

Seventh Grade Students will be able to...

English Language Arts

- Identify and analyze points of view in written text
- Identify social and cultural characteristics of the time period to enhance understanding of texts
- Use a variety of comprehension strategies to support understanding and enhance the response to reading (predicting, questioning, connecting to personal experience, summarizing, etc.)
- Distinguish between relevant and irrelevant information for various purposes, including determining essential information for note taking
- Recognize a variety of literary elements and techniques and explain how those techniques impact meaning
- Identify elements/techniques of poetry and incorporate such techniques into original poetry
- Identify propaganda and persuasive techniques in speaking and writing
- Listen, take notes, and prepare constructed responses on various topics
- Locate and use library media resources and synthesize information for various projects, including oral presentations, written projects, and multi media presentations
- Compare and contrast the concepts, structures, and other aspects of various texts or media
- Demonstrate comprehension through a wide range of activities, including writing, drama, oral presentations, and multi media performances
- Engage in cross-curricular reading and writing activities to

increase understanding of social and historical eras and enhance understanding of period texts and the human experience

- Interpret a thematic statement and connect the ideas in that statement to one or more texts
- Maintain a writing portfolio that includes imaginative, interpretive, and responsive texts

Science

- Investigate ideas in science using laboratory and scientific skills
- Identify and describe characteristics of organisms (living things)
- Identify basic cell structures and describe the function of these structures
- Compare and contrast the principles of asexual and sexual reproduction
- Explain principles of genetics and heredity

- Classify organisms using a dichotomous key or other scheme
- Identify structure and function relationships in organisms
- Describe how adaptations of organisms contribute to life and survival
- Compare and contrast photosynthesis and respiration
- Identify relationships between organisms and the environment
- Interpret and illustrate the flow of energy in an ecosystem using a food chain, food web, or energy pyramid

Mathematics

Number and Operations:

- Distinguish between rational and irrational numbers
- Add, subtract, multiply and divide integers
- Apply proportionality to solve problems including unit prices, currency exchanges, and map scales
- Determine common multiples and common factors of two numbers.
- Determine the prime factors of a number
- Use exponents and scientific notation

Algebra

- Represent situations and patterns with algebraic expressions and equations
- Solve linear equations and inequalities
- Use algebraic expressions and equations to solve problems
- Add and subtract monomials

Geometry

- Identify two-dimensional shapes that constitute three dimensional shapes
- Calculate volume and surface area of prisms and cylinders
- Identify parts of a right triangle
- Use the Pythagorean Theorem

Measurement

- Convert between measures of mass
- Statistics and Probability
- Collect and display data in graphs and tables
- Calculate the mean, median, mode, and range of a set of data
- Determine experimental probabilities from data

Social Studies

American History (Beginnings through the Civil War)

- Identify the social scientific method and techniques used by social scientists to study human cultures
- Describe the relationships between people and environments and the connections between people and places
- Identify and analyze the social and economic characteristic such as customs, traditions, gender roles, foods, and spiritual beliefs that distinguish different cultures and civilizations
- Interpret the world view held by Europeans before 1500s and analyze reasons for European exploration
- Investigate major turning points, such as the European exploration of and settlement in the Americas, by

investigating what brought change and the results of these changes

- Investigate the roles and contributions of individuals and groups as they pertain to key social, political, cultural, and religious practices throughout the colonial period
- Determine the economic, political, and social causes and the impact of the American Revolution
- Evaluate how the colonists attempted to establish new forms of self-government by comparing and contrasting the Articles of Confederation and the U.S. Constitution
- Analyze the relationship between and the relative importance of United States domestic and foreign policies over time
- Explain how an “American” consciousness developed during Jackson’s administration
- Identify the nature and effect of changes on society and individuals as the U.S. moved from an agrarian to an industrial society
- Outline and analyze the series of events and resulting conditions that led to the American Civil War

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