color, and layout through the use of hands-on projects that allow them to use their creativity while developing important foundational skills. They use GIMP software to create a graphic design portfolio with a wide variety of projects involving the mastery of technical topics, such as working with layers and masks, adding special effects, and effectively using typefaces to create visual impact. The projects help students develop the skills they need to create and edit images of their own.

Java Programming

This introductory-level, one-semester course is designed for people who have very little programming experience. In Java Programming, students gain an understanding of Java platforms and learn how to build a stand-alone application, such as a countdown clock or leap year indicator. Students also learn the techniques of Java and how Java can be used in cross-platform programming. At the end of the course, students are able to write basic programs using Java and are prepared to pursue further instruction in any programming language. Prior coursework in computer fundamentals and programming are prerequisites for Java Programming. JDK 1.5 or a higher version Java application is required for this course.
**TECHNOLOGY AND COMPUTER SCIENCE**

**VB.NET Programming**
Students learn basic programming and the essential concepts of VisualBasic.NET (VB.NET) in this one-semester course. As an introduction to VB.NET, students are taught the basic uses of the programming language, its similarities to the English language and others, its architecture, program flow, and its flexibility as a programming language. The course helps participants understand the processes involved in software development and object-oriented programming. This course provides an introduction to programming that could lead to careers such as software engineer, developer, or game designer. Prior coursework in computer fundamentals is a prerequisite. Visual Studio 2008 Express Edition is required software for this course.

**Web Design**
This course provides a comprehensive introduction to the essentials of web design, from planning page layouts to publishing a complete site to the web. Students learn how to use HTML to design their own web pages. The course covers basic HTML tags for formatting text, as well as more advanced tags. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools.
**Accounting**

In this introductory course, students gain a foundation in the skills needed for college accounting courses, office work, and managing their own small businesses. They also build an appreciation for the role of accounting in managing a profitable business. The course provides an overview of the three forms of accounting: financial, cost, and management accounting. Instructional material covers the basic concept conventions and rules of the double entry system—and includes techniques for analyzing ratios from a balance sheet. The concepts of ethics, integrity, confidentiality, and rigor are woven through all the units.

**Art Appreciation**

This one-semester course introduces students to various forms of the visual arts, such as painting, sculpture, and film. Students learn how to critically examine a work of art in historical, social, and cultural contexts; identify and compare key characteristics in artworks; and understand the role art has played throughout history. Through hands-on activities, virtual museum tours, discussion, and research, students develop the ability to explain the significance of artworks in Western and non-Western cultures; identify the medium and technique used to create works of art; and analyze formal elements, principles of design, and stylistic characteristics found in artworks from various art historical periods.

**Career Planning**

Students use an informative interactive process to explore career and life options in this one-semester elective. They begin with a thorough examination of their own interests, aptitudes, achievements, and personality styles. Instructional material then helps them match job market information, interview techniques, training requirements, and educational paths to potential careers that suit their strengths and personal priorities. Successfully completing this course gives students the ability to identify and describe their personal interests, aptitudes, and lifestyle goals; locate and evaluate information about different careers; identify the skills and knowledge needed for careers of interest and how to obtain them; and create an entrepreneurial business plan.

**Driver Safety**

Driver Safety can provide a foundation for a lifetime of responsible driving. Instructional material in this course emphasizes the mechanics of driving operations and the rules of safe driving. Among other topics, students learn how to assess and manage risk; handle social pressures; understand signs and signals; comprehend the rules of the road; and start, steer, stop, turn, and park a car. They also learn how to contend with driving environments, including light and weather conditions, share the roadway, respond to an emergency, buy and maintain a car, plan a trip, take a state driving test, and partner with their parents or guardians to promote safety on the road. Students use a textbook for this one-semester course. This course may not satisfy the state department of transportation’s or motor vehicle’s requirements for learners permit issuance. Please consult local requirements prior to enrolling.

- 0.5 credit course
- new course
Health

This high school course helps students develop the knowledge and skills they need to make healthy decisions that allow them to stay active, safe, and informed. Students learn about the components of a healthy lifestyle and learn strategies for making healthy choices. Instructional material introduces students to the concepts of mental health, emotional health, social health, consumer health, and physical health. It presents opportunities for students to apply their value systems to decisions concerning their own health. Students develop communication skills in this one-semester course that allow them to demonstrate healthy choices with respect for self, family, and others.

Life Skills

This one-semester elective is designed to increase students’ knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal-setting and planning, and solving problems. Instructional material focuses on dealing with media and peer pressure, communication and relationships, working with others, avoiding and/or resolving conflict, decision making, wellness and personal safety, aspects of good citizenship, environmental awareness, and how students can contribute to their own community. The course is organized in six units: Course Introduction; Thinking About Yourself; Thinking for Yourself; Taking Care of Yourself; Caring for Your Relationships; and Caring About Your World.

Music Appreciation

Students receive an introduction to the elements, instrumentation, and history of music in this one-semester course. Instructional materials emphasize the significance of surroundings and time periods and how they influenced the music of the day. Students listen to and evaluate several types of music and are assessed on their comprehension through projects, presentations, and exams. After completing the course, students have the skills to identify basic musical elements, compare and contrast elements in different musical genres, identify key musical time periods and their characteristics, identify significant composers and musicians from different time periods, describe different instrumentations in music, and develop critiques of musical pieces based on information in the course.

Nutrition and Wellness

This one-semester elective course provides students with an overview of good nutrition principles that are necessary for physical and mental wellness and a long, healthy life. Instructional materials include discussions of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition. The Nutrition and Wellness course emphasizes an understanding of today’s food and eating trends and gives students the capacity to intelligently evaluate all available sources of nutrition information and make informed decisions. The course is organized in six units: Course Introduction; Wellness and Food Choices in Today’s World; Digestion and Major Nutrients; Body Size and Weight Management; Physical Fitness, Sports Nutrition, and Stress; and Life Cycle Nutrition.
Physical Education

This high school course focuses on the fundamental components and principles of fitness. Physical Education examines safety guidelines, proper technique, and exercise principles such as FITT: Frequency (how often you exercise), Intensity (how hard you work during exercise), Time (how long you exercise), and Type (what type of activity you do). Students assess their current level of fitness in relation to the five components of physical fitness: flexibility, cardiovascular health, muscular strength, muscular endurance, and body composition. This two-semester course equips students with strategies to help them begin, design, and maintain an exercise program to keep them fit for life.
French I

Students receive a thorough grounding in the basics of the French language in this introductory, two-semester course. French I has been designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, listening, reading, and writing. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused on a specific theme.

Middlebury French I

Students begin their introduction to French by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

French II

French II continues the learning process that began with French I and adheres to the standards of ACTFL. Instructional material introduces students to new grammar and vocabulary and allows them to build conversational and reading skills to cover many common situations in daily life. Unit topics include daily routine, animals, entertainment, body parts, rooms and furniture, shopping and clothing, meals, sports and recreation, and transportation. Unit activities blend different forms of communication and culture to ensure that standards are met. The successful completion of French I is a prerequisite for this course.

Middlebury French II

Students continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and
grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored. By the second semester, the course is conducted almost entirely in French. The course has been carefully aligned to national standards as set forth by ACTFL.

**French III**
This course builds on knowledge that students acquired in the beginning-level courses, French I and II, and aligns with national ACTFL standards. Students learn to express themselves using present, past, future, and conditional tense verbs in increasingly complex grammatical constructions. They become familiar with idiomatic expressions common to daily French speaking and build vocabulary in order to be able to converse on a wider variety of themes in French. Instruction includes more material on French culture, geography, and history than in earlier courses, giving students the opportunity to learn about France and other francophone countries around the world.

**Middlebury French III**
Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; read and analyze important pieces of literature; and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in French, and has been carefully aligned to national standards as set forth by ACTFL.

**French IV**
Students complete their high school French language education with this two-semester course that, like all of its predecessors, conforms to the national standards of the ACTFL. The instructional material in French IV enables students to use the conditional and subjunctive tenses, and talk about the past with increasing ease, distinguishing which tense to use and
when. It also helps students hone their listening skills to enhance their understanding of native speech patterns on familiar topics. Students expand their knowledge of French-speaking countries’ culture, history, and geography and learn about francophone contributions in the arts. Students must pass French III as a prerequisite.

**German I**

German I provides an introduction to the basics of the German language and the German-speaking world. This two-semester course has been constructed to meet ACTFL standards that dictate a pedagogical method that focuses on successful communication through speaking, listening, reading, and writing. Unit topics consist of the alphabet and numbers; greetings; introductions; the calendar (days, months, and seasons); weather; time; colors; familiar objects and places; family; food; pastimes; and school objects and routine. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

**Middlebury German I**

Students begin their introduction to German by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

**German II**

Instructional content in German II introduces students to new grammar and vocabulary and allows them to build conversational and reading skills to cover many common situations in daily life. Like German I, this follow-up course adheres to ACTFL standards. Learning activities in each unit are focused on a specific theme. The units for both semesters cover a broad range of useful everyday subjects, including daily routine, animals, entertainment, body parts, rooms and furniture, shopping and clothing, meals, sports and recreation, and transportation. Students must successfully complete German I in order to enroll in this course.
Middlebury German II

Students continue their study of German by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; and take frequent assessments where their language progression can be monitored. By the second semester, the course is conducted almost entirely in German. The course has been carefully aligned to national standards as set forth by ACTFL.

German III

This course expands the scope of concepts and information that students mastered in the German I and II courses and aligns with national ACTFL standards. Students learn increasingly complex grammatical constructions, such as present, imperfect, perfect, and future tenses; reflexive and modal verbs; prepositions; conjunctions; relative pronouns; and adjective endings. Unit themes in this two-semester course include vacations, travel, leisure time, healthy living, body parts and ailments, family members, rights and responsibilities, household chores, university study, military service, personal relationships, the importance of appearance, emotions, fairy tales, and animals. Unit activities blend different forms of communication and culture.

German IV

German IV builds on the foundation of the first three courses. Students continue to sharpen their speaking, listening, reading, and writing skills while also learning to express themselves on topics relevant to German culture. Authentic texts, current culture, and literature from Germany, Austria, and Switzerland all form part of the instructional material for this course. Each unit focuses on a particular region or city and includes such themes as culture, tourism, and current events. These units cover topics such as contemporary and classical music, expressing opinion, German history, transportation, family weekend travel, shopping, free-time activities, technology, multiculturalism, education, and careers.
**World Languages**

**Japanese I**

Students become familiar with the fundamental concepts and constructions of the Japanese language as well as the rich and ancient world of Japanese culture in this two-semester course. Japanese I has been designed to meet ACTFL standards. Unit topics consist of the alphabet and numbers; greetings; introductions; the calendar (days, months, and seasons); weather; time; colors; familiar objects and places; family; food; pastimes; and school objects and routine. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

**Japanese II**

In Japanese II, course content blends different forms of communication and culture via unit activities to ensure that students meet all ACTFL standards. These standards call for a focus on successful oral and written communication as well as a through grounding in Japanese culture. Unit themes for both semesters cover a broad range of useful everyday subjects, including daily routine, animals, entertainment, body parts, rooms and furniture, shopping and clothing, meals, sports and recreation, and transportation. Students must successfully complete Japanese I in order to enroll in this course.

**Latin I**

This two-semester course provides an introduction to the fundamentals of Latin grammar. Students develop the skills necessary to translate basic sentences from Latin into English and from English into Latin, and to read simple connected passages of Latin prose and poetry. In the process, students learn how verb conjugations and noun declensions work in a highly inflected language and how to analyze the structure of Latin sentences. The course includes a cross-cultural component, introducing students to the world of ancient Rome by allowing them to acquire knowledge—through word study—of Roman institutions, practices, religious beliefs, and ideological ways of thought.

**Middlebury Latin I**

Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such
prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; understand and analyze the cultural and historical contexts of the ancient sources they study; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

**Latin II**

Latin II builds on the foundation in Latin grammar provided by the Latin I course and also includes an in-depth study of Roman mythology and history. Students expand their use of declensions, adjectives, adverbs, and cases. These skills enable them to translate longer Latin texts into English that require a more complex knowledge of grammar rather than just vocabulary. To practice oral Latin skills, students engage in conversations, seek and give items of information, express feelings and emotions, and exchange opinions. Latin II also takes students on a tour of the ancient classical world, including literature, historical workers, and the lives of famous and influential Romans.

**Middlebury Latin II**

Students continue with their study of Latin through ancient, time-honored classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, prepare students for a deeper study of Latin. Each unit consists of a new vocabulary theme and grammar concept; reading comprehension activities; writing activities; multimedia culture, history, and mythology presentations; and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning; understand and use common vocabulary terms and phrases; comprehend a wide range of grammar patterns; understand and analyze the cultural and historical contexts of the ancient sources they study; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.
**Mandarin (Chinese) I**

Mandarin (Chinese) I introduces students to the study of the Chinese language. Students learn listening, speaking, reading, and writing skills through activities that are based on pedagogically proven methods of world language instruction. Instructional material introduces simple grammatical concepts in innovative ways and provides practice activities with a variety of learning styles in mind. This two-semester course sprinkles culture throughout the units to help students focus on the Chinese-speaking world, its culture, people, geographical locations, and history. Unit themes include greetings, numbers, family members, school life, clothing, daily routine, shopping, and restaurant menus. The course is aligned with national ACTFL standards.

**Middlebury Chinese I**

Students continue their study of Mandarin Chinese by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course, and students are expected to learn several characters each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Chinese-speaking countries; and take frequent assessments where their language progression can be monitored. By the second semester, the course is conducted almost entirely in Chinese. The course has been carefully aligned to national standards as set forth by ACTFL.

**Mandarin (Chinese) II**

This two-semester course is a continuation of the introductory-level Mandarin (Chinese) I course. It presents students with new, more complicated areas of Chinese language learning. Units cover a variety of material that is useful to students learning everyday conversational arts. Themes include daily routine, animals, hobbies, the body, descriptions, home life, shopping, entertainment, sports, and travel. Throughout the course, students learn to express themselves using an ever increasing vocabulary of present tense verbs, articles, and adjectives. They gain the skills and confidence necessary to talk about daily activities, leisure-time pursuits and hobbies, body parts and their function, and people and culture.
Middlebury Chinese II

Students continue their study of Mandarin Chinese by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course, and students are expected to learn several characters each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Chinese-speaking countries; and take frequent assessments where their language progression can be monitored. By the second semester, the course is conducted almost entirely in Chinese. The course has been carefully aligned to national standards as set forth by ACTFL.

Spanish I

Spanish I gives students an introduction to the basics of the Spanish language and the Spanish-speaking world. This two-semester course aligns with ACTFL national standards, which dictate a pedagogical method that focuses on successful communication through speaking, listening, reading, and writing. Course unit topics include the alphabet and numbers; greetings; introductions; the calendar (days, months, and seasons); weather; time; colors; familiar objects and places; family; food; pastimes; and school objects and routine. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

Middlebury Spanish I

Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and
respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

**Spanish II**
Students receive additional grounding in grammar and vocabulary in this two-semester course. Instructional material encourages students to build conversational and reading skills to cover many common situations in daily life. Like Spanish I, this follow-up course adheres to ACTFL standards. Learning activities in each unit are focused on a specific theme. The units for both semesters cover a broad range of useful everyday subjects, including daily routine, animals, entertainment, body parts, rooms and furniture, shopping and clothing, meals, sports and recreation, and transportation. Students must successfully complete Spanish I in order to enroll in this course.

**Middlebury Spanish II**
Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in Spanish, and has been carefully aligned to national standards as set forth by ACTFL.

**Spanish III**
This course builds on the grammatical concepts and vocabulary that students mastered while completing the Spanish I and II courses. Spanish III fully aligns with national ACTFL standards. Students learn increasingly complex grammatical constructions, such as present, imperfect, perfect, and future tenses; reflexive and modal verbs; prepositions; conjunctions; relative pronouns; and adjective endings. Unit themes in this two-semester course include chores, directions, feelings, future plans and travel, geography, countries and nationalities, health, household items, measurements, occupations, and personal history. Unit activities blend different forms of communication and culture.
**Middlebury Spanish III**

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in Spanish, and has been carefully aligned to national standards as set forth by ACTFL.

**Spanish IV**

Fourth-year Spanish expands on the foundation of Spanish grammar and vocabulary that students acquired in the first three courses. As with all the earlier offerings, this culminating-level Spanish language course conforms to ACTFL standards. Students continue to sharpen their speaking, listening, reading, and writing skills while also learning to express themselves on topics relevant to Spanish culture. The two-semester course is divided into ten units whose themes include people, achievements, wishes and desires, activities, celebrations, possibilities, the past, the arts, current events, and wrap up and review.
### Archaeology

George Santayana once said, “Those who cannot remember the past are condemned to repeat it.” The field of archaeology helps us better understand the events and societies of the past that have helped shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Students also learn about the relationship of material items to culture and what we can learn about past societies from these items.

### Art in World Cultures

Who is the greatest artist of all time? Leonardo da Vinci? Claude Monet? Michelangelo? Pablo Picasso? Is the greatest artist of all time someone whose name has been lost to history? Students will learn about some of the greatest artists while also creating art of their own, including digital art. The course explores the basic principles and elements of art, how to critique art, and how to examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

### Astronomy

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe. This course introduces students to the study of astronomy, including its history and development; basic scientific laws of motion and gravity; the concepts of modern astronomy; and the methods used by astronomers to learn more about the universe. Additional topics include the solar system; the Milky Way and other galaxies; and the sun and stars. Using online tools, students examine the life cycle of stars; the properties of planets; and the exploration of space.

### CareerExplorations in Business and Healthcare

Students explore basic concepts in the broad areas of business and healthcare as well as career options in each area. **Business:** In addition to studying concepts of entrepreneurship, accounting, and marketing—students explore these concepts on scales that range from a single person to nations. **Healthcare:** This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases.

### Careers in Criminal Justice

The criminal justice system may be a good career option for students who want to help prevent crime and maintain order in society. This course provides an overview of the wide range of career opportunities in the criminal justice system, from law enforcement to forensic scientists.
to lawyers and judges. Students will learn about the trial process, the juvenile justice system, and the correctional system. Students will explore careers in each area, including job expectations and training requirements.

**Cosmetology**

Students will explore career options in the field of cosmetology. Research into some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology-related businesses will also be presented.

**Criminology**

In the modern world, many citizens share a concern about criminal behaviors and intent. This course introduces students to the field of criminology, the study of crime. Students look at possible explanations for crime from psychological, biological, and sociological perspectives; explore the categories and social consequences of crime; and investigate how the criminal justice system handles criminals and their misdeeds. The course explores some key questions: Why do some individuals commit crimes while others do not? What aspects of culture and society promote crime? Why are different punishments given for the same crime? What factors—from arrest to punishment—help shape the criminal case process?

**Early Childhood Education**

This course is for students who want to influence children during the most important years of human development—the first few years of life when they learn to walk, talk, run, jump, read, and write, among other milestones. The course focuses on how caregivers can help infants, toddlers, and children grow and develop in positive ways. Students learn how to create fun and educational environments for children; how to keep the environment safe for children; and how to encourage the health and well-being of infants, toddlers, and school-aged children.

**Entrepreneurship**

This course is designed for students who dream of owning their own business to help them understand what they need to know to own and operate a successful business. Students learn how to create a business plan, how to finance a business, and how to price products and services.

**Fashion and Interior Design**

From the clothes we wear to the homes we live in, fashion and design is all around us. In this course, students who have a flair for fashion or who constantly redecorate their room find out what it is like to work in the design industry by exploring career possibilities and the background needed to pursue them. Students learn the basics of color and design, then test their skills through hands-on projects. They also learn essential communication skills that build success in any business. By the end of the course, students are well on their way to developing the portfolio needed to get started in this exciting field.
**Gothic Literature**

Since the eighteenth century, Gothic tales have influenced fiction writers and fascinated readers. This course focuses on the major themes found in Gothic literature and demonstrates how the core writing drivers produce a suspenseful environment for readers. Some of the recurring themes and elements found in the genre are also presented. As they complete the course, students gain an understanding of and an appreciation for the complex nature of Gothic literature.

**Great Minds in Science**

Is there life on other planets? What extremes can the human body endure? Can the global warming problem be solved? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on ten of today’s greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow’s world.

**History of the Holocaust**

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and get glimpses of kindness and humanity in the worst of times.

**Hospitality and Tourism**

With greater disposable income and more opportunities for business travel, people are traversing the globe in greater numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course introduces students to hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other segments of the industry. Students learn about key hospitality issues; the development and management of tourist locations; event planning; marketing; and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

**International Business**

From geography to culture, global business is an exciting topic in the business community today. This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in the global marketplace. It takes a global view of business, investigating why
and how companies go international, and how they are more interconnected. Students gain an understanding of how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations are also explored. The course helps students cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in 21st-century business activities.

**Introduction to Agriscience ✿**

Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and given us materials that have helped us survive. Today, scientists and practitioners are working to improve and better understand agriculture and how it can be used to continue to sustain human life. In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

**Introduction to Culinary Arts ✿**

Food is fundamental to life. Not only does it feed our bodies, but it’s often the centerpiece for family gatherings and social functions. In this course, students learn all about food, including food culture, food history, food safety, and current food trends. They also learn about the food service industry and how to prepare some culinary dishes. Through hands-on activities and in-depth study of the culinary arts field, this course helps students hone their cooking skills and gives them the opportunity to explore careers in the food industry.

**Introduction to Social Media ✿**

Whether students have already dipped their toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this one-semester course, students learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more. They also discover other types of social media they may not have been aware of and how to use them for to benefit personally, academically, and eventually, professionally as well. Students learn that social media platforms are more than just a place to keep track of friends and share personal photos. This course shows them how to use these resources in much more powerful ways.
Law and Order/Legal Studies

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Consumer laws help protect society from faulty goods; criminal laws help protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. By understanding the workings of our court system, as well as how laws are actually carried out, students learn how our lives are guided and regulated by our society’s legal expectations—and become more informed and responsible citizens.

Mythology and Folklore

Mighty heroes. Angry gods and goddesses. Cunning animals. Since the first people gathered around fires, mythology and folklore has been used as a way to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They explore the universality and social significance of myths and folklore, and see how these are still used to shape society today.

Peer Counseling

Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course help prepare students to work as peer counselors, but the skills they learn will enhance their ability to communicate effectively in personal and work relationships.

Philosophy

This one-semester course takes students on an exciting adventure that covers more than 2,500 years of history! Along the way, they run into some very strange characters. For example, they read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. They learn about another eccentric who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As students learn about these great thinkers, they come to see how and where many of the most fundamental ideas of Western Civilization originated. Students also get a chance to ask themselves some of the same questions these great thinkers pondered. By the time they “close the book” on this course, students have a better understand themselves and the world around them—from atoms to outer space—and everything in between.
EXTENDED ELECTIVES

Public Speaking ✿

The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero’s views of rhetoric, and then traces those foundations into the modern world. Students learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, how to build a strong argument, and how to speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.

Real World Parenting ✿

What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. In this one-semester course, students learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent–child relationships are some of the topics covered in this course.

Social Problems I ✿

Students become aware of the challenges faced by social groups as they learn about the complex relationship among societies, governments, and the individual. Each unit focuses on a particular area of concern, often within a global context. Possible solutions at both the structural level as well as that of the individual are examined. Students learn more about how social problems affect them personally, and begin to develop the skills necessary to help make a difference in their own lives and communities, as well as globally.

Social Problems II ✿

The Social Problems II course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. For each issue, students examine the connections in the global arena involving societies, governments, and the individual.

Sociology I ✿

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which we live? Students examine social problems in our
increasingly connected world, and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

**Sociology II**

Sociology is the study of people, social life, and society. By developing a “sociological imagination” students are able to examine how society itself shapes human action and beliefs—and how in turn these factors re-shape society itself! Fascinating online video journeys not only inform students, but motivate them to seek more knowledge on their own.

**Sports and Entertainment Marketing**

A career in sports and entertainment marketing may be just the thing for students who dream about playing sports professionally or becoming an agent for a celebrity entertainer. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, students explore basic marketing principles and delve deeper into the multibillion-dollar sports and entertainment marketing industry. Students learn how professional athletes, sports teams, and well-known entertainers are marketed as commodities, and how some of them become billionaires as a result. They also get a glimpse how things work behind the scenes of major sporting events like the Super Bowl, and how they can play a role in such an event.

**Veterinary Science**

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. In this course, students take a look at the animals that live in our homes, on our farms, and in zoos and wildlife sanctuaries, and examine some of the common diseases and treatments for domestic animals. They also learn about toxins, parasites, and infectious diseases that affect not only the animals around us, but at times, humans as well! The course provides an overview of veterinary medicine and science, and how the prevention and treatment of diseases and other health issues are studied and applied.

**World Religions**

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students trace the major developments in these religions and explore their relationships with social institutions and culture. The course also looks at some of the similarities and differences among the major religions and examines the connections and influences they have.
**English I**

In this credit recovery course, students learn about modern forms of communication and the media, with a focus on the Internet. They also explore elements of fiction and expository texts, build their vocabulary, and develop their language skills through reading and writing assignments. Vocabulary lists and definitions are provided in both English and Spanish. Tools to improve study skills are embedded throughout the course; threaded discussions, rubrics, and study guides help students absorb and proactively respond to the course content. Because the course is designed specifically for credit recovery students, content is appropriately grouped into smaller topics to increase retention and expand opportunities for assessment.

**English II**

In English II Credit Recovery, students conduct an in-depth survey of literature. They read literary works from a variety of genres and cultures and examine both classic and modern periods. In the process, students learn about literary techniques and the effectiveness and purposes of common literary devices. The course stresses critical-thinking skills; assignments include speaking and writing projects to help students develop these skills. Students continue to build their vocabulary in this course; as in English I, vocabulary lists and definitions are provided in English and Spanish. Interactive questions and games allow students to check their understanding before taking assessments.

**English III**

This credit recovery course helps students understand how the reading, writing, listening, and speaking skills they have been developing in high school can be applied to work they may do in college courses and in their future careers. In English III, students use an online literature anthology to continue their study of literature. Course content progresses chronologically through the periods of American literature, from Native American oral traditions through contemporary works of poetry, fiction, drama, and nonfiction. Each unit focuses on a literary movement through the lens of an overlying theme. Students continue to work on their vocabulary skills and supplement their learning with multiple-choice games, self-check activities, and writing projects.

**English IV**

English IV Credit Recovery is a condensed version of the English IV Foundations course. Its format and length makes it great fit for summer programs and other contexts in which instructional time and teacher time may be limited. In this course, students read and analyze classic, modern, and contemporary literary works. Reading selections, which are contained in an online literary anthology, include plays, short stories, poetry, essays, and novels. Students think critically about the complex issues posed in the readings and express their interpretations of these issues in essays, research papers, journals, and oral presentations. Students learn about the validity of sources as they complete their writing assignments.

0.5 credit course  |  English Language Learner-supported content
Algebra I

The purpose of this course is to allow the student to gain mastery in working with and evaluating mathematical expressions, equations, graphs, and other topics, with an emphasis on real-world applications throughout this yearlong algebra course. The first semester of the course includes an introduction to real numbers and variable expressions, methods for solving equations, understanding functions and relations, and an in-depth study of linear and quadratic functions. The second semester of the course provides students with extensive instruction in topics, including systems of equations and inequalities, exponential and radical functions, rational expressions and equations, as well as probability and statistics. Throughout the course are self-check quizzes, audio tutorials, interactive manipulatives, practice games, and plenty of review activities.

Algebra II

Algebra II Credit Recovery expands on the mathematical content of Algebra I and Geometry and serves as a foundation for the material presented in subsequent mathematics courses (for example, Trigonometry and Calculus). In this course, the emphasis is on functions and using algebraic solutions to solve various types of problems. Students are encouraged to develop their abstract-thinking skills as well as their computational skills. The two-semester course covers the following topics: linear and quadratic functions, radical functions, rational functions, exponential and logarithmic functions, trigonometric functions, systems of equality, geometry, conic sections, and statistics and probability.

Geometry

Geometry Credit Recovery is a comprehensive course featuring geometric terms and processes, logic, and problem solving. The course begins by giving students an immediate connection to the content and concepts they have learned in their algebra courses. (Building on prior knowledge helps students absorb new content.) Students go on to learn about parallel line and planes; rays and angles; congruent triangles; inequalities; quadrilaterals; circles; polygons; perimeter, area, and volume; inductive and deductive reasoning; and translations, reflections, and rotations. They study various forms of proofs and develop their reasoning and problem-solving skills by studying similarity, areas, volumes, circles, and coordinate geometry.
Biology

This credit recovery course is an introduction to biology, which is the branch of knowledge that deals with living organisms and vital processes. In Biology, students learn about the processes of scientific inquiry (the diverse ways in which scientists study the natural world and propose explanations based on the evidence derived from their work). They also learn about the fundamental principles of living organisms, including physical and chemical properties of life, cellular organization and function, and the transfer of energy. The course also addresses cellular reproduction, the classification of living things, and the six kingdoms of life. Students explore ecology and ecosystems and conclude the course with a unit on human biology and populations.

Chemistry

This course adheres closely to standards for the teaching of chemistry. Emphasis is placed on the use of theoretical and mathematical concepts to explain and predict chemical behavior. This course has been specifically built with the credit recovery student in mind. The course content has been appropriately grouped into smaller topics to increase retention and expand opportunities for assessment. Students engage in learning through multimedia activities, enhancing the information through contextual presentations. Post-topic quizzes are presented with each topic of content. Audio readings are included with every portion of content, allowing auditory learners the opportunity to engage with the course. Test pools and randomized test questions are utilized as well as unit exams, ensuring that students taking the course will not be presented with the same assessment content.

Earth Science

Earth Science is the branch of science devoted to studying the planet Earth and all the objects in the universe. This course begins with an introduction to the processes, methods, and tools of scientific inquiry. An understanding of the geology of Earth is built through units that discuss topics such as rocks and minerals, plate tectonics, and Earth's natural resources. The structure and function of the atmosphere as well as situations that cause changes in the atmosphere build student’s understanding of Earth's atmosphere. The study of oceanography is introduced with such topics as seafloor features and ocean currents. Weather, climate, and climate change are topics that begin to develop an understanding of meteorology. Throughout the course, students develop an understanding of how Earth’s systems and cycles work together to make life on Earth possible. The students also take a tour of the universe as they discuss its formation, the characteristics of the objects in our solar system, and the universe beyond our solar system. Throughout the course, they see examples of how individuals have built our knowledge of Earth and the universe through invention, innovation, and discovery.

0.5 credit course  English Language Learner-supported content
**Physical Science**

This credit recovery course is an introductory course to high school science courses. In Physical Science (ELL-supported content), students expand on their middle school science experiences to prepare for subsequent courses in biology, chemistry, and physics. The course emphasizes scientific thinking as a way of understanding the natural phenomena that surround us. It includes real and virtual lab exercises and gives students the skills to discuss a number of scientific topics, understand how science is used in their daily lives, and become comfortable with solving simple algebraic expressions that support scientific laws. Built with the credit recovery student in mind, the course content is grouped into smaller topics to increase retention and expand opportunities for assessment.

**American Government**

This one-semester credit recovery course covers the historical backgrounds, governing principles, and institutions of the government of the United States. The focus is on the principles and beliefs that the United States was founded on and on the structure, functions, and powers of government at the national, state, and local levels. In American Government, students examine the principles of popular sovereignty, separation of powers, checks and balances, republicanism, federalism, and individual rights. They also learn about the roles of individuals and groups in the American political system. Students compare the American system of government with other modern systems and assess the strengths and problems associated with the American version.

**American History**

This credit recovery course gives students a basic understanding of American history. The course begins with the settling of America and continues through present-day domestic and world issues that affect American society. In this course, students analyze influential documents and learn about significant individuals who contributed to the nation’s development. They study the causes and effects of the various wars in which Americans have fought, and they use critical thinking and problem-solving skills as they take part in interactive discussions and complete a variety of assignments. By the end of the course, students have the knowledge to discuss the characteristics that define the United States as a world power.
**Economics**

In this one-semester credit recovery course, students gain a basic understanding of economics. The course uses real-world economic applications to help students better grasp a range of economic concepts, including macro- and microeconomic concepts. The course covers the American free enterprise system and addresses how this system affects the global economy. Students learn how to think like economists as they study economic principles and different economic systems. They analyze and interpret data to understand the laws of supply and demand. Examining the world of business, money, banking, and finance helps students understand how economics is applied both domestically and globally.

**Geography**

Designed for credit recovery students, this course examines a broad range of geographical perspectives covering all of the major regions of the world. Each region is reviewed in a similar structure so that students can clearly see the similarities and differences between regions. Specifically, the course explores where each region is located along with its physical characteristics, including absolute and relative location, climate, and significant geographical features. The course closely examines the human impact on each region from cultural, economic, and political perspectives. It also includes instruction on writing about art, and a discussion of art historians.

**World History**

World History Credit Recovery is a survey of world history from prehistoric to contemporary times. Students learn about the socioeconomic, political, and ideological conditions of various time periods as they study historical events, cultural achievements, and world regions. Using primary and secondary sources, students employ critical-thinking and problem-solving skills as they conduct inquiry-based research, participate in interactive discussions, and complete assignments establishing real-world connections. By the end of the course, students can articulate the relationship between historical occurrences and contemporary situations. They can also predict how contemporary issues will affect future generations based on historical evidence.
Health

This one-semester credit recovery course provides students with information that will help them live a more healthy and productive life. The emphasis is on making healthy personal decisions and getting the information needed to make those choices. The course addresses both mental and physical health. Students learn about nutrition, including food guidelines and types of food, eating disorders, first aid and CPR, substance abuse, and human sexuality. The course also covers consumer health resources, including government resources, nonprofit resources, and health insurance. Students learn how technology is influencing health care, and they examine the benefits of frequent physical exercise.

Physical Education

Through this one-semester credit recovery course, students learn a wide variety of fitness concepts that they will be able to use in their everyday life. The course addresses the fundamentals of physical fitness, including goal setting and target heart rate. Students learn how their body works by studying static and dynamic balance, linear and rotary motion, anatomy, and biomechanics. They are introduced to a variety of lifetime activities, including tennis, golf, Frisbee, and orienteering. They also learn about activities that promote cardiorespiratory fitness, including kickboxing, hip hop dance, fitness walking, and cycling. Pilates, yoga, and breathing exercises that help promote physical and emotional wellness are addressed as well.

Spanish I

This credit recovery course provides students with instruction in the basics of learning the Spanish language. Content includes greetings, time, dates, colors, clothing, numbers, weather, family, houses, sports, food and drink, and school. The course introduces basic and stem-changing verbs and their formation and use in the present tense. Students also learn about interrogatives, question formation, and adjectives and their form and use. Possessives, prepositions, and other grammatical structures are also covered. In this course, students become acquainted with the Spanish-speaking countries of the world and their cultures, and learn practical information, such as restaurant vocabulary and expressions of invitation.
Algebra I

In this two-semester course, students work with and evaluate mathematical expressions, equations, and graphs. Topics include real numbers, simplifying real number expressions with and without variables, solving linear equations and inequalities, solving quadratic equations, graphing linear and quadratic equations, polynomials, factoring, linear patterns, linear systems of equality and inequality, simple matrices, sequences, and radicals. Students learn to work effectively with ratios and direct and inverse variation, understand basic statistics, and solve systems of linear equations and inequalities. Assessments consist of multiple-choice, short-answer, and extended response questions that measure students’ progress. The course also includes self-check quizzes, audio tutorials, and interactive games.

American History

Students gain a basic understanding of American history in this two-semester course. Instructional content focuses on the origins of the nation’s democratic principles and continues through present-day domestic and world issues that affect American society. Students use critical-thinking and problem-solving skills as they complete a variety of assignments. They become well versed in the origins of the United States. By the end of the course, students can identify and analyze key events, documents, and individuals in America’s development as well as issues that still affect the nation both home and abroad. They can also discuss the characteristics that define the United States as a world power.

Biology

Biology is a two-semester course that introduces students to general biology principles and the processes of scientific inquiry and thinking. Instructional material covers the fundamentals of living organisms, including physical and chemical properties of life, cellular organization and function, the transfer of energy through metabolic systems, cellular reproduction, the classification of living things, and the six kingdoms of life. The course focuses on presenting biological information on up-to-date principles and concepts in an understandable and straightforward way that helps capture students’ interest. Unit topics include biological principles, chemical and molecular basis of life, cells, genetics, evolution, microorganisms, plants, animals, and human biology, and populations.

Earth Science

This introductory course incorporates knowledge and facts accumulated from people’s observations of the earth around them and the skies above them. Earth science includes several different branches of study: geology, hydrology, oceanography, meteorology, and astronomy. Students become familiar with the properties of rocks and minerals and their significance as resources. They discuss the theory of plate tectonics and its impact on the continents, and they learn to analyze maps to describe geologic features and meteorological data. Completing this course gives students the knowledge and skills to describe and demonstrate the nature of earth science and design investigations to research and explain the unique features of our planet.
English I

In this introductory language arts course, students concentrate on multiple types of mass media as they sharpen their reading and writing skills. The course begins with a diagnostic writing assignment and a reading pre-assessment to help students identify their strengths and discover what they need to work on. Course content includes literary elements; students study poetry, short stories, and a novel. They participate in online threaded discussions and receive detailed instruction on the writing process, including note taking, generating a thesis, and writing a research paper. Throughout the course, self-check interactive activities let students check their understanding before they take quizzes and tests.

English II

In this course, students develop critical reading, writing, listening, and speaking skills while they explore classic and modern world literature. They begin by taking a diagnostic writing assignment and a reading pre-assessment to help them identify their strengths and find out what they need to work on. The course covers literary elements, the writing process, understanding and using media, and best practices for giving an oral presentation. It also provides instruction on vocabulary and grammar with a focus on the often-confusing aspects of English usage. Each unit includes a checklist to help students manage their time and keep track of their assignments.

English III

Students study American literature and continue to develop their reading, writing, listening, and speaking skills in this intermediate-level course. The lessons feature in-depth tutorials with avatars to help students understand the practical aspects of communicating messages effectively in both academic and work-related scenarios. Assignments include creating oral presentations and conducting an independent project. As they complete these assignments, students synthesize information from the course and create products that will prepare them for upcoming courses in high school and college as well as future careers. Interactive games and questions help reinforce new material for students before they take tests on the content. Study guides and rubrics throughout the course help students be proactive learners.

English IV

This course, which is a shortened version of the standard English IV course, can be used in contexts in which instructional time and teacher time may be limited. In English IV Foundations, students read and analyze classic, modern, and contemporary works of literature. They explore several genres, including plays, short stories, poetry, essays, and novels. The course includes a variety of learning activities; students do a lot of close reading, learn how to paraphrase material, and participate in online, threaded discussions. Assignments are diverse, too: students complete essays and research papers, maintain reflective journals, and create oral presentations. They learn about the validity of sources and hone their writing skills as they complete their projects.
**Geography**

Geography examines a broad range of geographical perspectives covering the major regions of the world. Each region is reviewed in a similar structure so students can clearly see the similarities and differences between each one. The course continues with a look at the regions from cultural, economic, and political perspectives, closely examining the human impact on each region. Students explore each region’s location globally and its physical characteristics, including absolute and relative location, climate, and significant geographical features. Unit topics include an introduction to geography, North America, Central America, South America, Western Europe, Eastern Europe and Russia, and East Asia.

**Geometry**

In this two-semester course, students improve their understanding of geometric terms and processes, explore logic, and develop problem-solving skills. The course includes topics such as parallel lines and planes, congruent triangles, inequalities, quadrilaterals, and various forms of proofs. Students hone their reasoning, and problem-solving skills as they study similarity, areas, volume, circles, and coordinate geometry. At the end of the course, they have the ability to identify and apply the properties of rays, angles, triangles, quadrilaterals, polygons, circles, and parallel and perpendicular lines. They can also write conditional statements and proofs, graph linear functions, prove that certain figures are congruent or similar, and apply transformations to various figures.

**Health**

This one-semester course presents a range of topics and instructional material that is designed to help students develop strategies for making healthy choices, staying safe, being active, and remaining informed about health issues. Among other topics, students explore factors of psychological health, aspects of social and consumer health, details about nutrition, types of infectious and noninfectious diseases and the prevention of disease, first aid and CPR, human sexuality, and drug and alcohol awareness. They learn about the components of a healthy lifestyle and learn decision making and communication skills to help them protect their health and demonstrate respect for family members and others in their lives.

**Physical Science**

Physical Science serves as an introductory course that prepares students for high school Biology, Chemistry, and Physics courses. In this course, students learn about the nature of science, including scientific processes, the scientific method, and scientific inquiry. The course covers safety in the lab and the field, principles for conducting experiments, and the need for scientific communication. Instructional content includes the atomic nature of matter, classification of the elements, the periodic table, acids, and bases. Students explore the various forms of energy and energy transformations and discuss the production of electricity. The course concludes with a unit on the composition and structure of the universe, the life cycles of stars, and space exploration.
World History

This two-semester core course explores world history from prehistoric to contemporary times. Students learn about the socioeconomic, political, and ideological conditions of various time periods. They use primary and secondary sources, critical thinking, and problem-solving skills to study historical events and cultural achievements of world regions and to complete assignments that help them establish real-world connections to the course content. They learn to interpret statistical data from maps, charts, and graphs. They summarize the achievements of civilizations, particularly in the fields of science, technology, and the arts. Instructional content encourages students to articulate the relationship between historical and current events and predict how contemporary issues will affect future generations.
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