

Art

Fifth Grade proficiencies to be achieved:

- Use basic art media, alone, and in mixed processes
- Define and correctly use specific art terms
- Critique art work
- Use basic art tools so as not to need introductory instruction
- Create a drawing with proper balance
- Use developing abilities in abstract thinking
- Develop an appreciation of all forms of expression
- Indicate an understanding of art history and study periods and styles in art

Social Studies

Fifth Grade proficiencies to be achieved:

- Identify origins and major cultural groups of Americas first people
- Describe the results that occur when different cultures encounter one another and how they adapt to a new environment
- Identify the many reasons people chose to colonize the New World
- Describe and compare the various colonies and the adaptations the colonists made in order to live in the New World
- Explain how the European colonists were challenged by conditions in the New World and how they adapted to the land, climate and each other in this growing New World
- Explain and analyze the causes, events, campaigns, personalities and aftermath of wars
- Use longitude and latitude to locate places on a map or globe
- Identify the special lines of latitude and longitude such as the Prime Meridian, Equator, Arctic Circle, Antarctic Circle, and International Date Line
- Identify the seven continents and four oceans within the four hemispheres
- Identify map scale and use it to measure distances between given locations
- Make predictions and evaluate lifestyles through the use of special purpose maps
- Use geographic tools to interpret the past and present
- Identify time zones in the United States and calculate that time changes across the country

Science

Fifth Grade proficiencies to be achieved:

Force, Motion, and Simple Machines

- Define speed and calculate average speed; explain motion
- Describe the forces which cause motion; describe potential and kinetic energy
- Discuss the usefulness of friction; identify various techniques to reduce friction
- Define work and explain the relationship between force, distance, and work
- Interpret the relationship of mass and inertia when applied to a net force
- Determine the relationship among force, mass, and acceleration
- Analyze the action-reaction force that objects exert on one another
- Determine that simple machines make work easier

Oceans

- Determine the physical and chemical properties of ocean water
- Describe the ways in which ocean water moves
- Describe ocean floor features
- Identify and explain the tools used for oceanographic exploration
- Explain the ways that humans are both dependent upon ocean systems and are responsible for protecting them

Plants

- Determine that plants are living things whose characteristic parts have specific functions that enable plants to survive
- Identify and explain how plants make their own food, reproduce, and adapt to their environment
- Identify the diverse groups within the plant kingdom and the adaptations that enable them to survive

Communication Arts

Fifth Grade proficiencies to be achieved:

- Use a variety of strategies to decode and understand new words:
 - Phonics
 - Syllabication
 - Prefixes
 - Suffixes
 - Dictionary usage
 - Context clues
- Acquire a reading vocabulary by correctly identifying, using and understanding the meaning of key vocabulary from various subject areas
- Demonstrate fluency and comprehension in reading:
 - Use appropriate rhythm, flow, meter and pronunciation
 - Read a variety of genres and types of texts
- Use, understand, construct meaning and evaluate information from various forms of texts
- Compare the use of literary elements in various forms of text including:
 - Characters
 - Setting
 - Plot
 - Theme
 - Point of View
- Write poems, multi-paragraph pieces and reports for the purpose of entertaining, informing and/or persuading
- Write a well-organized paragraph with attention to main idea and supporting details, using the steps of the writing process: pre-write, write, revise, edit and publication
- Develop public speaking skills
- Identify differences between formal and informal speech
- Select, organize and refine a specific topic for research

Computer Education

Fifth Grade proficiencies to be achieved:

- Discuss the future in terms of computer use in society
- Indicate a knowledge of computer terms
- Explain how a computer works
- Use a word processing program
- Demonstrate how to operate peripherals
- Demonstrate how to save and load a word processing file
- Use software appropriate to the Fifth Grade curriculum
- Continue the use and development of previously developed skills

Physical Education

Fifth Grade proficiencies to be achieved:

- Demonstrate introductory skills in the following team sports: soccer, hockey, basketball, volleyball, softball and track and field
- Demonstrate introductory skills for racquet sports such as badminton, paddle, and ball
- Indicate a knowledge of folk, square, and novelty dances
- Continue self-assessment activities by performing strength, flexibility, and agility exercises
- Demonstrate an understanding of the importance of daily exercise
- Demonstrate an understanding of the importance of cooperation and fair play
- Explain what good sportsmanship means

Music

Fifth Grade proficiencies to be achieved:

- Demonstrate the ability to sing in tune with good articulation while understanding how the human voice works
- Identify a major and minor scale when heard
- Identify key signatures
- Correctly use music notation i.e. note names, proper note/rest values, staff, treble clef, bass clef, meter signatures, etc.
- Perform three-part music and countermelodies
- Identify forms of music compositions
- Recognize vocal and instrumental music scores
- Identify instrument family tone colors
- Identify vocal tone colors (soprano, alto tenor, baritone)
- Perform music in correlation with thematic units
- Demonstrate proper tempo and dynamic markings
- Participate in music of other cultures

Health

Fifth Grade proficiencies to be achieved:

- Demonstrate an understanding of the endocrine system, digestive system, and respiration
- Understand the function of nutrients and food groups
- Reveal an understanding of exercise and cardiac fitness
- Develop a knowledge of drug use and effects; prescription and over-the-counter drugs; effects of smoking and alcohol
- Identify and understand diseases and disorders
- Indicate a knowledge of bicycle safety; poisoning and preventive action
- Recognize the stages of human growth and development
- Understand the impact of the AIDS virus

Mathematics

Fifth Grade proficiencies to be achieved:

- Read, write, and compare whole numbers to the hundred billions place, and decimals to the tenth, hundredth, and thousandth places
- Read, write, and compare fractions (unlike denominators, improper fractions, and mixed numbers) and percents
- Convert fractions, decimals and percents
- Find equal ratios using ratio table
- Solve proportions and solve problems using data from a scale drawing
- Employ a variety of estimation techniques to check reasonableness of answers when computing and problem solving
- Add, subtract, and multiply whole numbers, decimals, and fractions
- Divide whole numbers with zeros in the quotient and money notation in the dividend by two digit numbers
- Estimate and measure length and weight with metric units and change units of length and weight to smaller or larger units
- Read temperature in degrees Fahrenheit and Celsius and measure time in seconds, minutes, hours, days expressing measures in small or larger units

Mathematics (continued)

Fifth Grade proficiencies to be achieved:

- Recognize number patterns, geometric patterns, calculator patterns, commutative, associative and distributive properties, and use them to reason mathematically and solve problems
- Communicate mathematics orally and in writing
- Create problems using learned computational skills and problem solving strategies
- Formulate the concepts of algebra used to reason mathematically and solve problems: missing numbers, number sentence variables and equations, patterns, functions and relations, expressions, and formulas
- Identify solid figures - cylinder, sphere, rectangular prism, and pyramid
- Identify, draw, and analyze scalene, isosceles, and equilateral triangles
- Find outcomes of probability experiments and decide if they are equally likely or not
- Carry out experiments to compare experimental with mathematical probability
- Construct and analyze charts, tables, and graphs
- Collect, interpret and organize data, make inferences from data shown on graphs