



# Oregon Virtual Education Course Catalog

## High School Courses

### English I

Join us in English I for a series of journeys. In each unit of the course, we embark on a new journey. Through the study of literature, nonfiction, and life, we will explore the unknown, search for identity and equality, and seek achievement, opportunity, and understanding. You will read to analyze the way language is used to express human motivation and will research to examine the results of actions in the real world. The lessons in each unit will give you the tools you need to gain insights from what you read and to use your knowledge in creative and analytical writing.

**Pre-Requisites:**

**Credits:** 0.5

### English I for Credit Recovery

This full credit course is provided for students who have previously taken English I, and were not successful. Students may take one or both segments of this course. Students will develop language arts skills by reading, writing, listening, viewing, and speaking. Students will learn to use the English language to successfully express themselves.

**Pre-Requisites:** Students must have already taken English I, but not earned credit.

**Credits:** 0.5

**Estimated Completion Time:** 10 weeks per segment

### English II

In English II, students learn how the human experience – real life – is the foundation of the best stories, plays, poems, films, and articles. The four modules – Live Love Laugh, Obstacles, Fear, and Betrayal – allow students to focus on particular aspects of the human experience. Throughout the course, students explore what it means to be human, what it means to be fulfilled, challenged, transformed, and intellectually active. Designed to meet Common Core Standards, the course takes an in-depth look at pieces of literature through close readings, the use of textual evidence in writings, the creation of arguments through research and facts, and the application of writing and revision strategies. Additionally, students will encounter new vocabulary and vocabulary acquisition strategies, learn and refine the grammar and mechanics of their writing, discover the power of literary devices, investigate structures, and engage in thought-provoking projects.

**Pre-Requisites:** English I

**Credits:** 0.5

### English II for Credit Recovery

The purpose of this course is to provide grade 10 students who have not passed English II an opportunity to recover the course credit. This course uses texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.



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**Pre-Requisites:** This full credit course is provided for students who have previously taken English II but have not successfully passed. Students may take one or both segments to recover the credit.

**Credits:** 0.5

**Estimated Completion Time:** 10 weeks per segment

### English III

“Extra, extra, read all about it!” It’s all right here in black and white, in the pages of The Virtual Times newspaper. Published at key periods in our American history, The Virtual Times takes us right into the action. The writing is clear and concise. The stories and opinions give us perspective. The sports and entertainment sections give us the color and flavor of the times. In English III, the writing and insights of authors throughout our history are collected in the fast-paced pages of The Virtual Times. You’ll gain an appreciation of American literature and the ways it reflects the times in which it was written. You’ll discover how people thought and lived and wrote about their experiences. You’ll also be asked to observe, investigate and report on stories of today. The goal is to be thorough, accurate and compelling in your writing. Perhaps in times to come, people will want to read what you thought and wrote.

**Pre-Requisites:** Recommended: English I & II

**Credits:** 0.5

### English III for Credit Recovery

English 3 for Credit Recovery is a high school course that covers active reading and analysis of literary and informational texts of high complexity; writing for varied purposes; listening, speaking, and viewing skills; and collaboration for college and career preparation and readiness. Students are exposed to high-complexity texts on a deeper level, spending more time with that text and writing to that text.

**Pre-Requisites:** Students must combine a previous attempt of English 3 with a passing score in this course to receive credit for high school graduation.

**Credits:** 0.5

### English IV

Come explore the world of big ideas in English IV, where you are able to choose which path you will travel first as you explore highly-engaging, thematic units. Each path will guide you through a series of literary pieces that allow you to analyze the political, social, economic, and cultural messages of its time as well as its relevance to the world you live in today. Each path revolves around a central theme. The works in the course span a period of over 1000 years and have been written by authors who share common ideas, but employ a variety of literary genres to express their views. Whether it is the dramatic ending of a play, or the colorful images in a verse of poetry, the words of these authors will leave you with a new understanding of the world around you. As you travel down each path, you will create authentic work pieces that will engage you in higher-level learning and provide you with a greater understanding of literature and its connection to the world.

**Pre-Requisites:** English I, II, and III are recommended

**Credits:** 0.5



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### English IV for Credit Recovery

English 4 Credit Recovery covers reading literature, reading informational text, applying language skills, writing (informational, narrative, and argument), researching and presenting strategies, and speaking and listening skills. Students will be exposed to literature on a deeper level, spending more time with one text and writing to that text.

**Pre-Requisites:** Students must have already taken English IV, but not earned credit.

**Credits:** 0.5

**Estimated Completion Time:** 10 weeks per segment

### Advanced Algebra with Financial Applications

This course walks students through the information needed to make the best decisions with money. Advanced Algebra with Financial Applications is an advanced course incorporating real-world applications, collaboration, and calculations using technology. Students learn the formulas used to determine account balances, monthly payments, total costs, and more. They examine budgeting, spending, saving, investment, and retirement. Students explore mortgages and other debt structures and how to make good decisions about borrowing money. This knowledge will propel students into the future with a good foundation on how to handle finances.

**Pre-Requisites:** Algebra II recommended

**Credits:** 0.5

### Algebra I

Algebra I is the foundation—the skills acquired in this course contain the basic knowledge needed for all future high school math courses. The material covered in this course is important, but everyone can do it. Anyone can have a good time solving the hundreds of real-world problems algebra can help answer. Each module in this course is presented in a step-by-step way right on the computer screen. Hands-on labs make the numbers, graphs, and equations more real. The content in this course is tied to real-world applications like sports, travel, business, and health. This course is designed to give students the skills and strategies to solve all kinds of mathematical problems. Students will also acquire the confidence needed to handle everything high school math has in store for them.

**Pre-Requisites:** Middle School Grade 7 Mathematics Advanced or Pre-Algebra

**Credits:** 0.5

### Algebra I for Credit Recovery

Algebra I is the foundation—the skills acquired in this course contain the basic knowledge needed for all future high school math courses. The material covered in this course is important, but everyone can do it. Anyone can have a good time solving the hundreds of real-world problems algebra can help answer. Each module in this course is presented in a step-by-step way right on the computer screen. Hands-on labs make the numbers, graphs, and equations more real. The content in this course is tied to real-world applications like sports, travel, business, and health. This course is designed to give students the skills and strategies to solve all kinds of mathematical problems. Students will also acquire the confidence needed to handle everything high school math has in store for them.



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**Pre-Requisites:** Student has previously completed Algebra I without achieving a passing grade.

**Credits:** 0.5

**Estimated Completion Time:** 10 weeks per segment

### Algebra II

This course allows students to learn while having fun. Interactive examples help guide students' journey through customized feedback and praise. Mathematical concepts are applied to everyday occurrences such as earthquakes, stadium seating, and purchasing movie tickets. Students investigate the effects of an equation on its graph through the use of technology. Students have opportunities to work with their peers on specific lessons. Algebra II is an advanced course using hands-on activities, applications, group interactions, and the latest technology.

**Pre-Requisites:** Algebra 1

**Credits:** 0.5

### Algebra II for Credit Recovery

This course allows students to learn while having fun. Interactive examples help guide students' journeys through customized feedback and praise. Mathematical concepts are applied to everyday occurrences such as earthquakes, stadium seating, and purchasing movie tickets. Students investigate the effects of an equation on its graph through the use of technology. Students have opportunities to work with their peers on specific lessons

**Pre-Requisites:** Student has previously completed Algebra II without achieving a passing grade.

**Credits:** 0.5

**Estimated Completion Time:** 10 weeks per segment

### Calculus

Walk in the footsteps of Newton and Leibnitz! An interactive text and graphing software combine with the exciting on-line course delivery to make Calculus an adventure. This course includes a study of limits, continuity, differentiation, and integration of algebraic, trigonometric and transcendental functions, and the applications of derivatives and integrals.

**Pre-Requisites:** Algebra I, Geometry, Algebra II, Pre-Calculus or Trigonometry/Analytical Geometry.

**Credits:** 0.5

### Geometry

Geometry is everywhere, not just in pyramids. Engineers use geometry to build highways and bridges. Artists use geometry to create perspective in their paintings, and mapmakers help travelers find things using the points located on a geometric grid. Throughout this course, students travel a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving.

**Pre-Requisites:** Algebra I

**Credits:** 0.5



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### Geometry for Credit Recovery

Geometry is everywhere, not just in pyramids. Engineers use geometry to build highways and bridges. Artists use geometry to create perspective in their paintings, and mapmakers help travelers find things using the points located on a geometric grid. Throughout this course, students travel a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving.

**Pre-Requisites:** Students must combine a previous attempt of Geometry with a passing score in this course to receive credit for high school graduation.

**Credits:** 0.5

**Estimated Completion Time:** 10 weeks per segment

### Liberal Arts Mathematics

Liberal Arts Mathematics I is a course designed to strengthen mathematical skills for study beyond Algebra I. The course can be used as needed to fit individual district course progression plans and can be taken either before or after Algebra 1. The topics include, but are not limited to, linear equations and inequalities, operations with polynomials, data representation and analysis, geometric constructions, symmetry, similarity, systems of linear equations and inequalities, functions, quadratic equations, exponential equations, rational equations, radical equations, and graphing equations and functions.

**Pre-Requisites:** Grade 8 Pre-Algebra

**Credits:** 0.5

### Pre-Calculus

Students, as mathematic analysts, will investigate how advanced mathematics concepts can solve problems encountered in operating national parks. The purpose of this course is to study functions and develop skills necessary for the study of calculus. The Pre-calculus course includes analytical geometry and trigonometry. Pre-calculus is an Honors level course.

**Pre-Requisites:** Algebra 1, Algebra 2, Geometry

**Credits:** 0.5

### Health Opportunities through Physical Education (HOPE)

With a focus on health and fitness, this course guides student to be active and healthy now and for a lifetime. Effective strategies and techniques are a foundation of the course so that students can continually make improvements in all areas of wellness. Students, with the guidance of a training instructor, set personal goals in four areas of wellness: physical, emotional, social, and academic. Fitness assessments enable students to establish baseline levels of fitness and work toward improvement in specific areas. At the end of each module, students submit a wellness plan documenting their daily physical activity, progress toward goals, changes in fitness assessment results, and reflections on personal progress. By following individualized training principles, students can achieve personal success and gain confidence, while they develop healthy lifetime habits. The course uses videos, graphics, and interactive learning opportunities to encourage students to eat well, get up, and be active. Leading a healthy lifestyle is the best way to prevent health problems before they occur—this course helps students do just that. And now is the best time to get started.



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**Pre-Requisites:**

**Credits:** 1.0

### Life Management Skills

Each day hundreds of decisions are made, including important decisions that have a huge impact on personal life. Making good decisions is a whole lot easier for those who have the correct information before making those decisions. Being equipped with correct information will empower students to manage real issues, like quality nutrition, substance abuse, coping with stress, and sexual abstinence. Good health is both mental and physical. Making good decisions starts with knowing the facts, understanding the consequences, and having the confidence to choose well. A series of signposts take students through the course, providing information, direction, and a little encouragement. Students learn to use important tools for communicating feelings and opinions. Other tools provide a foundation for becoming a savvy consumer in a world of advertising, credit cards, and focusing on earth-friendly practices that will help the environment. This course comes with a long-term payoff. Learning to make good decisions now will set a positive direction to follow for the future.

**Pre-Requisites:** None

**Credits:** 0.5

### Fitness Lifestyle Design

This course was designed to offer three modules of motivation for teens. The modules—Move Strong, Live Well, and Eat Healthy—guide students through learning about strength and endurance training, choosing lifetime fitness activities, and connecting nutrition to lifetime fitness. The course is filled with language and images that reflect strength and diversity to motivate teens and allow them to envision themselves committing to fitness.

**Pre-Requisites:** none

**Credits:** 0.5

### Personal Fitness

In this Personal Fitness course, students are required to participate in weekly cardiovascular, flexibility and strength and endurance activities. Students who are unable to participate in such physical exercises will be unable to complete the requirements of this course. Students who have an Individualized Educational Plan (IEP) or some other physical limitation that prevents them from participating in physical activity should seek to enroll in an Adaptive Physical Education course.

**Pre-Requisites:**

**Credits:** 0.5

### Anatomy & Physiology

In this course students explore the organization of the human body and how it works. They will acquire knowledge necessary to understand what the body is doing and how they can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body.

**Pre-Requisites:** Biology 1 recommended, but not required

**Credits:** 1.0



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### Biology I

This course guides students through the study of living and non-living systems and how they interact with one another. Students explore the world they live in by posing questions and seeking answers through scientific inquiry. Discovery takes place through observation and data collection. The students will be introduced to the structure, function, diversity, and evolution of living matter. This is a course with real relevance. It encourages curiosity and provides opportunity for students to work on hands on lab activities and develop relationships through collaboratively learning. Engaging in the study of biological science broadens the picture of the world around us.

**Pre-Requisites:** None

**Credits:** 0.5

### Biology I for Credit Recovery

This Biology course is designed to give students a fundamental look at the characteristics of living organisms and their environment. Students will be introduced to the structure, function, diversity and evolution of living matter. The course provides scientific inquiry and discovery by incorporating hands on labs and a variety of web-based activities that engage the student in their study of the biological life that surrounds us all.

**Pre-Requisites:** Previous attempt at Biology I without successful completion.

**Credits:** 0.5

**Estimated Completion Time:** 10 weeks per segment

### Chemistry

Chemistry I and Chemistry I Honors are rigorous and not intended for credit recovery. This course contains several laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures that are an integral part of the learning experience. This course is designed as an interactive, 21st century course. Topics include the composition, properties, and changes associated with matter and their applications. This course serves as a foundation for the study of Chemistry. The utilization of scientific inquiry, interactive experiences, higher order thinking, collaborative projects, real world application all aid the student in ultimately demonstrating a vast understanding of the importance of Chemistry in the world around them; enabling them to apply these properties to their everyday lives.

**Pre-Requisites:** Algebra I

**Credits:** 0.5

### Chemistry for Credit Recovery

This course is designed for credit recovery for Chemistry I. Chemistry is the study of the composition and structure of materials and the changes they undergo. This 1.0 credit course is broken into two 0.5 credit segments which may be taken separately to meet the needs of the student. The Chemistry I for Credit Recovery course provides an opportunity for students to strengthen their skills through a series of seven modules, each of which offers vocabulary support, interactive practice, and virtual laboratory experiences.



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**Pre-Requisites:** Student has previously completed chemistry without achieving a passing grade

**Credits:** 0.5

**Estimated Completion Time:** 10 weeks per segment

### Earth Space Science

Be captivated by the wonders and beauty of the third planet from our Sun, Earth. Be amazed by what awaits your discovery within our solar system and beyond. Explore the universe. Earth/Space Science is a laboratory course focusing on the study of space, geologic structures and forces, the waters on our planet, and atmospheric conditions. Through experimentation and investigation, students explore the earth cycles including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle. This course offers interactive experiences, higher-order thinking, collaborative projects, and real-world application along with a variety of assessments. Upon completion of the course, students have a clear understanding of the dynamic forces at work in the world around them, becoming better caretakers of our planet, Earth.

**Pre-Requisites:**

**Credits:** 0.5

### Marine Science

Since the beginning of time, humans have relied on the ocean. But as our planet continues to change over time, human activity has impacted the environment. In the marine science course, students explore the watery depths of our own planet in order to understand just how vital the ocean is to our existence. Throughout the course, students meet marine animals and learn about their interactions with each other and their environment. Students tour the evolving seafloor, where they encounter trenches, volcanoes, and ridges. Along the way, students hang ten as they discover waves, currents, tides, and other physical interactions between the ocean and the land. Finally, students study the impacts of chemical processes on our blue planet and how they affect the water, the atmosphere, and our climate. With a focus on conservation, this course shows students that the ocean connects us all, across distance and even time. Hang on—it's going to be an amazing journey.

**Pre-Requisites:**

**Credits:** 0.5

### Physical Science

This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives.

**Pre-Requisites:** None

**Credits:** 0.5



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### Physics

In each module of Physics I, students discover the contributions of scientific geniuses like Galileo, Newton, and Einstein. Through their work, students learn the concepts, theories, and laws that govern the interaction of matter, energy, and forces. From tiny atoms to galaxies with millions of stars, the universal laws of physics are explained through real-world examples. Using laboratory activities, simulations, images, and interactive elements, students follow in the footsteps of some of the world's greatest thinkers.

**Pre-Requisites:** Algebra I & II recommended

**Credits:** 0.5

### Economics with Financial Literacy

Economic decisions affect us every day of our lives. Understanding economics means thinking about how scarcity, or limited resources, requires us to make choices and evaluate one option against others. In this course, students will recognize examples of economics in your daily life. Students will see how the economic choices of larger groups, like businesses and governments, affect students and others. As students progress through the course, students will recognize that the costs and benefits of choices connect individuals and groups around the world. The purpose of this course is to help students become a smart consumer who understands the flow of an economy between individuals, businesses, governments, and the rest of the world.

**Pre-Requisites:** 11th or 12th grade status and English I & II recommended

**Credits:** 0.5

### Economics with Financial Literacy for Credit Recovery

Economic decisions affect us every day of our lives. Understanding economics means thinking about how scarcity, or limited resources, requires us to make choices and evaluate one option against others. In this course, students will recognize examples of economics in your daily life. Students will see how the economic choices of larger groups, like businesses and governments, affect students and others. As students progress through the course, students will recognize that the costs and benefits of choices connect individuals and groups around the world. The purpose of this course is to help students become a smart consumer who understands the flow of an economy between individuals, businesses, governments, and the rest of the world.

**Pre-Requisites:** 11th or 12th grade status and English I & II recommended

**Credits:** 0.5

### Global Studies

With more than seven billion people living in the world today, there are countless newsworthy stories waiting to be told. In this course students become real-world news reporters, researching and writing for the Global News Network. Students explore human rights, the environment, global security, international economic systems, and much more. Students learn how to perform accurate research and fact-finding missions, while learning how to present their discoveries with clarity and context. Students will also be able to identify tangible global problems and outline well-developed solutions. This course uses current and compelling stories to engage students in the world around them.

**Pre-Requisites:**

**Credits:** 0.5



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### American Government

Responsible citizenship, including civil and political participation is essential to maintain a representative government that truly represents the people of the United States. In this course, students learn about the structure of government and how it shares power at the local, state and federal levels. This course also explores founding principles that inspired the Constitution and Bill of Rights, preserving the freedoms that students experience daily. Students will examine the processes of each branch of government, the election process, and how citizens can impact public policy. The media, interest groups and influential citizens provide examples of how the government can be effected by informed and active participants. Students will examine the U.S. Court system, and become a part of the process by participating in the judicial decision making process. They will also discover ways the United States interacts with countries around the world, through domestic policy, foreign policy and human rights policy.

**Pre-Requisites:** 11th or 12th grade status and English I & II recommended

**Credits:** 0.5

### American History

The United States began as an experiment in freedom and democracy. Since its establishment, the country and its people have endured social, political and economic revolutions. In this course, students will investigate the people, events and ideas that have shaped the United States from the end of the Civil War through today. Students are asked to analyze and evaluate decisions made by political, business and military leaders. Emphasis is placed on connections between events of the past and present. This course also gives students the opportunity to conduct research and apply their learning to current, real-world problems.

**Pre-Requisites:** This course is recommended for students in 10th or 11th grade. Successful completion of English 1 is strongly recommended.

**Credits:** 0.5

### World History

In Segment I, students will learn how the Roman Empire developed in two very distinct directions. Next, students will discover the great intellectual and cultural contributions of Islamic Empires. Journey through the Middle Ages of Europe and Japan to learn how knights and samurais lived. Students will also investigate the rise and fall of some of the great kingdoms of the Americas and Africa and then travel back to the Europe of the Renaissance and Reformation era. Segment II begins with a bang as students will learn about advancements in science and thought during the Age of Enlightenment and the social and political revolutions that followed as a result. As students meander through the 19th century, they will learn about the transformation from an agricultural to an industrial world and the many changes that resulted from that shift. Students will then learn about the interconnectedness of nationalism and colonialism and the two massive world wars were the end result. As students approach the finish line, they will learn about development in our modern world and the implications that historical events have on us today.

**Pre-Requisites:** None

**Credits:** 0.5



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### French I

Bienvenue! Welcome! Come and join various native French speakers as they give students a lively introduction to the language and its rich culture. Join them in their everyday environment as they take students through different daily scenarios and give them the necessary skills to read, write, and speak French. In this course, students learn the basic French language. After one semester, students will be able to engage in conversation in French including greeting people, introducing themselves, and exchanging basic information with others. Students learn to count from one to 1,000 and make simple sentences in both spoken and written French. Students continue to develop their French skills in semester two. New words and phrases are introduced with pictures, audio clips, and examples. Students learn basic French grammar to help them build fluency and understand the structure of the French language. Students have many opportunities to practice what they learn through interactive practice activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of France, Canada, and other French-speaking regions by learning about geography, foods, celebrations, and traditions from each place. Bon Voyage! Enjoy the trip!

**Pre-Requisites:** None

**Credits:** 0.5

### French II

Salut! Get set for some more adventure! In French II, students are immersed in the French language and culture. This course is full of engaging and interactive videos, dialogs, presentations, self-checks, and much more! The purpose of this course is to further develop the French communicative skills of listening, speaking, reading and writing. In French II, students will broaden their French vocabulary and knowledge of grammar. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

**Pre-Requisites:** French I

**Credits:** 0.5

### Spanish I

¡Bienvenidos! Welcome! Students are taking a virtual trip to Spain, Cuba, Colombia, and Argentina. As students explore each country, a student blogger is there to help them learn about the place and its unique characteristics. As students travel to each country, they learn how to speak Spanish in many practical and useful ways. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities. The course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language. There are many opportunities to practice through interactive activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of Spain, Cuba, Colombia, and Argentina by learning about geography, foods, celebrations, and traditions from each place. Student bloggers guide students through these countries and help them appreciate and learn about their diversity.

**Pre-Requisites:**

**Credits:** 0.5



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### Spanish II

In Spanish II, students travel virtually through Central America and the Caribbean, spending time in museums, traffic jams, and even the hospital. In this course, students broaden their Spanish vocabulary and their knowledge of grammar. They meet people from many different countries and cultures. While waiting for the plane ride home, students also meet some Spanish-speaking people from different parts of the United States. The purpose of this course is to strengthen Spanish listening, speaking, reading, and writing skills. Students also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

**Pre-Requisites:** Spanish I

**Credits:** 0.5

### Spanish III

Dive into the rich diversity of Hispanic culture across the globe by exploring the tastes, sights, and sounds of this dynamic language that reflects triumph, struggle, celebration, and so much more. During this cultural journey, you'll improve conversational, vocabulary, and writing skills through authentic tasks. Short of obtaining a passport, there is no better way to discover new lands, peoples, or experiences. Take your Spanish language abilities to the next level!

**Pre-Requisites:** Spanish I and Spanish II

**Credits:** 0.5

### Spanish IV

Spanish IV will certainly expand your students' language skills. However, it will also take them on a fascinating cultural journey. They will experience the language's rich traditions and superstitions. Through exploring the past, students will come to understand the importance of community, family, and personal relationships. They will be immersed in culture—movement, art, music, literature. Meeting real people and hearing their stories will allow students to gain new vocabulary, have better command of the language, and understand their role as a global citizen.

**Pre-Requisites:** Spanish 1, 2 and 3

**Credits:** 0.5

### Art History and Criticism I

In this course students will understand the political, cultural, and religious changes throughout history that are depicted within art. This course is an opportunity for students to reflect on how art was and is used as a vehicle to communicate, depict political and religious propaganda, and serve as evidence of cultural shifts and changes. Students will be challenged to contemplate the connection between art and context through reflective writing assessments and Discussion-Based Assessments. Students will build upon knowledge throughout the course and understand how art reflects and communicated cultural change and evolution. Students will develop critical skills of analysis, synthesis, and evaluation in this course by analyzing historical documents, working in a thematic context, developing proficiency in note-taking, free-response writing, and solving problems. Students will demonstrate their skills through participation in extended collaborative projects. Art History & Criticism 1 Honors is an honors-only course. All assessments in this course are honors level and students will earn honors credit only.



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**Pre-Requisites:**

**Credits:**

### Forensic Science

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, students examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy are examined. This course satisfies an elective credit.

**Pre-Requisites:** 10th-12th grade status recommended

**Credits:** 0.5

### Web Design

Explore interactive, real-world scenarios to learn basic Web design principles. From HTML to Adobe CS6 Dreamweaver and Photoshop, this course builds a strong foundation of Web design skills.

**Pre-Requisites:** None

**Credits:** 0.5

### Journalism I

Journalism I provides students with the fundamental basics of journalism. Students begin by exploring the history of American journalism, examining different media such as print, radio, television, and internet journalism. Students learn how to write a news story, a feature story, and an editorial, with a focus on research, analyzing the reliability of sources, conducting interviews, writing leads, revising, and self-editing. Students will also take a close look at different careers in journalism, ethics in journalism, and visual layouts using technology, including web 2.0 tools.

**Pre-Requisites:** MJ Language Arts 3 is recommended

**Credits:** 0.5

### 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 will 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 multidisciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government supported. terror, and they will get glimpses of kindness and humanity in the worst of times.

**Pre-Requisites:**

**Credits:** 0.5



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### Personal and Family Finance

They say money makes the world go round; but how? In this course, students learn how money impacts their world. Why do we pay taxes? How do credit cards work? How can students learn to spend money without going into debt? This course teaches students how to manage money properly to achieve financial success. Students learn how avoid common financial mistakes, as well as how to invest for their future. After completing the course, students understand how the financial world works and have the knowledge to manage their personal and family finances effectively.

**Pre-Requisites:**

**Credits:** 0.5

### Psychology I

Understanding the thoughts, emotions and behaviors of self and others is critical to developing and maintaining interpersonal relationships. In Psychology I, students learn theories of historically significant psychologists who laid the foundation for scientific research and a clearer understanding of the human mind. This course explores how psychological perspectives influence personality and play a role in human development across the lifespan. Students examine how behaviors are developed, memories are stored and language is acquired. Students also learn about the symptoms and classifications of psychological disorders, along with the various forms of treatments available. After completing this course, students will be equipped with problem solving strategies and even learn methods to cope with stress. Practical, everyday application of the content is a focus of this course.

**Pre-Requisites:** None

**Credits:** 0.5

### Sociology

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 will 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.

**Pre-Requisites:**

**Credits:** 0.5

### World Religions

How did we get to where we are today? Join Ali and Soo-jin, our modern time travelers, as they journey through World History to take you on an adventure as you discover the interconnectedness of world events and eras. Grab your passport for the adventure of a lifetime. In Segment I, students will learn how the Roman Empire developed in two very distinct directions. Next, students will discover the great intellectual and cultural contributions of Islamic Empires. Journey through the Middle Ages of Europe and Japan to learn how knights and samurais lived. You will also investigate the rise and fall of some of the great kingdoms of the Americas and Africa and then travel back to the Europe of the Renaissance and Reformation era. Hang on tight, before you dive into the Age of Discovery when eastern and western hemispheric encounters created for some turbulent times. Segment II begins with a bang as students will learn about advancements in science and thought during the Age of Enlightenment and the social and political revolutions that followed as a result. As



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students meander through the 19th century, they will learn about the transformation from an agricultural to an industrial world and the many changes that resulted from that shift. Students will then learn about the interconnectedness of nationalism and colonialism and the two massive world wars were the end result. As students approach the finish line, they will learn about development in our modern world and the implications that historical events have on us today.

**Pre-Requisites:**

**Credits:** 0.5

### AP Biology

This challenging course is designed to provide a college-level experience and prepare students for the AP exam in early May. Over two semesters, the students are engaged in a wide variety of activities, with substantial emphasis on interpreting and collecting data in virtual labs, writing analytical essays and mastering Biology concepts and connections. The key themes of the AP Biology course are: the scientific processes, the affects of science on technology and society, the chemistry and make up of living organisms, genetics, diversity, and evolution. Throughout this course you will be expected to answer questions, reflect on issues and complete lab activities. The primary emphasis is to develop an understanding of concepts rather than memorizing terms and technical details. The course will successfully prepare you for the AP Exam in May.

**Pre-Requisites:** Biology I, Chemistry I, Algebra I

**Credits:** 0.5

### AP Calculus I

Students in this course will walk in the footsteps of Newton and Leibnitz. An interactive course framework combines with exciting on-line course delivery to make calculus an adventure. The course includes a study of limits, continuity, differentiation, and the integration of algebraic, trigonometric, and transcendental functions, as well as the applications of derivatives and integrals.

**Pre-Requisites:** Algebra I, Geometry, Algebra II, Pre-Calculus or Trigonometry/Analytical Geometry.

**Credits:** 0.5

### AP English Literature and Composition

For a year, participate in an AP upscale dining experience in the AP Literature and Composition course. Students act as food critics of exquisite literary cuisine. Menu items include reading, analyzing, writing, rewriting, and discussing creations by the master chefs, renowned authors. With intensive concentration on composition skills and on authors' narrative techniques, this dining experience equips students with recipes for success in college, in a career and the AP exam.

**Pre-Requisites:** Successful completion of English I, II, & III. Student will be exposed to college-level composition and literature.

**Credits:** 0.5

### AP Language and Composition

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects



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as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The college composition course for which the AP English Language and Composition course substitutes is one of the most varied in the curriculum.

**Pre-Requisites:** Teacher recommendation, English I, II (honors), with a B+ average

**Credits:** 0.5

### AP Psychology

AP Psychology is a college-level course providing students with an overview of the development of human behaviors and thoughts. Along with preparation for the AP Psychology exam, the goals of this course are to immerse students in modern psychological investigation techniques, to accentuate the ethics and morality of human and animal research, and to emphasize scientific critical thinking skills in application to the social sciences. Psychology is a diverse social and biological science with multiple perspectives and interpretations. The primary emphasis of this course is to help students develop an understanding of concepts rather than memorize terms and technical details; the ultimate goal is to prepare students to successfully take the AP Psychology examination offered in May.

**Pre-Requisites:**

**Credits:** 0.5

### AP Statistics

Advanced Placement Statistics will introduce students to exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and employing statistical inference in order to analyze data and draw conclusions. <http://media.collegeboard.com/digitalServices/pdf/ap/ap-statistics-course-description.pdf>

**Pre-Requisites:** Algebra II

**Credits:** 0.5

### AP US History

AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance —American and national identity; politics and power; work, exchange, and technology; culture and society; migration and settlement; geography and the environment; America in the World— provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.

**Pre-Requisites:** None required, but strong reading and writing skills are recommended.

**Credits:** 0.5



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## Middle School Courses

### Middle School Language Arts I

Using a motif of Heroes, Helpers, and Hope, students in the Middle School Language Arts I course will acquire the reading, writing, language, and speaking/listening skills necessary for success in college, career, and beyond. Students will become critical readers and thinkers as they delve into fiction and informational texts within the course. They will also learn to effectively write narrative, informational, and argumentative pieces and present their ideas clearly and cohesively.

**Pre-Requisites:** This course is recommended for 6th grade.

**Credits:** 0.5

### Middle School Language Arts II

Using a motif of Mystery, Monsters, and Mayhem, students in the Middle School Language Arts II course will acquire the reading, writing, language, and speaking/listening skills necessary for success in college, career, and beyond. Students will become critical readers and thinkers as they delve into fiction and informational texts within the course. They will also learn to effectively write narrative, informational, and argumentative pieces and present their ideas clearly and cohesively.

**Pre-Requisites:**

**Credits:** 0.5

### Middle School Language Arts III

Using a motif of Innovation, Imagination, and Invention, students in the Middle School Language Arts III course will acquire the reading, writing, language, and speaking/listening skills necessary for success in college, career, and beyond. Students will become critical readers and thinkers as they delve into fiction and informational texts within the course. They will also learn to effectively write narrative, informational, and argumentative pieces and present their ideas clearly and cohesively.

**Pre-Requisites:**

**Credits:** 0.5

### Middle School Comprehensive PE I

Each community is full of fitness opportunities that enable students to achieve new levels of fitness through sports, dance, aquatics, and more! This course provides a foundation of knowledge, skills, and values students need to develop a physically active lifestyle. A friendly cast of course characters helps guide and enhance each student's experience. Knowledge about safety rules for exercise, how to improve sport skills, how different activities target different body parts, and how to set and a goal are all part of student learning and participation. Activity choices are plentiful, leading to a healthy and physically active lifestyle. The Presidential Fitness Challenge encourages students to perform their best with a chance to earn the Presidential Fitness award. Students keep a log of physical fitness activities while they explore topics such as diversity in sports, nutrition, peer pressure, and making good choices. A few PE projects deepen students' understanding of individual health and skill-related fitness, and the world as it relates to games and sports. Students choose various activities to reach goals they may have only dreamed about!



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**Pre-Requisites:**

**Credits:** 0.5

### Middle School Comprehensive PE II

Team sports, extreme sports, and outdoor sports are among the types of activities students learn about and participate in during this course! This interactive, highly animated course helps students learn safety rules for exercise, how to improve skills, and how to establish and accomplish goals. It also provides an overview of many dual, team, extreme, and outdoor sports. Students have the opportunity to earn a national award by participating in the Presidential Fitness Challenge. Practicing game strategy to improve the chance of winning in competition, improving sport skill and performance, diversity in sports, nutrition, peer pressure, and making good choices balance out the topics students discover in this course. Fitness logs help students monitor physical activities. Students complete projects that lead to the knowledge, skills, and values they need to implement and maintain a physically active lifestyle.

**Pre-Requisites:**

**Credits:** 0.5

### Middle School Grade 6 Mathematics

The course is designed to engage students at every turn. Students have the opportunity to demonstrate their knowledge of number manipulation by applying it to real world scenarios. The course is packed with games that reinforce content and let students practice the skills they have learned throughout the course. Tidbits of trivia and activities throughout the course leave students with a smile.

**Pre-Requisites:** Recommended for 6th grade

**Credits:** 0.5

### Middle School Grade 7 Mathematics

This course is designed to expand student knowledge about the transformation of shapes by sliding, flipping, rotating, and enlarging them on a coordinate plane. This course gives students the opportunity to create, investigate, and demonstrate knowledge at both intermediate and advanced levels. Students will be amazed with the skills that they accumulate while completing this course. This course is so full of animations, applications, videos, games, and real-world scenarios, students may think it is the latest video game.

**Pre-Requisites:** Recommended for 7th grade

**Credits:** 0.5

### Pre-Algebra

Students who love interactive learning will enjoy Pre-Algebra. This hands-on course is full of slideshows, applications, videos, and real-world scenarios. The satisfaction that students gain from truly understanding higher level concepts such as functions and systems of equations encourages excitement and joy for learning. The instruction in this course will focus on three critical areas: (1) analyzing two- and three-dimensional space and figures, through the use of distance, angles, similarity, congruence, and Pythagorean Theorem; (2) using functions to describe quantitative relationships; (3) formulating expressions and equations, including modeling an association in



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bivariate data with a linear equation, solving linear equations, and systems of linear equations. This course is appropriate for upper level middle school students or as a high school review course.

**Pre-Requisites:** Recommended for 8th Grade

**Credits:** 1.0

### Middle School Comprehensive Science I

Middle School Comprehensive Science I is the first in a series of three consecutive science classes. It introduces middle school students to the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. The lessons make real-world connections and require students to apply STEM skills like analysis, problem solving, science knowledge, and engineering practices. Hands-on and laboratory investigations are included throughout the course to provide students opportunities for exploration through scientific inquiry, research, measurement, problem solving, and experimental procedures. By the end of the course, students will be practicing, experimenting, thinking, and talking like a scientist!

**Pre-Requisites:** None

**Credits:** 0.5

### Middle School Comprehensive Science II

Middle School Comprehensive Science II is a comprehensive science including the disciplines of life science, physical science, and earth space science in addition to, technology, engineering and mathematics (STEM) concepts. The course is designed for middle school students. The lessons provide real world connections through the application of STEM problem solving, science knowledge and engineering practices. Laboratory investigations are included throughout the course and provide students opportunities for exploration through scientific inquiry, research, measurement, problem solving, and experimental procedures.

**Pre-Requisites:**

**Credits:** 0.5

### Middle School Comprehensive Science III

Prepare for high school science courses with this introduction of new topics and review of science basics. You will learn more about the nature of science, Earth and space science, properties of matter, changes in matter, matter and energy, and energy flow.

**Pre-Requisites:** None

**Credits:** 0.5

### Middle School United States History

Learning about history allows people to see how far we have come and what awaits us on our path to the future. In this course, students will explore the history of the United States and analyze the cause and effect in historical events. They will investigate history by using the tools of a historian to examine the historical, geographic, political, economic, and sociological events that influenced the development of the United States. Students will imagine what it was like to live in the past by reading the stories from the people who experienced it. This course begins with the engaging stories of what brought the earliest American colonists to the New World and ends with the struggles to repair the



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United States following the Civil War. Engaging in this study allows students to recognize the themes of history that span across centuries and leads to a greater appreciation of the development of the United States and the resulting impact on world history.

**Pre-Requisites:** This course is recommended for students in 8th grade. There are no prerequisites for the course.

**Credits:** 0.5

### Middle School World History I

Somebody discovered the wheel. Somebody discovered written communication. Somebody even figured out how to count to ten. From the ancient river civilizations to China and its ancient dynasties, different civilizations left their mark on history. They also left their mark on how we live today. In this course, students join travel agent Mr. Lightfoot to travel back in time digging out the past of these ancient civilizations. In ancient Egypt students visit the pyramids and find out the secrets of preserving mummies. They see how the Mayans developed astronomy to a precise science. They even investigate the difference between the Athenians and the Spartans. Students will journey through India discovering their contributions to medicine, moving on to Africa to follow the rise and fall of the ancient east African kingdoms of Kush and Axum. Throughout the centuries, and still today, our world is made up of dozens of different cultures. They all are different, and they all have made big contributions to what we know and who we are.

**Pre-Requisites:** Recommended for 6th grade

**Credits:** 0.5