



WESTCLIFF

PREPARATORY ACADEMY

Middle School Course List (MS)

Grade Levels: 6-8

Course Name	Description	Prerequisites
MS Beginning Spanish	Students are immersed in the rich and beautiful Spanish language and the diverse cultures that speak it. Students learn basic grammar and vocabulary skills to support language proficiency and fluency.	N/A
MS Business Keyboarding	Using SimpleType, an in-house typing software, students increase typing speed while learning proper techniques to become keyboarding masters. Students learn introductory word processing and best practices for electronic presentation.	N/A
MS Career Research and Decision-Making	Students participate in several self-assessment activities to help them become more aware of their unique interests, values, and skills. They explore career fields that match their interests and develop an understanding of the steps they would follow to obtain a job in one of those fields. They learn the importance of goal setting and begin to set short- and long-term goals. They also explore the influences of global trends, employment issues, cultural diversity, demographic shifts, and lifelong learning.	N/A
MS Civics	Learning about civics gives students the skills and knowledge necessary to be active citizens who positively impact their communities. Students discover the rights and responsibilities of citizenship in the United States.	<i>Recommended for 7th grade students</i>
MS Coding Fundamentals	Students learn the building blocks of coding using HTML to create a web page, and use the in-course Python Guided Activity to try their hands at programming with Python. Students learn how to use functions and loops to write small programs and more!	N/A



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MS Comprehensive P.E. 6/7	Students receive a foundation of the knowledge, skills, and values needed to develop a physically active lifestyle. A friendly cast of course characters helps guide and enhance each student's experience.	N/A
MS Comprehensive P.E. 7/8	Students learn about and participate in team sports, extreme sports, outdoor sports and more! This interactive course helps students learn the rules of safety for exercise and how to improve athletic skills.	N/A
MS Comprehensive Science I	The first in a series of three consecutive science classes, Students are introduced to middle school life, physical, and earth-space science.	N/A
MS Comprehensive Science II	The second in a series of three consecutive science classes, this course is about the disciplines of life, physical, and earth-space science, in addition to science, technology, engineering and mathematics (STEM) concepts.	<i>MS Comprehensive Science I recommended</i>
MS Comprehensive Science III	Students prepare for high school science courses with an introduction of new topics and review of science basics. Students learn more about the nature of science, Earth and space science, and properties of and changes in matter.	<i>MS Comprehensive Science II recommended</i>
MS Computer Science Discoveries	Students go on a journey into one of the fastest-growing and most exciting fields of the century. The course explores how computer science exists all around us, even when we are not aware. It gives students the opportunity to fine-tune their computer knowledge and coding skills, learn binary code, and create innovative projects.	N/A
MS Critical Thinking, Problem-Solving, and Learning Strategies	Students develop learning strategies, critical-thinking skills, and problem-solving skills to enhance their performance in all endeavors, whether academic or not.	N/A
MS Fitness Grade 6	Students who want to be healthy but don't know where to start are invited to join a diverse group of virtual classmates who work together to explore and understand fitness and health.	N/A



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MS Grade 6 Mathematics	Students are engaged at every turn. They have opportunities to demonstrate their knowledge of number manipulation by applying it to real-world scenarios.	<i>Recommended for 6th grade students</i>
MS Grade 7 Mathematics	Students expand their knowledge about the transformation of shapes by sliding, flipping, rotating, and enlarging them on a coordinate plane.	<i>Recommended for 7th grade students</i>
MS Intermediate Spanish	Students are immersed in the rich and beautiful Spanish language and the diverse cultures that speak it. In this course, students continue learning grammar and vocabulary skills.	<i>MS Beginning Spanish</i>
MS Language Arts I	Using a motif of Heroes, Helpers, and Hope, students acquire the reading, writing, language, and speaking/listening skills necessary for success in college, careers, and beyond.	<i>Recommended for 6th grade students</i>
MS Language Arts II	Using a motif of Mystery, Monsters, and Mayhem, students acquire the reading, writing, language, and speaking/listening skills necessary for success in college, careers, and beyond.	<i>MS Language Arts I recommended</i>
MS Language Arts III	Using a motif of Innovation, Imagination, and Invention, students acquire the reading, writing, language, and speaking/listening skills necessary for success in college, careers, and beyond.	<i>MS Language Arts II recommended</i>
MS Reading	Students enhance their student skills as active readers and practice strategies for comprehending what happens in the stories they read.	<i>N/A</i>
MS United States History	Students explore the history of the United States and analyze the cause and effect of historical events, allowing them to perceive progress and critically think about the future.	<i>Recommended for 8th grade students</i>
MS Visual Arts I	Students connect with the work of artists as they learn how to plan, create, and reflect on their own art. They will discover the tools and techniques artists use as they create drawings, sculptures, paintings, photographs, and mixed-media works.	<i>N/A</i>



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MS Visual Arts II	Students explore artistic themes as they continue to plan, create, and reflect on their own art. They grow their artistic skills by learning about additional mediums and techniques.	<i>MS Visual Arts I</i>
MS World History I	Students study the major events of human history, from the inventions of the wheel, writing and numbers, to the legacies and marks left behind by human civilizations. They learn about how milestones affect the course of history for all humans.	<i>Recommended for 6th grade students</i>
MS World History II	Students continue their education of world history by connecting events from the past to their contemporary world. They continue to examine civilizations that have left their mark on history and analyze what was significant.	<i>MS World History I</i>
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.	<i>Recommended for 8th grade students</i>



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High School Course List (HS)

Grade Levels: 9-12

Course Name	Description	Prerequisites
Agricultural Communications II	Agricultural Communications II prepares students with specialized knowledge in agriculture and media as they learn to design and develop marketing materials, engage with the community, and address needs of agricultural producers and consumers in a moral and ethical way. Students write news stories, compose photographs, create publications, and develop audio and video press materials. They also practice presenting speeches and visual presentations, developing real-world skills that apply across career fields. Throughout the course, students explore opportunities and develop employability skills to prepare for a career in the agricultural communication field.	<i>Agriscience Foundations I recommended</i>
Agriscience Foundations	Students learn about the scientific study of agriculture and its local and global impacts. Students dive into agricultural history by learning about scientific and research concepts that drive the field, animal and plant systems that support agriculture, as well as the effects of agriculture on the environment.	N/A
Algebra I	Students develop skills and strategies to solve highly varied mathematical problems. Algebra I emphasizes the importance of algebra in everyday life through hundreds of real-world examples.	N/A
Algebra I (for Credit Recovery)	Students are provided an opportunity to retake Algebra I for full credit if they previously took it and did not pass.	<i>Student previously completed Algebra I without a passing grade</i>
Algebra II	Students learn advanced content through hands-on activities, real-world applications, group interactions, and the latest technology. Interactive examples help	<i>Algebra I recommended</i>



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	guide students' journeys with customized feedback and praise.	
Algebra II (for Credit recovery)	Students are provided an opportunity to retake Algebra II for full credit if they previously took it and did not pass.	<i>Student previously completed Algebra II without a passing grade</i>
American History I	Students explore the history of America and analyze the cause and effect relationships of historical events, allowing them to perceive progress and critically think about the future.	<i>Recommended for 8th grade students</i>
American History II	Since its establishment, the United States and its citizens and visitors have endured social, political, and economic revolutions. Students investigate this history for themselves.	<i>Recommended for 10th and 11th grade students; American History I strongly recommended</i>
American Sign Language I	Students jumpstart their American Sign Language (ASL) journey by learning the basics of this visual language and exploring Deaf culture.	N/A
American Sign Language II	Students reinforce the fundamental skills acquired in American Sign Language I. They continue their journeys by increasing their interpretive and communicative skills in this visual language while continuing to explore Deaf culture.	<i>American Sign Language I</i>
Anatomy and Physiology	Students explore the organization and functions of the human body. They acquire the knowledge necessary to understand their bodies and how they can help the body cope with many different situations.	<i>Biology I recommended</i>
AP Art History	Students explore the connections between culture, art, and historical context through the critical analyses of art, culture, and creative purpose.	<i>Due to the mature nature of the course content, it is recommended for students in 10th grade or above; concurrent or successful completion of World History is also recommended.</i>
AP Biology	Students are provided with college-level experience and prepare for the advanced placement (AP) exam	<i>Biology I; Chemistry I; Algebra I</i>



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	in early May.	
AP Calculus AB	Students walk in the footsteps of Newton and Leibnitz in this interactive course. The framework combined with an exciting online course delivery to make calculus an adventure.	<i>Algebra I; Algebra II; Geometry; Pre-Calculus or Trigonometry/Analytical Geometry</i>
AP Calculus BC	Students continue to walk in the footsteps of Newton and Leibnitz. The course is once again delivered through an interactive and online framework that takes every student on a journey..	<i>Algebra I; Algebra II; Geometry; Pre-Calculus or Trigonometry/Analytical Geometry</i>
AP Computer Science A 1.0	Students begin their work in computer science in this introductory course. A large part of the course involves developing the skills to write programs or parts of programs that correctly solve specific problems.	<i>Algebra I and Algebra II recommended</i>
AP English Language and Composition	This course 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 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.	<i>Teacher recommendation, English I, II (honors) with B+ average</i>
AP English Literature and Composition	Students receive college-level instruction and practice active, close reading, while performing analyses of imaginative literature.	<i>English I; English II; English III</i>
AP Environmental Science	Students study Earth's key natural systems in relation to human lifestyles. With the current changes in global climate, rising sea levels, and warming oceans, it is important for students to discover the state of Earth's systems and the consequences of human activities.	<i>Algebra I; two years HS science with labs</i>



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AP Human Geography	Students receive college-level instruction on the patterns and processes that impact the way humans understand, use, and change Earth's surface.	N/A
AP Macroeconomics	Students study and interpret whole economies and how an economic system works together. They will utilize Gross Domestic Product (GDP) and study trends such as inflation and unemployment.	N/A
AP Microeconomics	Students investigate how individual people and entities make economic decisions to make the most of their resources. They focus on individual decisions and interactions among individuals and entities.	<i>Algebra I recommended</i>
AP Psychology	Students are immersed in the scientific study of human behavior and cognition. Students learn about notable figures and cutting-edge psychological research. Students spend time investigating ethical considerations related to human and animal research.	N/A
AP Statistics	Students are introduced to the exploration of data, sampling and experimentation by planning and conducting studies, anticipation of patterns using probability and simulation, and employment of statistical inference to analyze data.	<i>Algebra II</i>
AP United States Government and Politics	Students develop and use disciplinary practices and reasoning processes to explore political concepts, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture.	<i>United States History Recommended</i>
AP United States History	Students develop their abilities to think conceptually about U.S. history from approximately 1491 to the present, and apply historical concepts and critical-thinking skills to the stories of the past. .	<i>Strong reading and writing skills strongly recommended</i>
Art History and Criticism i Honors	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	N/A



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	<p>and is used as a vehicle to communicate and depict political and religious propaganda, and serve as evidence of cultural shifts and changes. Students are challenged to contemplate the connection between art and context through reflective writing assessments and discussion-based assessments. Students build upon knowledge throughout the course and understand how art reflects and communicates cultural change and evolution. Students 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 demonstrate their skills through participation in extended collaborative projects. Art History and Criticism I Honors is an honors-only course. All assessments in this course are honors-level and students will earn honors credit only.</p>	
Biology I	<p>Students are guided 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.</p>	N/A
Biology I (for Credit Recovery)	<p>Students are provided an opportunity to retake Biology I for full credit if they previously took it and did not pass.</p>	<i>Student previously completed Biology I without a passing grade</i>
Calculus	<p>Students walk in the footsteps of Newton and Leibnitz! Interactive text and graphing software are combined with exciting, online course delivery to make calculus an adventure. This course includes a study of limits, continuity, differentiation, and integration.</p>	<i>Algebra I; Algebra II; Geometry; Pre-Calculus or Trigonometry/Analytica I Geometry</i>



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Calculus Honors	Walk in the footsteps of Newton and Leibnitz! An interactive text and graphing software combine with exciting online 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.	<i>Algebra I, Algebra II, Geometry, Pre-Calculus or Trigonometry/Analytical Geometry</i>
Chemistry I	Students take a two-segment course on the foundations of chemistry, building on the concepts and scientific thinking laid in middle school science.	<i>Algebra I</i>
Chemistry I (for Credit Recovery)	Students are provided an opportunity to retake Chemistry I for full credit if they previously took it and did not pass.	<i>Student previously completed Chemistry I without a passing grade</i>
Chinese I	Students learn the basics of Chinese by joining native speakers of Mandarin Chinese as they give a lively introduction to the language and the rich cultures that speak it.	<i>N/A</i>
Chinese II	Students further develop the communicative skills of listening, speaking, reading, and writing in Mandarin Chinese at a more advanced level. Students are immersed in Chinese culture as virtual exchange students in China.	<i>Chinese I</i>
Chinese III	Students continue their study of Chinese Mandarin, continuing to build their knowledge of vocabulary, sentence patterns, and grammar points in communicative contexts.	<i>Chinese I; Chinese II</i>
College and Career Readiness	Students often wonder about making plans after high school. In this course students are shown the educational and career opportunities available to them. They learn how to get accepted to and pay for college, how to find a job, and much more!	<i>N/A</i>
Comprehensive American History	Since its establishment, the United States and its citizens and visitors have endured social, political, and economic revolutions. Students investigate this history for themselves.	<i>Recommended for 10th and 11th grade students; English I strongly recommended</i>



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Computer and Network Security Fundamentals	Students explore the fundamentals of computer safety, network security, and prevention of digital attacks. They experience a hands-on approach to security strategies, computer and networking security techniques, and improve their problem-solving skills.	N/A
Consumer Mathematics	Students travel through a lifespan and explore how money can shape their lives. They learn about earning, saving, and spending so that they can make their money work for them.	N/A
Critical Thinking and Study Skills	Students learn how to get better grades and higher test scores, and increase their success in high school.	N/A
Cybersecurity Essentials 1.0	Students learn about defensive strategies for the security of computers, mobile devices, and networks. Students experience a hands-on approach to security strategies, expand their computer and networking security techniques, and improve their problem-solving skills. They also explore numerous employment opportunities and prepare for one of the fastest growing industries: cybersecurity.	N/A
Digital Information Technology	Students dive into an exciting course that provides them with the foundational skills needed for exciting careers, such as development, military defense, web design, and software engineering.	N/A
Earth Space Science	Students are captivated by the wonders and beauty of the third planet from our Sun, Earth. They are amazed by the discoveries that await within the solar system and beyond. Students explore the universe.	N/A
Economics	Students study how economic decisions affect people's lives every day. They investigate how the study of economics means thinking about how scarcity, or limited resources, requires making choices and evaluating one option against others.	<i>Recommended for 10th and 11th grade students; English I and English II recommended</i>



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<p>Economics with Financial Literacy</p>	<p>Students study how economic decisions affect people’s lives every day. Understanding economics means thinking about how scarcity, or limited resources, requires making choices and evaluating one option against others. Financial literacy allows students to evaluate these concepts from the perspective of maintaining healthy finances.</p>	<p><i>Recommended for 11th and 12th grade students; English I and English II recommended</i></p>
<p>Economics with Financial Literacy (for Credit Recovery)</p>	<p>Students are provided an opportunity to retake Economics with Financial Literacy for full credit if they previously took it and did not pass.</p>	<p><i>Student previously completed Economics with Financial Literacy without a passing grade</i></p>
<p>ELL Success I</p>	<p>Students are taken on an inspiring “Superhero” journey where they develop confidence, build pride in their culture, achieve their goals, and help their peers succeed. They learn how to take action to improve their own lives and manage their time.</p>	<p><i>Recommended For English Language Learners</i></p>
<p>ELL Success II</p>	<p>Every ELL student is trained to think in an academic mindsets and incorporate study skills for success. Students learn how to accelerate their language acquisition in reading, writing, speaking, and listening.</p>	<p><i>ELL Success I</i></p>
<p>English I</p>	<p>Students are taken on a new journey in each unit. Through the study of literature, nonfiction, and life, students explore the unknown, search for identity and equality, and seek achievement, opportunity, and understanding.</p>	<p><i>N/A</i></p>
<p>English I (for Credit Recovery)</p>	<p>Students are provided an opportunity to retake English I for full credit if they previously took it and did not pass.</p>	<p><i>Student previously completed English I without a passing grade</i></p>
<p>English II</p>	<p>Students are shown how the real-life human experience is the foundation of the best stories, plays, poems, films, and articles.</p>	<p><i>English I</i></p>



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English II (for Credit Recovery)	Grade 10 students are provided an opportunity to retake English II for full credit if they previously took it and did not pass.	<i>Student previously completed English II without a passing grade. Students may take one or both segments to recover the credit.</i>
English III	Students review the writing and insights of authors throughout history from the fast-paced pages of <i>The Virtual Times</i> newspaper. Students gain an appreciation of American literature and the ways it reflects the times in which it was written.	<i>English I and English II recommended</i>
English III (for Credit Recovery)	Students are provided an opportunity to retake English III for full credit if they previously took it and did not pass.	<i>Students must combine a previously unsuccessful attempt of English III with a passing score in this course</i>
English IV	Students explore the world of big ideas in English IV, where they choose which path to travel first as they explore highly-engaging, thematic units.	<i>English I, English II and English III recommended</i>
English IV College Preparation	Students develop the skills they need to gain insights from what they read and to use their knowledge in creative and analytical writing. The course begins with fundamentals in reading and writing.	<i>English I, English II and English III recommended</i>
English IV (for Credit Recovery)	Students are provided an opportunity to retake English IV for full credit if they previously took it and did not pass.	<i>Student previously completed English IV without a passing grade</i>
Environmental Science	Students discuss the environmental challenges that impact the future, such as land use, pollution, climate change, and loss of biodiversity. This course is centered around achieving global sustainability to meet the needs of a growing human population, while also sustaining and preserving natural resources and protecting Earth's various systems.	N/A



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Fitness Lifestyle Design	Students are offered three modules of motivation: Move Strong, Live Well, and Eat Healthy. The modules guide students through learning about strength and endurance training.	N/A
Foundations of Programming	Students learn about the fundamentals of programming using the computer language Python. Students are provided with the concepts, techniques, and processes associated with computer programming and software development.	<i>Digital Information Technology</i>
French I	Native French speakers guide students through a lively introduction to the French language and the rich cultures that speak it. Students join them in their everyday environments as they take students through different daily scenarios.	N/A
French II	Students are immersed in the French language and culture. This course is full of engaging and interactive videos, dialogues, presentations, and much more.	<i>French I</i>
Geometry	Geometry is everywhere. Engineers use geometry to build highways and bridges. Artists use geometry to create perspective in their paintings, and mapmakers help travelers navigate using the points located on a geometric grid	<i>Algebra I</i>
Geometry (for Credit Recovery)	Geometry is everywhere. 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.	<i>Students must combine a previously unsuccessful attempt of Geometry with a passing score in this course</i>
Health opportunities Through Physical Education (HOPE)	With a focus on health and fitness, students are guided 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.	N/A



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<p>Hebrew I</p>	<p>Immerse yourself in the beauty of the modern Hebrew language and its richness. In the Hebrew I course, you will learn beginning grammar and vocabulary skills to help build basic fluency and language proficiency. You will explore the culture and apply what you learn through novice written practice, listening, reading, and speaking exercises.</p>	<p>N/A</p>
<p>Integrated Biology</p>	<p>Students are guided 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.</p>	<p>N/A</p>
<p>Integrated Mathematics I</p>	<p>Students learn about the basic knowledge needed for all future high school math courses. The material covered in this course is important, and everyone can do it.</p>	<p>N/A</p>
<p>Integrated Mathematics II</p>	<p>One day in 2580 BCE, a very serious architect stood in a dusty desert with a set of plans. His plans called for creating a structure 480 feet tall, with a square base and triangular sides, using stone blocks weighing two tons each.</p>	<p><i>Integrated Mathematics I</i></p>
<p>Integrated Mathematics III</p>	<p>Students 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 and stadium seating.</p>	<p><i>Integrated Mathematics I; Integrated Mathematics II</i></p>
<p>Intensive Reading: A Universe of Reading</p>	<p>Students are provided instruction that enables them to accelerate the development of reading and writing skills, and to strengthen those skills so they are able to successfully read and write grade-level text independently.</p>	<p>N/A</p>
<p>Intensive Reading: Fields of Reading</p>	<p>Students are provided instruction that enables them to accelerate the development of reading and writing skills, and to strengthen those skills so they are able to successfully read and write grade-level text independently.</p>	<p>N/A</p>



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Introduction to Hospitality and Tourism	Students learn about the "industry of fun" by diving into the numerous career avenues and business opportunities of the hospitality and tourism industry including airlines, hotels, and cruise ships.	N/A
Introduction to the Teaching Profession	Students explore what it takes to be a teacher, whether they work in a classroom, hospital, or corporate setting. They learn about the history, purposes, issues, ethics, laws, regulations, roles, and qualifications of teaching.	N/A
Journalism I	Students are provided with the fundamental basics of journalism. They begin by exploring the history of American journalism, and continue by examining different media such as print, radio, television, and internet journalism	N/A
Latin I	There is a reason "all roads lead to Rome." Maybe it is because Romans built much of the ancient world's highway system. Maybe it is also because the Roman culture and Latin language laid the foundation for much of Western culture.	N/A
Latin II	A story of epic proportions. History changing battles, great poets and statesmen, classic art and architecture, and a language that was heard throughout most of the known world. Students read the opening credits of an epic movie.	<i>Latin I</i>
Latin III	Students take their knowledge to the next level by strengthening their Latin vocabulary and appreciation for well-crafted writing. They read some of the best Latin prose and poetry ever written or spoken.	<i>Latin I; Latin II</i>
Leadership Skills Development I	Students acquire new power to succeed in high school, college, and life. They learn how to take action by pressing their Turbo Button, managing their time by staying in the Lasting Zone, and charting their goals.	N/A
Leadership Skills Development II	Students increase their confidence and build their social skills as they learn how to overcome many of	N/A



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	the toughest challenges teens face.	
Liberal Arts Mathematics I	Students 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 I.	<i>Grade 8 Pre-Algebra</i>
Liberal Arts Mathematics II	Students dive into Liberal Arts Math II through interactive, video-based content.	<i>Algebra I and Geometry required; Algebra II strongly recommended</i>
Life Management Skills	Each day hundreds of decisions are made, including important decisions that have a huge impact on personal lives. Making good decisions is much easier for those who have the correct information before making those decisions.	<i>N/A</i>
Marine Science	Humans have always relied on the ocean. However, Earth continues to change as human activity continues to impact the environment. Students explore the watery depths of Earth.	<i>N/A</i>
Personal Financial Literacy	Learning to make sound financial decisions is one of the most important lessons a student can learn. Students study financial decision-making skills using real-life applications and data.	<i>Algebra I recommended</i>
Personal Fitness	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 course.	<i>N/A</i>
Physical Science	Students learn the foundational concepts of physics and chemistry. They explore scientific inquiry, interactive experiences, higher-order thinking, collaborative projects, and real-world applications.	<i>N/A</i>
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.	<i>Algebra I required; Algebra II recommended</i>



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Pre-Calculus Honors	Students, as mathematical analysts, investigate how advanced mathematics concepts can solve problems encountered in operating national parks. Students study functions and develop skills necessary for the study of calculus.	<i>Algebra I; Algebra II; Geometry</i>
Probability and Statistics Honors	Students are introduced to the exploration of data, sampling and experimentation by planning and conducting studies, anticipation of patterns using probability and simulation, and employment of statistical inference for data analysis.	<i>Algebra II</i>
Procedural Programming	Students learn advanced programming concepts using the computer language Python. They learn techniques and processes associated with computer programming and software development.	<i>Digital Information Technology; Foundations of Programming</i>
Psychology I	Understanding the thoughts, emotions and behaviors of the self and others is critical to the development and maintenance of interpersonal relationships. Students learn theories of historically significant psychologists.	<i>N/A</i>
Social Media I	Students learn that the world of social media revolves around them – their actions, decisions, and interests. They examine how social media has evolved. They investigate how to find authenticity and truth within an online world.	<i>N/A</i>
Spanish I	Students learn basic grammar and vocabulary skills to build fluency and language proficiency. Students explore the culture of Spanish speaking countries through interactive games, videos, and audio recordings.	<i>N/A</i>
Spanish II	Students embark on the next leg of their journeys to Spanish fluency. They continue building listening, speaking, reading, and writing skills as well as increasing their cultural awareness of Spanish-speaking countries.	<i>Spanish I</i>



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Spanish III Honors	Students dive into the rich diversity of Hispanic culture across the globe by exploring the tastes, sights, and sounds of this dynamic language, which reflects triumph, struggle, celebration, and more.	<i>Spanish I; Spanish II</i>
Spanish IV Honors	Students expand their Spanish language skills. However, it also takes them on a fascinating cultural journey. They also experience the rich traditions of the varied cultures that speak the language.	<i>Spanish I; Spanish II; Spanish III; Spanish IV</i>
Thinking and Learning Strategies	Students "coach" their "team" about thinking skills to meet academic challenges. Through reading, writing, and math activities, students develop critical thinking skills and test-taking strategies.	N/A
United States Government	Responsible citizenship (including civil and political participation) is essential to maintain a representative government that truly represents the people of the United States.	<i>Recommended for 11th and 12th grade students; English I and English II recommended</i>
United States Government (for Credit Recovery)	Responsible citizenship, including civil and political participation is essential to maintain a representative government that truly represents the people of the United States.	<i>Student previously completed United States Government without a passing grade. Students may take one or both segments to recover the credit.</i>
United States History	Since its establishment, the United States and its citizens and visitors have endured social, political and economic revolutions. Students study this history for themselves.	<i>Recommended for 10th and 11th grade students; English I recommended</i>
United States History (for Credit Recovery)	Students focus on the period from the Civil War to the present.	<i>Student previously completed United States History without a passing grade. Students may take one or both segments to recover the credit.</i>



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World History	Students learn how the Roman Empire developed in two very distinct directions. Students then discover the great intellectual and cultural contributions of Islamic Empires.	N/A
World History (for Credit Recovery)	Students join modern time travelers Ali and Soo jin as they journey through world history and help students discover how world events and eras are connected.	<i>Student previously completed World History without a passing grade. Students may take one or both segments to recover the credit.</i>