



COPPERSTONE
EDUCATION
ACCELERATE REAL WORLD SUCCESS THROUGH VIRTUAL LEARNING



2024-25




COURSE CATALOG

MIDDLE SCHOOL

Grades 6-8

CONTACT US AT

www.copperstone-ed.com 

[+91562849979](tel:+91562849979) 

Mathematics

Algebra I

In Algebra I, students explore roots, function patterns, graphs, equations, and inequalities. They will also transform and compare functions. Students will describe and translate graphic, algebraic, numeric, and verbal representations of relations and use those relationships to solve problems. Students will develop computational, procedural, and problem-solving skills throughout this course, building a solid foundation for further studies in mathematics.

Primary Grade: 9

Grade Range: 8, 9, 10

Full-Year, Semester Based: 1 credit

NCAA Eligible

Mathematics 6

Mathematics 6 introduces students to rational numbers and explores the concept of absolute value. Students work with ratios and rates to analyze relationships, and they connect these concepts to percents. Students also apply all four operations to decimal numbers, using the concepts to solve real-world application problems. In this course, students begin their study of Algebra by learning about mathematical expressions, equations, and inequalities. They analyze data and display data using statistical methods. Students also explore two- and three-dimensional shapes.

Primary Grade: 6

Grade Range: 6

Full-Year, Semester Based: 1 credit

Mathematics 7

Students in Mathematics 7 begin their journey on the pathway to developing a strong mathematics framework. They hone their arithmetic skills in this course, preparing them for more difficult and detailed calculations. In this course, students work through fractions and decimals and begin developing algebraic skills by learning to work with and solve two-step equations. Students also explore probabilities, data, and statistics.

Primary Grade: 7

Grade Range: 7

Full-Year, Semester Based: 1 credit

Mathematics 8

Mathematics 8 prepares students for more difficult mathematics courses by exposing students to foundational arithmetic concepts. Students in this course examine the elements of geometry by being introduced to angles, lines, and points. Students apply this knowledge to graphs using coordinate planes and by completing calculations between two points' distances. Students also study scientific notation, which assists them in computations and provides a framework for more difficult calculations. Students will also analyze bivariate data using scatterplots and two-way tables.

Primary Grade: 8

Grade Range: 8

Half-Year, Semester Based: 0.5 credit

Pre-Algebra

Pre-Algebra, students explore concepts such as integers, expressions, equations, and fractions. This course provides students with a solid foundation for Algebra I and emphasizes the use of technology, problem solving, critical thinking, and reasoning.

Primary Grade: 8

Grade Range: 7, 8

Full-Year, Semester Based: 1 credit

Social Studies

Ancient History

Ancient History enables students to explore the cultures of ancient civilizations throughout the world. They discover each civilization's contributions to art, music, literature, education, religion, science, technology, government, and philosophy. Students explore aspects of humanity from prehistoric to about 500 CE.

Primary Grade: 8

Grade Range: 7, 8

Full-Year, Semester Based: 1 credit

Middle School Civics and Government

Middle School Civics and Government introduces students to the basic principles of the democratic government of the United States. Students examine the structure of legislation, including the numerous branches of government and the roles that each branch plays governing the nation. Students look at local and state governments, including mandates and laws and how those laws affect citizens locally and nationally.

Primary Grade: 7

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Middle School Geography

Students learn to study the Earth's landscape in Middle School Geography. In this course, students learn that geography extends beyond physical structures by exploring geographical facets such as regions, ethnicities, and trade routes, in addition to landforms. By studying the geography, history, culture, religion, and contemporary issues facing a certain group of people or a specific area of space, students discover a significant amount of information about people in the present and in the past.

Primary Grade: 6

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Middle School U.S. History

Middle School U.S. History explores the history of the United States from before the arrival of Europeans in North America to the events of the 2016 presidential election. Students begin the course by examining North America before the arrival of European explorers and the establishment of colonies. Students learn about life in the colonies, British rule, and the events that led to the Revolutionary War. After learning about the American Revolution, students explore early U.S. government, westward expansion, the influence of the Industrial Revolution, and the Civil War. Then, they study life after the Civil War, Progressivism, Imperialism, and the onset of World War I. Next, students analyze the Roaring Twenties, the Great Depression, and World War II. Finally, students examine the Civil Rights movement, the Cold War, life in the 1960s and 1970s, and modern-day policies and events.

Primary Grade: 8

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Middle School U.S. History to 1877

Middle School U.S. History to 1877 encompasses the discovery of North America by European explorers, colonization, the Revolutionary War, and the Civil War. Students will begin the course by learning about Native American tribes that existed in North America before the arrival of European explorers and colonization. Students will then examine colonial life and the French and Indian War, as well as the events that preceded the Revolutionary War, the development of the U.S. government, and westward expansion. Finally, students will study the events and circumstances that inspired the Civil War, key aspects of the Civil War, and the Reconstruction era.

Primary Grade: 8

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Middle School World History

Middle School World History enables students to explore significant events, people, and places from prehistoric to modern times. Studying world history allows students to consider the historical relevance of people, places, and events. In this wide-ranging course, students learn how the world and its inhabitants were shaped over time through conquest, exploration, and trade. Students also gain a better understanding of the role that geography plays in world history.

Primary Grade: 7

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Art/Music

Art 6

Art 6 encourages students to collaborate to create art. Students investigate how art can be personally significant while learning to be open to new artistic ideas, materials, methods, and creative approaches. In this course, students also explore the ways in which art equipment and materials can affect the environment. They study why and how artistic design can influence people, and they design art for a diverse population. Students also determine whether works of art successfully communicate their intended message. This course introduces three-dimensional art, and students compare two-dimensional and three-dimensional pieces before creating their own 3-D artwork. They will view art from around the world and determine what the works reveal about the values and lifestyles of the people depicted in the works. Finally, students learn the importance of preserving art and the ways in which to critique art.

Primary Grade: 6

Grade Range: 6

Quarter Year Semester: .25 Credits

Art 7

In Art 7, students transition from exploratory art discovery to a more discipline-based approach. This new approach focuses on developing students' skills and techniques as well as content knowledge, while still allowing for exploration and individuality. Students have the opportunity to act as real artists through repeated sketching, concept development, and continued research and observation activities while they work with a variety of media. Art 7 includes a strong focus on independent, creative thinking and problem solving through project-based learning. This course is designed to cover a half year of instruction, but it can be completed at each student's own pace. The project-based activities have dedicated, multi-day lessons to allow students time to sufficiently and successfully develop their ideas and artwork.

Primary Grade: 7

Grade Range: 7

Half-Year, Semester Based: 0.5 credit

Art 8

In Art 8, students are introduced to design elements and principles, as well as contemporary art-making processes. In addition, students will explore the act of conceptual thinking. The Art 8 curriculum is designed to cover a half year of instruction, but it can be completed at each student's own pace.

Primary Grade: 8

Grade Range: 8

Half-Year, Semester Based: 0.5 credit

Music 6

In Music 6, students express ideas and creativity through music. Students apply music terminology to different instrument groups and learn to read music. Additionally, students discuss different forms of music and popular songs within Western and worldwide music.

Primary Grade: 6

Grade Range: 6

Quarter Year Semester: .25 Credits

Music 7

In Music 7, students explore the history, development, and attributes of American music. They will learn music theory and music reading skills, which are presented and reinforced within the context of historical musical works. Students will examine various genres of popular American music and will also perform music vocally and with a pitched instrument.

Primary Grade: 7

Grade Range: 7

Half-Year, Semester Based: 0.5 credit

Music 8

In Music 8, students are introduced to a variety of music genres and instruments. They explore the concepts of rhythm, melody, timbre, texture, dynamics, form, and rhythm, and they learn to sight read music. Students listen to various examples of songs to interpret performances, and they compose and perform their own song.

Primary Grade: 8

Grade Range: 8

Half-Year, Semester Based: 0.5 credit

English Language Arts

English Language Arts 6

English Language Arts 6 introduces and builds the fundamental skills of English language arts, including reading, writing, speaking, listening, and using language. This course helps transition students from an elementary setting to the middle school learning environment. Students explore a variety of texts from a range of time periods, literary genres, and writers. From classic authors to contemporary creative writers, students study the use of language and literary devices to improve reading comprehension and to apply to their own skill sets. In addition to reading, students strengthen their writing skills through several modes of composition, such as entertainment, persuasive, poetic, and expository texts. They learn how to construct a well-written five-paragraph essay. Notably, students learn to conduct research, cite sources in MLA formatting, and compose a formal research essay. The final topic of the course provides the opportunity for students to either read a novel or examine a variety of excerpts from novels. This topic encompasses the fundamental skill sets built throughout the year. Students complete creative projects such as creating an original piece of folklore and writing an original poem. These projects encourage students to highlight their talents and skills. This course emphasizes the importance of independent and creative thinking and integrates social-emotional learning.

Primary Grade: 6

Grade Range: 6

Full-Year, Semester Based: 1 credit

English Language Arts 7

English Language Arts 7 extends beyond the five fundamental English language arts skills of reading, writing, speaking, listening, and understanding language. This course exposes students to a variety of texts from a range of time periods, literary genres, and writers. From classic texts to contemporary creative writers and Evan-Moor pieces, students analyze fiction and nonfiction literature, examining and interpreting multiple literary devices within a single piece. In addition to reading, students strengthen their writing skills through narrative, informative, and persuasive compositions. They apply these forms of writing in essays, speeches, presentations, and other media. Students also compose an MLA-style research essay that includes headings, citations, and a Works Cited page. In addition, students produce a professional technical, or how-to, text that includes concise directions and images. The final topic of the course presents a wealth of valuable real-world skills. Notably, students practice important life skills such as letter writing, filling out forms, and interviewing, while exploring career interests. Additionally, grammar is integrated regularly throughout the course to introduce and reinforce age-appropriate grammatical concepts. These lessons parallel the main lessons, and at the end of each grammar unit, students complete a summative workshop to apply the skills taught within that unit. Lastly, students complete creative projects, such as a family tree, an original narrative short story, a reinvention of themselves as a superhero, a song, and a writing portfolio. These projects and activities showcase students' abilities based on their learning styles. Overall, this course supports critical thinking and independent learning and application, while also incorporating social-emotional learning opportunities.

Primary Grade: 7

Grade Range: 7

Full-Year, Semester Based: 1 credit

English Language Arts 8

English Language Arts 8 introduces students to literature and informational texts. Through lessons on the literary elements, the structure of texts, and the basics of grammar and composition, students apply analytical thinking skills to the works that they read. Students also delve into poetry in this course by dissecting the structure of poems, the language, and the terminology that is often affiliated with the genre. Students also apply their listening and speaking skills through presentations and projects.

Primary Grade: 8

Grade Range: 8

Full-Year, Semester Based: 1 credit

Business and Technology

Introduction to Computer Programming

The Introduction to Computer Programming course, a course for middle school students, provides a foundation for future programming courses. Students gain a broad overview of computer programming by exploring the logic, thought processes, and basic elements of writing code. As part of this exploration, students examine various programming languages, databases, and the Internet. Through this overview of computer programming, students relate the course concepts to daily life by investigating careers in technology and by learning how to responsibly navigate through our digital society.

Primary Grade: 7

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Auto-Graded

Science

Middle School Earth and Space Science

In Middle School Earth and Space Science, students study the planet Earth and the extensive solar system structure in which it resides. They evaluate Earth's climate and its weather patterns and changes, and they learn about life science and how chemistry and physics play a role in Earth's major processes. Students also investigate climate change and the ways in which global warming impacts Earth. By evaluating the numerous facets of our planet, students prepare for higher level and more subject-specific science courses.

Primary Grade: 6

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Middle School Life Science

Middle School Life Science introduces students to an integrated approach to physical and life sciences. Students study science concepts and problem solving while exploring the many aspects of the living and nonliving world around them. Students review numerous cycles of life and study their impact on animal, plant, and human life. Students also investigate important topics in histology, heredity, and the biology of living organisms.

Primary Grade: 7

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Middle School Physical Science

Middle School Physical Science introduces students to the foundational concepts of both physics and chemistry. Students begin by studying topics related to the nature of science and engineering, where they gain the skills necessary to succeed in inquiry-based and engineering labs. They move on to learn the general principles of chemistry and physics, including matter and energy, chemical reactions, motion and forces, and interaction of waves. This course allows students to explore these major concepts through unique labs based on real-world phenomena.

Primary Grade: 8

Grade Range: 6, 7, 8

Full-Year, Semester Based: 1 credit

Science 6

Science 6 takes students on a journey that incorporates life science, Earth and space science, and physical science concepts. Students begin by studying topics related to the nature of science and engineering, and they gain the skills necessary to succeed in investigations and engineering labs within the course. They learn how matter and energy interact and aid in creating the world around them. Students discover the unique properties of Earth that make it a sustainable planet for living organisms. Students will take an in-depth look at cells and their specialized structures, a variety of habitable ecosystems, and the abilities plants and animals have to adapt to various surroundings. Along with learning about the life on Earth, students will study the atmosphere and weather that has made Earth habitable for humans. They investigate ways to be more environmentally conscious by exploring how populations are affected by various environmental factors. Students work toward discovering solutions to these problems. This course includes multiple-day projects and hands-on labs, which are driven by real-world phenomena and meaningful story lines.

Primary Grade: 6

Grade Range: 6

Full-Year, Semester Based: 1 credit

Science 7

Science 7 integrates life science, Earth and space science, and physical science, while incorporating both engineering and scientific methods. In this course, students explore the ways in which humans have an impact on Earth's ecosystems and resources. They study the different forces at work on Earth and throughout the universe, learning about their importance in technologies and everyday phenomena. Students also investigate evidence of past life on Earth and how it evolved into the life that exists today. This course allows students to dig deeper into the inheritance of organisms and how these organisms adapt to their environments. Finally, students are introduced to waves, exploring how both sound and light waves are used in communication. This course includes multiple-day engineering design projects and hands-on labs, which are driven by real-world phenomena and meaningful story lines.

Primary Grade: 7

Grade Range: 7

Full-Year, Semester Based: 1 credit

Science 8

Science 8 combines the subjects of life science, Earth and space science, and physical science, while incorporating both engineering and scientific methods. Students further their knowledge of the interactions of matter, learning about the properties of the periodic table and how reactions occur. Next, students learn about reproduction in cells and inheritance. In this part of the course, students analyze the difference between types of reproduction in cells, leading them to determine how traits and genetic differences in DNA occur. Students travel back in time and determine how clues from life in the past help to explain, map, and classify existing life on Earth. Students also explore ecosystems and how precious they are to life on Earth, analyzing how even the smallest impacts can have large effects on populations. Finally, students investigate wave technologies and how those technologies are used on Earth for advancements in science and economic growth.

Primary Grade: 8

Grade Range: 8

Full-Year, Semester Based: 1 credit

Wellness and Nutrition

Middle School Health

Middle School Health introduces students to the dimensions of health and explains how students' decisions, along with various influences, affect their health and well-being. Students will learn about positive and negative peer pressure and how to apply the decision-making process to help them make safe, informed choices. They will have the opportunity to develop and apply their refusal skills when faced with questionable circumstances, such as pressure to use drugs or partake in other risky behaviors. Self-evaluation and goal-setting techniques are introduced to help a student achieve success, whether it be intellectually or physically. Students will learn about healthy eating habits, safe exercise routines, and ways to prevent disease. In addition, students will learn the signs of healthy and unhealthy relationships and how to handle conflicts by demonstrating effective communication skills. They will also study the body and how to care for each system, especially as their body matures and grows. Finally, students are introduced to basic first aid care and procedures to help keep themselves and others safe inside and outside the home.

Primary Grade: 8

Grade Range: 6, 7, 8

Half-Year, Semester Based: 0.5 credit

Middle School Nutrition and Personal Fitness

In Middle School Nutrition and Personal Fitness, students explore nutrition, dietary needs, and physical fitness. With a foundation in nutrition principles and practices, students read food labels and identify food safety concerns. With regard to physical fitness, students analyze exercise guidelines that promote healthy lifestyles.

Primary Grade: 7

Grade Range: 6, 7, 8

Half-Year, Semester Based: 0.5 credit

Physical Education 6

Physical Education 6 provides a complete physical education experience, allowing students to learn the basics of living a healthy life and the benefits of being active as often as possible. Students begin by learning about the organized, supervised physical activity required for the course. They also learn how to document their activity within a PE Log. Next, students move into the content, studying topics ranging from health, nutrition, and safety to new, fun, and challenging activities. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity students are asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine schedule. Students can be active by performing different exercises, by engaging in different activities, or by using items from their grade-appropriate physical education kit, which is available to purchase.

This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items.

Primary Grade: 6

Grade Range: 6

Half-Year, Semester Based: 0.5 credit

Physical Education 7

Physical Education 7 offers a comprehensive physical education course for students to assist them in creating a healthy lifestyle and living an active life. Students begin by learning about the required, supervised physical activity and how to document their activity in a PE Log. Students can also track their activity by using a physical fitness step tracker. Students then move through the course content, which ranges from topics about healthy living and eating to a variety of fun and challenging activities. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity students are asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine schedule. Students can be active by performing different exercises, by engaging in different activities, or by using items from their grade-appropriate physical education kit, which is available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items.

Primary Grade: 7

Grade Range: 7

Half-Year, Semester Based: 0.5 credit

Physical Education 8

Physical Education 8 offers a complete physical education experience for students, helping them learn about and implement healthy habits. Whether it is through nutrition, exercise, or general life choices, students are educated on the multiple facets of creating a healthy lifestyle. Students begin by learning about the required physical activity and how to document their activity in a PE Log. Students can also track their activity by using a fitness tracker. Next, students begin to work through the course content, which ranges from topics about the F.I.T.T. principle and other fitness components to various fun and challenging activities and exercise techniques. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity students are asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kit, which is available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items.

Primary Grade: 8

Grade Range: 8

Half-Year, Semester Based: 0.5 credit