

Sixth Grade

Students will be able to:

English Language Arts

- Draw conclusions and make inferences about ideas presented in various texts
- Recognize a variety of literary elements and techniques and explain how those techniques impact meaning
- Distinguish between the elements of various genres
- Compare and contrast the concepts, structures, and other aspects of various texts or media
- Recognize the organizational formats in various texts and adopt organizational formats for their own writing
- Recognize the persuasive techniques used by speakers and writers
- Listen, take notes, and prepare constructed responses on various topics
- Use an audible voice, eye contact, and visual aids during oral presentations
- Locate and use library media resources and synthesize information for various projects, including oral presentations, written projects, and multi media presentations
- Prepare compositions incorporating effective introductory and concluding techniques and content relevant to the tasks and goals of the student
- Organize writing effectively with an appropriate use of transitions that link the ideas in the composition
- Use a variety of strategies to plan, organize, draft, and revise their writing
- Maintain a writing portfolio that includes imaginative, interpretive, and responsive texts
- Set goals for writing, reflect on ways to improve the product, and revise various compositions

Science

- Use the scientific method and metric system to investigate ideas in science
- Identify chemical and physical properties of matter

- Describe the basic structure of an atom and explain that atoms are the building blocks of all matter
- Using the rock cycle diagram, students will be able to identify the three types of rocks and explain the formation of each
- Recognize that light and sound are forms of energy that travel in waves and can be absorbed, reflected, and transmitted by matter
- Explain characteristics of a day, year, and seasons on Earth using Earth's motion in space
- Predict events of attraction and repulsion between like and unlike charges or poles
- Distinguish the difference between series and parallel electrical circuits

Mathematics

- Develop an understanding of and fluency with addition, subtraction, multiplication and division of fractions
 - Convert among fractions, rational decimals, and percents
 - Evaluate expressions using order of operations
 - Connect ratios and rates to multiplication and division and use them to solve problems
 - Represent simple situations with algebraic expressions and equations
 - Solve simple linear equations
 - Use algebraic expressions and equations to solve problems
 - Know and use the relationship between the circumference and diameter of a circle
 - Find the area and perimeter of plane figures
 - Identify and plot points on the coordinate plane
 - Convert between measures of capacity
- #### Statistics and Probability
- Collect and display data
 - Calculate the mean, median, mode, and range of a set of data
 - Determine the probability of a single outcome in a compound event

Social Studies

- Analyze the interdependence of people living in the Eastern Hemisphere
- Determine relationships and understandings

about social, political, and historical aspects of life in the Eastern Hemisphere

- Identify major turning points of Eastern Hemisphere civilizations that form the foundation for the study of United States history
- Determine common characteristics of the great civilizations of the Eastern Hemisphere and identify their contributions to the modern world
- Explain how Eastern Hemisphere nations organized their economies across time and from place to place to meet needs and wants
- Identify and analyze comparisons between Eastern and Western Hemisphere nations in terms of their economies, history, geography, and governments, as well as the challenges faced in the 21st century

Physical Education

- Demonstrate appropriate development in combining and integrating fundamental skills in modified game settings and competency in a variety of physical activities and games
- Understand the relationship between physical activity and the prevention of illness and disease, and the risks of injury that are related to physical activity
- Demonstrate fairness, sportsmanship, consideration and respect for others, as well as cooperation and collaboration skills, as group goals are accomplished
- Develop leadership, problem solving, cooperation skills and teamwork abilities by participating in group activities
- Demonstrate the ability to locate physical activity information and alternatives within the community and can evaluate available facilities and programs

The Arts

- Understand music and art as it relates to history and culture
- Apply concepts and skills found in art and music
- Make creative decisions and complete projects
- Apply melodic and rhythmic skills through song, movement and playing classroom instruments