

6th Grade Language Arts

Sixth Grade students will receive instruction in reading, writing, and listening, speaking and viewing. By the end of 6th grade, students will be able to:

- Use oral and written language, media, and technology for expressive, informational, argumentative, critical, and literary purposes
- Determine specific areas of interest and engage in personal reading
- Employ reading strategies to effectively. Identify main idea, make inferences, analyze characters and plot development within a text
- Determine word meaning and literary devices such as figurative language within a text
- Determine author's point of view
- Write and defend arguments and claims
- Produce clear and coherent writing that is organized an appropriate to task
- Analyze their own writing in order to revise what they say and how they say it
- Employ distinctive voice and style in writing
- Proof their own writing and edit to conform to basic conventions of Standard English
- Convey opinions through oral communication, role-play, or performances
- Apply specific guidelines to evaluate content and strategies in listening, speaking and viewing assignments

6th Grade Mathematics

Sixth Grade students will be actively engaged in developing mathematical understandings in real and relevant contexts. By the end of 6th grade, students will be able to:

- Understand the four arithmetic operations as they relate to positive rational numbers and apply them to real world situations
- Use the Fundamental Theorem of Arithmetic
- Determine volume and surface area of solid figures
- Understand and use the concepts of ratio, proportion, and scale factor
- Understand and use line rotational symmetry
- Write and solve proportions and simple one-step equations resulting from problem situations
- Understand experimental and theoretical probability
- Problem solve, develop arguments, use language of mathematics, make connections, and communicate

6th Grade Science

Sixth Grade students will study earth science concepts through an inquiry based approach. By the end of 6th grade, students will be able to:

- Collect, use, and analyze scientific data related to the Earth's processes
- Use different models to represent systems such as the solar system and the sun/moon/earth system
- Describe scientific observations and report information in graphical form
- Engage in the scientific process by hypothesizing, observing, conducting experiments, analyzing variables, interpreting data, and drawing conclusion
- Classify living and non-living things according to physical attributes
- Classify organisms from simple to complex
- Collect, use, and analyze scientific data related to the diversity and classification of living organisms
- Describe the basic components of plant and animal cells as well as how cells reproduce
- Identify and describe the constructive and destructive forces of weathering and erosion
- Identify and explain the importance of natural resources and conservation
- Describe the connection between electricity and magnetism
- Explain the relationship between force and motion
- Describe observations and report information in graphical form about the

6th Grade Social Studies

Sixth Grade students will study the history, geography, political structures, and economics of Ancient History. By the end of 6th grade, students will be able to:

- Identify ways historians learn about ancient people
- Analyze reasons that many historians find it impossible to prove when man began life on earth
- Defend the Bible as a reliable source that records the true origin of man
- Trace the evolutionist's thinking process for the development of humans
- Describe the abilities man had from the beginning according to the Bible
- Use an outline organizer and Identify reasons that it is important to study ancient history
- Explain the impact of location, climate, physical characteristics, natural resources, and population size on these regions of the modern world
- Describe the impact of government policies and individual behavior on these regions of the Ancient world
- Describe different economic systems and economic policies as they relate to these regions of the Ancient world