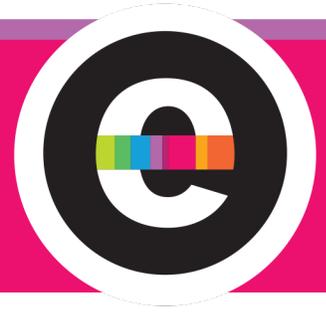


Course Catalog



National

Math

Geometry A/B

A comprehensive examination of geometric concepts, each lesson provides thorough explanations and builds on prior lessons. Step-by-step instruction and multiple opportunities for self-check practice develop skills and confidence in students as they progress through the course. The course features animations, which allow students to manipulate angles or create shapes, such as triangles, engage students in learning and enhance mastery. Labs extend comprehension by giving students hand-on experiences.

Math 6 A/B

This semester-long middle school course will provide students with a deep understanding and mastery of the objectives that will prepare them for algebra. It is aligned to Common Core State Standards, and is based on best practices in the teaching of mathematics and the disciplines of STEM learning. Students will develop 21st century skills as they master ratios and proportional relationships; the number system; and number visualization. The course is highly engaging while being easy for teachers to customize and manage.

Math 7 A/B

Math 7 builds on material learned in earlier grades, including fractions, decimals, and percentages and introduces students to concepts they will continue to use throughout their study of mathematics. Among these are surface area, volume, and probability. Real-world applications facilitate understanding, and students are provided multiple opportunities to master these skills through practice problems within lessons, homework drills, and graded assignments.

Math 8 A/B

This course is designed to enable all students at the middle school level to develop a deep understanding of math objectives and leaves students ready for algebra. The first semester covers objectives in transformations, linear equations, systems of equations, and functions. The second semester focuses on scientific notation, roots, the Pythagorean Theorem and volume, and statistics and probability. The course is based on the Common Core State Standards Initiative and on a modern understanding of student learning in mathematics.

English Language Arts

English 06 A/B

This course provides a strong foundation in grammar and the writing process. It emphasizes simple but useful composition and language mechanics strategies with multiple opportunities for modeling practical, real-world writing situations that will enable students to improve their written communication skills quickly. Through a variety of grade-appropriate reading selections, students develop a clear understanding of key literary genres and their distinguishing characteristics.

English 07 A/B

English 7 integrates the study of writing and literature through the examination of a variety of genres. Students identify the elements of composition in the reading selections to understand their function and effect on the reader. Practice is provided in narrative and expository writing. Topics include comparison and contrast, persuasion, and cause and effect essays, as well as descriptive and figurative language. Lessons are supplemented with vocabulary development, grammar, and syntax exercises, along with an introduction to verbal phrases and research tools.

English 08 A/B

Extends the skills developed in English 7 through detailed study of parts of sentences and paragraphs to understand their importance to good writing. Students also acquire study skills such as time management and improved test-taking strategies. Other topics include punctuation, word choice, syntax, varying of sentence structure, subordination and coordination, detail and elaboration, effective use of reference materials, and proofreading.

Social Studies

Civics

National Civics is a one-semester course offering seven units that cover topics including the origins of American government, the structure and function of our government, rights and responsibilities of citizens, the American federal system, political parties and the election process, basic economic principles, and current matters regarding domestic and foreign policy. The course includes a variety of unit and lesson activities that examine the history, culture, and economy of the nation that encourage research and reflection. In these activities, students will examine seminal documents and landmark Supreme Court cases in American political history, analyze changes in federal and executive power over time, explore the political election process and data related to recent voting trends, research and propose a public policy plan, as well as compare and contrast the functions of the national government with state and local governments. The course also prepares students to pass the civics portion of the USCIS Naturalization Test.

Course Catalog



Contemporary World A/B

The Contemporary World is a year-long course designed to strengthen learners' knowledge about the modern world. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this course. Learners will explore the importance of geography, the influence of culture, and the relationship humans have with the physical environment. They will also focus on the responsibility of citizens, democracy in the United States, U.S. legal systems, and the U.S. economy. Ultimately, learners will complete this course as global citizens with an understanding of how to help and better their community and the world.

Middle School U.S. History A/B

In Middle School U.S. History, learners will explore historical American events with the help of innovative videos, timelines, and interactive maps and images. The course covers colonial America through the Reconstruction period. Learners will develop historical thinking and geography skills, which they will use throughout the course to heighten their understanding of the material. Specific topics of study include the U.S. Constitution, the administrations of George Washington and John Adams, the War of 1812, and the Civil War.

Middle School World History A/B

In Middle School World History, learners will study major historical world events from early human societies through to the present day. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this year-long course. They will explore the development of early humans and early civilizations. They will be introduced to the origins of major world religions, such as Hinduism and Buddhism. Also, learners will study the medieval period. Historical thinking and geography skills will be taught and utilized throughout the course.

World Geography A/B

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A units begin with an overview of the physical world and the tools necessary to exploring it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.

Science

Earth and Space Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school Earth and space science. Content topics include Earth and space systems and interactions, the history of the Earth, the Earth's systems, weather and climate, climate change, and human impacts on the Earth.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Life Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school life science. Content topics include cells and human body systems, structure and functions of living organisms, genes and adaptations, evolution, energy flow in ecosystems, and interdependence of ecosystems.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

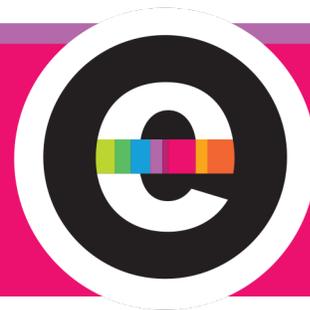
Physical Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school physical science. Content topics include structure and properties of matter, chemical reactions, forces and motion, force fields, energy, and waves.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Course Catalog



Science 6 A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a sixth-grade integrated science course ([NGSS Appendix K: Modified Conceptual Progression Model](#), p. 19), focusing on basic physical science, Earth and space science, and ecosystems. Content topics include structure and properties of matter, forces and motion, the Earth and space, the history of the Earth, the interdependence of ecosystems, and weather and climate.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Science 6 with Virtual Labs A/B

Science 6 with Virtual Labs is an integrated science course based on the [Next Generation Science Standards \(NGSS\)](#). The content covers all three dimensions incorporated by NGSS: [disciplinary core ideas](#), [science and engineering practices](#), and [crosscutting concepts](#). The course robustly meets NGSS learning standards associated with sixth-grade integrated science ([NGSS Appendix K: Revised Conceptual Progressions Model](#), p. 19). Semester A focuses on basic physical science and earth and space science. Semester B focuses on the history of the Earth, ecosystems, and weather and climate.

In this course, students complete teacher-graded labs in the Course Activities and Unit Activities. This version of Science 6 has been designed so that all labs are virtual. Students will still be able to plan and execute investigations through carefully designed simulations and videos. They will also be able to design experimental setups and analyze data and visuals derived from real-world experiments.

Science 7 A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a seventh-grade integrated science course ([NGSS Appendix K: Modified Conceptual Progression Model](#), p. 19), focusing on cells, the life cycle, nutrition, chemical reactions, force fields, and energy. Content topics include cells and human body systems, the life cycle, nutrition and energy, chemical reactions, force fields, and energy.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Science 7 with Virtual Labs A/B

Science 7 with Virtual Labs is an integrated science course based on the [Next Generation Science Standards \(NGSS\)](#). The content covers all three dimensions incorporated by NGSS: [disciplinary core ideas](#), [science and engineering practices](#), and [crosscutting concepts](#). The course robustly meets NGSS learning standards associated with seventh-grade integrated science ([NGSS Appendix K: Revised Conceptual Progressions Model](#), p. 19). Semester A focuses on cells, the life cycle, and nutrition. Semester B focuses on chemical reactions, force fields, and energy.

In this course, students complete teacher-graded labs in the Course Activities and Unit Activities. This version of Science 7 has been designed so that all labs are virtual. Students will still be able to plan and execute investigations through carefully designed simulations and videos. They will also be able to design experimental setups and analyze data and visuals derived from real-world experiments.

Science 8 A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with an eighth-grade integrated science course ([NGSS Appendix K: Modified Conceptual Progression Model](#), p. 19). Content topics include genes and adaptations, evolution, energy and the Earth, the Earth's changing climate, waves, and technology and human impacts on the Earth.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the [National Research Council \(2006, p. 3\)](#).

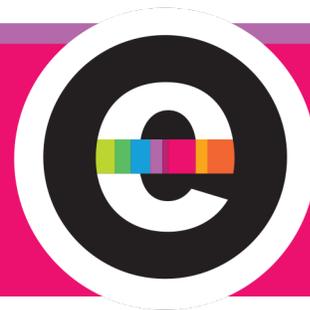
Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Science 8 with Virtual Labs A/B

Science 8 with Virtual Labs is an integrated science course based on the [Next Generation Science Standards \(NGSS\)](#). The content covers all three dimensions incorporated by NGSS: [disciplinary core ideas](#), [science and engineering practices](#), and [crosscutting concepts](#). The course robustly meets NGSS learning standards associated with eighth-grade integrated science ([NGSS Appendix K: Revised Conceptual Progressions Model](#), p. 19). Semester A focuses on genes, evolution, and the Earth's energy. Semester B focuses on Earth's changing climate, waves, and human impact on the Earth.

In this course, students complete teacher-graded labs in the Course Activities and Unit Activities. This version of Science 8 has been designed so that all labs are virtual. Students will still be able to plan and execute investigations through carefully designed simulations and videos. They will also be able to design experimental setups and analyze data and visuals derived from real-world experiments.

Course Catalog



Health & Fitness

Family & Consumer Science

Family & Consumer Science prepares students with a variety of skills for independent or family living. Topics covered include child care, home maintenance, food preparation, money management, medical management, clothing care, and more. They also focus on household, personal, and consumer health and safety. In addition, students learn goal setting and decision-making skills, as well as explore possible career options.

Family Living & Healthy Relationships

In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life-- including information on self- discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

Fitness Basics 1

This course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments, set goals, develop their own fitness program, and participate in weekly physical activity.

Fitness Basics 2

This course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments and participate in weekly physical activity.

Health Careers

In this course, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

Intro to Group Sports 1

This course provides students with an overview of group sports. Students learn about a variety of sports, and an in-depth study of soccer or basketball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about game strategy and the benefits of sports. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.

Intro to Group Sports 2

This course provides students with an overview of group sports. Students learn about a variety of sports and do an in-depth study of baseball/softball, and volleyball. Students learn the history, rules, and guidelines of each sport, as well as practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.

Intro to Individual Sports 1

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, Pilates, dance, water sports, and cross- training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

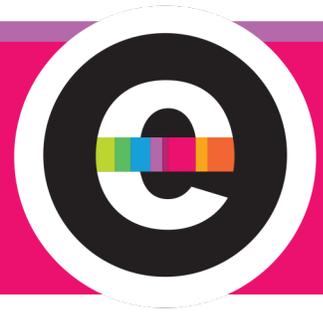
Intro to Individual Sports 2

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, Pilates, dance, water sports, and cross- training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

Middle School Health

Middle School Health aids students in creating a foundation of personal health. Beginning with properly defining health, this course then builds upon basic health practices to emphasize the importance of balance. Attention is given to each of the six dimensions of wellness; namely, physical, intellectual, emotional, spiritual, social, and environmental. Students are taught the skills necessary to improve every aspect of health. They are also encouraged to reflect upon their own personal wellness each week.

Course Catalog



Middle School Electives

Learning in a Digital World: Strategies for Success

The digital world seems to change every day, and touch more of our lives. We use technology to communicate with friends and family, find neverending entertainment options, follow our favorite sports teams and fashion trends, and do our school work. In Learning in a Digital World you will get the tools to navigate this exciting and always changing world. Learn about real-world issues and how to solve real-world problems through interactive and hands-on assignments. Discover what it means to be a responsible digital citizen, expand your digital literacy, and become a successful online student. Consider the best ways to find, create, and share information, learn to maximize information and communication technologies, and explore digital content creation, from emails and blogs to social media, videos, and podcasts.

Middle School 2D Studio Art

Close your eyes and imagine you're standing in an art studio—the smell of paint, the heat of the kiln, and the infinite creative possibilities that linger in the air. This is where art is born, and in 2D Studio Art, you'll learn how to bring your art visions to life. Whatever medium you prefer—painting, drawing, photography—this course will teach you the design elements and principles needed to create a work of art, explore your artistic inspirations, travel back in time to look at art in different cultures, and gain insight about the art of critiquing. If you've ever dreamed about making a living as an artist, this course will give you the tools and background that you need to turn those dreams into a reality!

Middle School Career Exploration 1

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.

Middle School Career Exploration 2

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 careers available, it can be difficult to narrow them down. In Middle School Career Exploration 2 we'll explore more careers and see what it takes to succeed. You'll learn more about what steps are needed 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!

Middle School Coding 1a

Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! In Middle School Coding 1a, you will get an introduction to the basics of computer science, HTML, CSS, JavaScript, and Python. You'll leave the course with a portfolio of work you can show off.

Middle School Coding 1b

Let's take the coding skills you learned in the previous course to the next level! You'll expand your knowledge with Advanced Python, HTML, and JavaScript. You'll further build out your portfolio and start thinking about a career in the fast-growing IT field.

Middle School Digital Art and Design

There are so many different types of art in this world—fine art, classical art, visual art—but the impact of digital art and design is all around us, often in ways that you probably aren't even aware of! After taking Digital Art and Design, you'll enjoy a deeper understanding and appreciation for all things digital as you explore this special genre of art found in everything from advertising to animation to photography and beyond. In this course, you'll learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society. Additionally, you will actually create your own digital art and make it come alive. Give your creative side a boost with this Digital Art and Design course!

Middle School Exploring Health Science

Where do healthcare workers spend their days? What do they really do? From cruise ships to sports arenas, you can find healthcare workers in many places that you might not expect. Explore this field, including what it would be like to work in a medical lab. Learn what it takes to keep you and your patients safe, and begin to learn about the human body and basic first-aid.

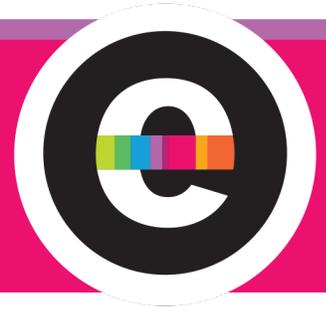
Middle School Exploring Information Technology

Are you interested in creating a website or app, or managing various technology solutions, but not sure where to start? If so, then it's time to explore the different career options available to you in IT and learn the foundations of IT to get you started. Examine various IT pathways of web and digital communications, information and support services, network systems, and programming and software development. Let's investigate which career pathway is right for you!

Middle School Exploring Music

What comes to mind when you hear the word 'music'? Do you think about your favorite band or artist? Do you think about instruments and scales and chords? The word 'music' means something different to everyone. This is why in Exploring Music there is a little bit of something for everyone! You will learn about how we hear music and how music affects our lives. You will explore important elements of music like rhythm, pitch, and harmony, as well as different musical genres. You will discover more about your singing voice and musical instruments and composition while taking in the history and culture of music over the years. Tune up your understanding and appreciation for all things music by signing up for this course!

Course Catalog



Middle School Fitness

Are you physically fit? What does being fit mean to you? Physical fitness is a lot more than just a number on a scale, and that's exactly what you'll learn in this course! Middle School Fitness helps you understand the basics of being physically fit and allows for a deeper understanding of your body's functions. You will learn about the complex science behind exercise and determine how you can test your current level of fitness. Explore what it means to be mindful and discover what inspires you. Improving your physical fitness is a smart choice to make at any age, and by signing up for this course, you will be taking the first step on your exciting journey to understanding and improving your physical fitness.

Middle School Game Design 1a

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.

Middle School Game Design 1b

It's time to take your Game Design knowledge up a level! You built your game design skills and Scratch techniques in the first part of this course. By the end, you wrote your game design document. Now you are ready to start developing that game! You'll create details and add component pieces in a game while learning to prototype, troubleshoot, and test.

Middle School Journalism: Tell Your Story

Are you someone who likes to get the story straight? Do you always want to know more? Who? What? When? Where? How? These are the details that make for a great story. Knowing how to find these key facts and then write them up in a way that makes it easy for others to read about it is the skill of a true journalist. In Middle School Journalism: Tell Your Story, you'll learn how ask the right questions, look for the details, and find the story in any situation. You'll learn how to gather information effectively, organize ideas, format stories for media production, and edit your articles. Get ready to break that news!

Middle School Photography 1a: Introduction

Photographs are all around us, and each helps to tell a story. Now it's time for you to create your story through photos you learn how to take in this course. Learn the basics of using a camera, lighting, and how to choose great subjects to create magazine-worthy photos and amaze your friends and family with your skills.

Middle School Photography 1b: Drawing with Light

Do you have vacation photos or pics of your pet that need a little editing? How about getting ready to add that new selfie you took to your social media platform? Taking photos is an art, and editing photos is a skill that many photographers seek to master. Explore how to manipulate angles and lighting, the purpose for different types of photo files, how to use different software to edit photos, and safe places you can store them. You'll be well on your way to being an editing guru when you're done with this course.

[Alignments & Features](#)

 NGSS Aligned

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