



Middle School Course Descriptions

Language Arts

Grade 6 Language Arts

Students in this course acquire the reading, writing, language, and speaking/listening skills necessary for success in college, career, and beyond.

Grade 7 Language Arts

Students in this course develop their ability to write through reading, listening, and analyzing various fiction and nonfiction texts in this course.

Grade 8 Language Arts

Students in this course will be able to understand and express who they are and where they want to go. Students will develop a portfolio of writings.

Math

Grade 6 Math

Students demonstrate their knowledge of number manipulation by applying real world scenarios. Performing all four operations with integers, positive decimals, and positive fractions with procedural fluency. Exploring and applying concepts of ratios, rates, and percent to solve problems. Creating and interpreting expressions and equations.

Grade 7 Math

The course is designed to expand student knowledge about the transformation of shapes by sliding, flipping, rotating, and enlarging them on a coordinate plane.

Grade 8 Pre-Algebra

Students will be able to represent numbers in scientific notation, generate equivalent numerical and algebraic expressions, creating and reasoning about linear relationships, solving equations, and analyzing two dimensional figures.

Grade 8 Algebra I Honors (HS bearing)

Students learn about the properties of real numbers and apply their knowledge to equations, inequalities, and multi-step equations. They move on to identify, write, and graph functions and equations; simplify radical expressions; solve quadratic equations and factors and perform operations with binomials and polynomials. Students calculate slope and use the slope intercept form to graph linear equations.

Science

Grade 6 Science

Students explore the disciplines of life science, physical science, and earth-space science with principles of technology, engineering, and mathematics (STEM) concepts. Hands-on laboratory investigations are included throughout the courses.

Grade 7 Science

Students explore the disciplines of life science, physical science, and earth-space science with principles of technology, engineering, and mathematics (STEM) concepts. Students investigate matter and energy, geological history, energy resources. Hands-on laboratory investigations are included throughout the courses.

Grade 8 Science

Students explore properties of matter- physical and chemical change, periodic table of elements, photosynthesis and cellular respiration. Hands-on laboratory investigations are included throughout this course.

Grade 8 Physical Science Honors (HS credit bearing)

This course teaches the foundational concepts of physics and chemistry. Using scientific inquiry, interactive experiences, higher order thinking, collaborative projects, and real world application, students demonstrate an understanding of the physical and chemical properties in the world around them.

Social Studies

Grade 6 Social Studies

Students will study ancient civilizations. Throughout the centuries, and still today, our world is made up of dozens of different cultures. They all are different, and they all have made contributions to what we know and who we are.

Grade 7 Social Studies

In this course students will begin their examination of history with the fall of the Roman empire and continue to investigate cultures and events through the 19th Century. Students examine the dynamics of world history including economics, geography, politics and philosophy using the methods of historical inquiry and primary and secondary historical documents.

Grade 8 Social Studies

Students will explore the history of the United States and analyze the cause and effects of historic events. Students will recognize the themes of history that span across centuries and lead to a greater appreciation of the development of the United States and the resulting impact on world history.

Physical Education

Grade 6 Physical Education

Students learn the skills and values necessary to develop a physically active lifestyle. Students learn to improve sports skills, how different activities target different body parts, and how to set and achieve a goal.

Grade 7 Physical Education

Team sports, extreme sports, and outdoor sports are among the types of activities that students learn about. Practicing game strategy to improve the chance of winning in competition, improving sports skill and performance, making good choices, and recognizing the role of diversity, nutrition, and peer pressure provide a well-balanced experience for students.

Grade 8 Physical Education

This course helps students master the basics of physical fitness. Students begin by determining their current level of fitness, the complex science behind exercise.

Fine Arts

Grade 6 2D Art

Students who like to draw, paint or take pictures investigate the design elements and principles needed to create a work of art while they explore artistic expressions.

Grade 7 Middle School Digital Art and Design

Students identify the evolution of digital art and explore graphic design, animation, and the fundamentals of digital music while also learning how to analyze and identify the qualities of great art. Students will produce original pieces in this course. Students must have access to a smartphone or digital camera.

Grade 8 Music

Students learn to appreciate music on a deeper level. They investigate how we hear music and how it affects our lives- considering pitch, rhythm, harmony.

Electives

Middle School Career Exploration

This course allows students to explore options in fields such as teaching, business, government, hospitality, health science, IT and more. Students learn about career possibilities in this course.

Middle School Keyboarding

Fewer skills will be utilized more in a students' academic and professional lives than keyboarding. In this course, students master the proper techniques to increase speed and accuracy as they build productivity skills that will serve them well in all future careers.