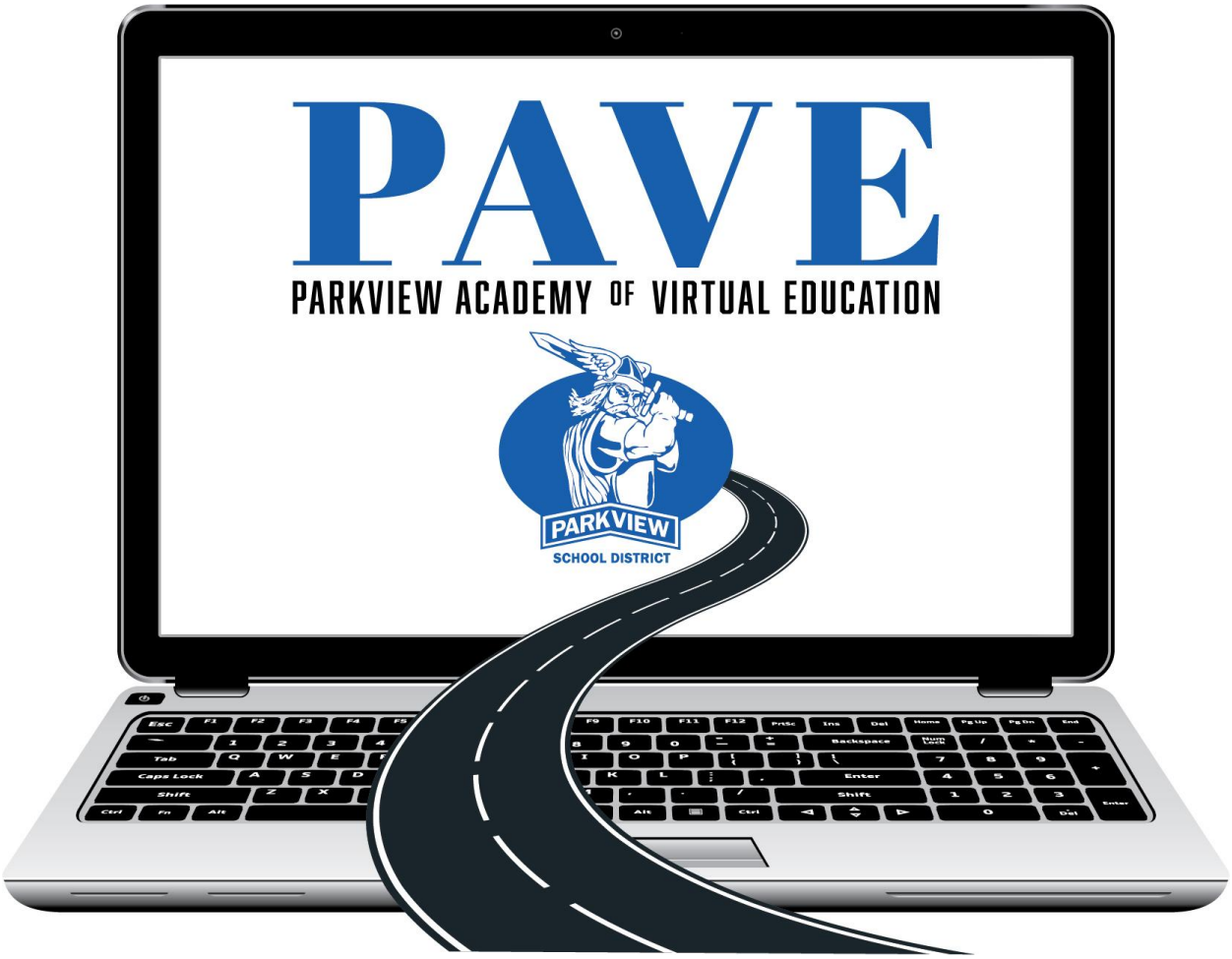
PARKVIEW ACADEMY OF VIRTUAL EDUCATION



Middle School Course Catalog
2023-2024

ART

Intermediate American Art II- 6th Grade

Intermediate American Art II lessons include an introduction to the artists, cultures, and great works of American art and architecture from the end of the Civil War through modern times. Students will investigate paintings done in various styles, from impressionist to pop; learn about modern sculpture and folk art; discover how photographers and painters have inspired one another; examine examples of modern architecture, from skyscrapers to art museums; and create artworks inspired by works they learn about.

Prerequisites: None **Course Length:** Year

Intermediate World Art I- 7th Grade

Intermediate World Art I lessons include an introduction to the artists, cultures, and great works of world art and architecture from ancient through medieval times. Students will investigate how artists from different civilizations used various techniques, from painting to mosaic; examine elements of design and styles of decoration, from the spiral to the solar disk; and explore some of the best-preserved works from ancient tombs, including the treasures of Egypt's King Tut.

Prerequisites: None **Course Length:** Year

Intermediate World Art II- 8th Grade

Intermediate World Art II lessons include an introduction to the artists, cultures, and great works of world art and architecture from the Renaissance through modern times. Students will study various works of art from the Renaissance and beyond; discover great works of art and see how they influenced later artists; compare and contrast works from many civilizations, from paintings to sculpture, architecture, book covers, prints, and more. Students will also create artwork inspired by the works they learn about.

Prerequisites: None **Course Length:** Year

Photography

Photographs play an important role in our world today. We photograph to preserve memories, document events and create artistic works. This course introduces students to the basics of photography, including camera functions and photo composition. Students will learn what it takes to create a good photograph and how to improve photographs of animals, people, and vacations. They will also begin working with their photographs using photo-editing software. Through various assigned projects, students will engage their creativity by photographing a range of subjects and learning to see the world through the lens of their cameras.

Prerequisites: None **Course Length:** One Semester

Course lists are subject to change. Additional materials may be required.
Not all courses may be available due to teacher availability.

CAREER PREP

Career Explorations I: 6th Required

How do you pick a career path when you're not sure what's even out there? This course allows you to begin exploring options in fields such as teaching, business, government, hospitality, health science, IT, and more! You'll align your interests, wants, and needs to career possibilities, including the required education for each. Let's find a pathway that works for you.

Prerequisites: None **Course Length:** One Semester

Career Explorations II: 7th grade Required

Imagine that it's 20 years from now. What career do you see yourself in? What do you imagine that you'll be doing? Will you be fighting forest fires or engineering the next rocket into space? With all the available careers, narrowing them down can be difficult. In Middle School Career Exploration II, we'll explore more careers and what it takes to succeed in them. You'll learn more about what steps to take to prepare for your career and how to compare the pros and cons of different career choices. Finally, you'll get the chance to try out parts of different careers to see if you're a perfect fit!

Prerequisites: Career Explorations I **Course Length:** One Semester

Ag Explorations: 8th grade

This course is designed as an exploration of the agriculture career pathways. Students will get an introduction to agriculture careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of agribusiness and agriscience and career options in each area. Students study the concepts of horticulture, natural resources, and livestock production, in addition to other common agriculture-related functions. Students complete projects to develop a deeper understanding of these agricultural functions' roles.

Prerequisites: Career Explorations I **Course Length:** One Semester

Business and Healthcare Explorations: 8th grade

In this course, students explore basic concepts in the broad areas of business and healthcare, as well as career options in each area.

Business: How do business ideas become businesses? How are products marketed? How do you know if a business is making or losing money? These are among the questions that students explore in the business portion of this course. In addition to studying concepts of entrepreneurship, accounting, and marketing, students explore these concepts on scales that range from a single person to nations.

Healthcare: Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in identifying and treating diseases.

Prerequisites: Career Explorations I **Course Length:** One Semester

Course lists are subject to change. Additional materials may be required.
Not all courses may be available due to teacher availability.

Manufacturing Explorations: 8th grade

Think about the last time you visited your favorite store. Have you ever wondered how the products you buy make it to the store shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In this course, you'll learn about the types of manufacturing systems and processes used to create the products we buy every day. You'll also be introduced to the various career opportunities in the manufacturing industry, including those for engineers, technicians, and supervisors. As a culminating project, you'll plan your own manufacturing process for a new product or invention! If you thought manufacturing was little more than mundane assembly lines, this course will show you how exciting and fruitful the industry can be.

Prerequisites: Career Explorations I **Course Length:** One Semester

COMPUTER SCIENCE

Coding Fundamentals: Intro

This course is designed as an exploration of career pathways in Computing. In this course, students explore basic concepts in the broad areas within the National Career Clusters® Framework and a career option. Students study the concepts of digital life, how coders write programs, programming languages, the development life cycle, security, and more. They also complete a Capstone Project.

Prerequisites: None **Course Length:** Year

Computer Literacy

In this introductory course, students learn how to use Microsoft Word, Excel, and PowerPoint to create, analyze, edit, share, and publish information for a variety of audiences and purposes. Through step-by-step tutorials and a project-based approach to learning, students become familiar with the key concepts and basic skills of today's information technology sector.

Prerequisites: None **Course Length:** One Semester

Game Design 1

We love to play video games, but have you ever wanted to build your own? If you are interested in a career in technology but also want a creative outlet, Game Design might be the field for you. Learn how to build a game from the ground up in this interactive and hands-on course that will teach you all the ins and outs of making your own game.

Prerequisites: None **Course Length:** One Semester

Course lists are subject to change. Additional materials may be required.
Not all courses may be available due to teacher availability.

Game Design 2

This course is a Project-Based Learning course (PBL). Now that you have the basics of game design down let's use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design.

Prerequisites: Game Design I (or equivalent) **Course Length**: One Semester

Introduction to the Internet

Introduction to the Internet is a CodeHS introductory computer science course that teaches the basics of designing a web page and how information is represented digitally and sent over the Internet. Students will create a personal portfolio website showing projects they build throughout the course. With a unique focus on creativity, problem-solving, and project-based learning, Introduction to the Internet gives students the opportunity to explore several important topics of computing using their own ideas and creativity to develop an interest in computer science that will foster further endeavors in the field. Each lesson includes at least one formative short multiple-choice quiz. At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the concepts covered in the unit.

Prerequisites: None **Course Length:** One Semester

World of Computing

World of Computing is a CodeHS introductory computer science course introducing the basics of programming with Karel the Dog and the history and impact of computing. Students will learn to code using blocks to drag and drop, but they can switch between blocks and text as desired.

With a unique focus on creativity, problem-solving, and project-based learning, World of Computing gives students the opportunity to explore several important topics of computing using their own ideas and creativity to develop an interest in computer science that will foster further endeavors in the field.

Each lesson includes at least one formative short multiple-choice quiz. At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the concepts covered in the unit.

Prerequisites: None **Course Length:** One Semester

Web Design

Web Design is a CodeHS course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi-page websites.

Each lesson includes at least one formative short multiple-choice quiz. At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the concepts covered in the unit.

Prerequisites: None **Course Length:** One Semester

ENGLISH

Language Arts 6

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

Prerequisites: Language Arts Grade 5 or equivalent **Course Length:** Year

Language Arts 7

This course continues the development of comprehension and analysis of informational and fictional texts with an ongoing emphasis on reading strategies. Students express themselves using standard (formal) English in written and oral presentations. Analyzing and practicing the form and structure of various genres of writing enhances students' communication skills. Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies. The course includes discussion activities that engage students in the curriculum while creating a sense of community.

Prerequisites: Language Arts Grade 6 or equivalent **Course Length:** Year

Language Arts 8

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

Prerequisites: Language Arts Grade 7 or equivalent **Course Length:** Year

Journalism- ELECTIVE

Who? What? When? Where? Journalism provides us with the answers to these questions about the events that affect our lives. In this course, students will learn how to gather information, organize ideas, format stories for different forms of news media, and edit their stories for publication. The course will also examine the historical development of journalism and the role of journalism in society.

Prerequisites: None **Course Length:** One Semester

Course lists are subject to change. Additional materials may be required.
Not all courses may be available due to teacher availability.

HEALTH

Health 6

The sixth-grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the renal and urinary system, nutrition, food allergies, prevention of common diseases, the influence of the media on health behaviors and buying habits, safety, Internet safety, conflict resolution, bullying, and violence prevention. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol, including the opioid epidemic; environmental health, including a service project; and mental and emotional health and disorders. The course engages students with relevant health and wellness topics, real-world concepts, and health issues. Graded assignments, quizzes, and tests assess students' understanding of the various health topics and concepts from the course.

Prerequisites: None **Course Length:** One Semester

Health 7: Required

The seventh-grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the circulatory system, the benefits of physical activity, nutrition, identifying and avoiding risky behaviors, safety, building character through maintaining healthy relationships, bullying, and violence prevention. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol, environmental health, and mental and emotional health and disorders. The course engages students with relevant health and wellness topics, real-world concepts, and health issues. Graded assignments, quizzes, and tests assess students' understanding of the various health topics and concepts from the course.

Prerequisites: None **Course Length:** One Semester

Health 8

The eighth-grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the nervous system, communicable and non-communicable diseases, online safety, and conflict resolution. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol, environmental health, and mental and emotional health and disorders. The course engages students with relevant health and wellness topics, real-world concepts, and health issues. Graded assignments, quizzes, and tests assess students' understanding of the various health topics and concepts from the course.

Prerequisites: None **Course Length:** One Semester

HISTORY

History 6: American History Since 1865

The second half of a detailed two-year survey of the history of the United States, this course takes students from the westward movement of the late 1800s to the present. Lessons integrate topics in geography, civics, and economics. The course guides students through critical episodes in the story of America. Students examine the effect of the settlement of the American West; investigate the social, political, and economic changes that resulted from industrialization; explore the changing role of the United States in international affairs from the late nineteenth century through the end of the Cold War; and trace major events and trends in the United States from the Cold War through the first decade of the twenty-first century.

Prerequisites: None **Course Length:** Year

History 7: World History

World History I surveys the story of the human past from the period before written records, prehistory, through the fourteenth century. The course is organized chronologically and, within broad eras, regionally. The course focus is the story of the human past and changes over time, including the development of religion, philosophy, the arts, and science and technology. Geography concepts and skills are introduced as they appear in the context of the historical narrative. Students explore what archaeologists and historians have learned about the earliest hunter-gatherers and farmers and then move to a study of the four river valley civilizations. After a brief writing unit, they study the origins of Confucianism, Hinduism, Buddhism, and Judaism and the eras in which they developed. The second half of the course traces the story of classical Greece and Rome, the Byzantine Empire, and the origins of Christianity and Islam, and then continues through the fourteenth century in Europe, North Africa, and East Asia. Historical thinking skills are a key component of Intermediate World History. Students practice document and art analysis, conduct research, and write in a variety of formats. They also practice map reading skills and look at how historians draw conclusions about the past as well as what those conclusions are.

Prerequisites: None **Course Length:** Year

American History 8: American History to the Late 1800s

In American History to the Late 1800s, students study major historical events and people from colonization through Reconstruction. This includes a study of Colonial America, the Revolutionary War, the Constitution's drafting, the United States's growth, the Civil War, and Reconstruction. In addition, the course contains two flex units of lessons that can be used as part of the main course to address local standards. One of these units focuses on the history and cultures of Native Americans and other indigenous peoples and their descendants, who have contributed to the history of the United States. The second flex unit covers the major historical events and people from post-Reconstruction to the beginning of the twentieth century. Throughout the course, students practice critical analysis skills as they read primary sources and study historical accounts from a variety of perspectives. They expand their knowledge of the world around them by studying how geography has influenced American history. By analyzing related current events, students see how the events of yesterday affect the world around them today. Students also reflect on changes and continuities within and between time periods. Students demonstrate their knowledge through a mixture of projects, discussions, tests, and independent work.

Prerequisites: None **Course Length:** Year

Course lists are subject to change. Additional materials may be required.
Not all courses may be available due to teacher availability.

MATHEMATICS

Math 6

In this grade 6 mathematics course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division and in preparation for work with proportional relationships in Grade 7. Students also make connections among area, volume, and surface area and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations.

Prerequisites: Math 5 or equivalent **Course Length:** Year

Math 7

In this grade 7 mathematics course, students focus on real-world scenarios and mathematical problems involving algebraic expressions and linear equations and begin to apply their understanding of rational numbers with increased complexity. The course lays the foundation for exploring concepts of angle, similarity, and congruence, more formally addressed in Grade 8, as students work with scale drawings and construct and analyze relationships among geometric figures. Students also develop and apply an understanding of proportional relationships.

Prerequisites: Math 6 or equivalent **Course Length:** Year

Math 8

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

Prerequisites: Math 7 or equivalent **Course Length:** Year

Algebra I- Advanced Math Track Only

The Summit Algebra 1 course is intended to formalize and extend the mathematics students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also

apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

Prerequisites: None **Course Length:** Year **Grade Level:** 8

MUSIC

Spotlight on Music 6: Required

Explore and build foundational musical skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings, and playing the recorder. Six units in the course are organized into four sections: Spotlight on Concepts, Spotlight on Music Reading, Spotlight on Performance, and Spotlight on Celebrations. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.

Prerequisites: None **Course Length:** Year

Spotlight on Music 7

Explore and build foundational musical skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings, and playing the recorder. The course is organized into nine units. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.

Prerequisites: None **Course Length:** Year

Spotlight on Music 8

Explore and build foundational musical skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings, and playing the recorder. The course is organized into nine units. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.

Prerequisites: None **Course Length:** Year

PHYSICAL EDUCATION

Physical Fitness 6: Required

Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity.

Prerequisites: None **Course Length:** One Semester

Physical Fitness 7: Required

Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity.

Prerequisites: None **Course Length:** One Semester

Physical Fitness 8: Required

Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity.

Prerequisites: None **Course Length:** One Semester

SCIENCE

Earth Science 6

The Earth Science curriculum builds on the natural curiosity of students. By connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe, the curriculum gives students an opportunity to relate to their everyday world. Students will explore topics such as the fundamentals of geology, oceanography, meteorology, and astronomy; Earth's minerals and rocks; Earth's interior; plate tectonics, earthquakes, volcanoes, and the movements of continents; geology and the fossil record; the oceans and the

atmosphere, the solar system, and the universe. Lesson assignments help students discover how scientists investigate the science of our planet.

Prerequisites: None **Course Length:** Year

Life Science 7

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

Prerequisites: None **Course Length:** Year

Physical Science 8

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

Prerequisites: None **Course Length:** Year

WORLD LANGUAGE

Spanish I

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

carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisites: None **Course Length:** Year

Spanish II

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

Prerequisites: Middle School Spanish I (or equivalent) **Course Length:** Year