

FIFTH GRADE

Art

- Use basic art media, alone, and in mixed processes
- Define and correctly use specific art terms
- Integrate other subject matter into the art curriculum
- Critique art work
- Use basic art tools so as not to need introductory instruction
- Create artwork using the Elements and Principles of art and design
- 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 of art
- Compare artists from a variety of cultures and times and realize their role and influence on others

English Language Arts

- Identify, understand, and use vocabulary accurately by using correct key vocabulary from various subject areas
- Demonstrate comprehension by recalling and sharing information derived from text.
- Demonstrate appropriate listening skills
- Distinguish relevant information, make predictions, and draw conclusions
- Give oral presentations by retelling stories and giving reports using appropriate skills
- Contribute to discussions using appropriate speaking skills
- Use conventions of language with proper grammar, punctuation, spelling, and capitalization
- Use the writing process to write multi-paragraph pieces with correct paragraph structure with a topic sentence and supporting detail sentences: narrative, informational, and persuasive pieces
- Respond to writing prompts by staying on topic and answering thoroughly

Computer Education

- Discuss the future in terms of computer use in society
- Indicate a knowledge of computer terms
- Create/import/manipulate graphics
- Apply design principles to layout and font
- Use proper citation methods for sources and pictures
- Understand/adhere to copyright laws
- Work cooperatively and collaboratively with others when using technology
- Recognize the elements of a spreadsheet
- Create a data table
- Create an appropriate graph using information from a data table
- Use computers within the Fifth-Grade curriculum
- Continue the use and development of previously developed skills
- Understand and apply Internet Safety

Health

- Demonstrate an understanding of the endocrine system, digestive system, and respiration
- Understand the function of nutrients and food groups, and healthy diets
- 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
- Indicate a knowledge of body systems

Library Services

- Consistently demonstrate appropriate library citizenship and etiquette while being considerate of other patrons and the library itself.
- Demonstrate independent library usage by locating materials in easy fiction, easy nonfiction, fiction, nonfiction, biography, and reference sections of the library. Use signage and call number structure to locate materials. Identify which section of the library a book is housed based on its call number structure.
- Demonstrate the proper care of library materials.
- Demonstrate the procedure for borrowing and returning library materials.
- Demonstrate an appreciation for literature by studying genres that augment classroom resources and expand personal interests. Recognize famous authors and the purpose of the Newberry Award, while being exposed to themes of award winning literature.
- Differentiate between fiction, nonfiction, biography, and periodical text and the different way these texts are organized in the library. Compare elements of organization in nonfiction and fiction texts. Recognize periodicals can be used as a source of current information.
- Demonstrate safe and appropriate usage of online materials both to care for the technology itself and to safely search for information. Recognize the organization of online research materials. Demonstrate ethical ways to conduct research and not violate copyright laws.
- Demonstrate the usage of a standard research model, the Big 6, to answer specific research questions. Demonstrate the usage of Elementary Library Materials Organizer (ELMO) to answer teacher directed research questions.
- Demonstrate the usage of the Dewey Decimal System to locate resources. Identify and use the ten main groups of the Dewey Decimal System.
- Demonstrate how to use print and online reference tools such as dictionaries, thesauri, encyclopedias, almanacs, atlases and online periodical databases to access information. Demonstrate using the organizational tools of these references such as alphabetical order, guidewords, volume arrangement, indexes, keyword and subject searching.
- Demonstrate how to use the electronic card catalog by completing subject, author, title, keyword, series and power searches and locate these materials on the shelves.

Mathematics

Numbers and Operations in Base Ten

- Apply place value to show an understanding of operations and rounding as they pertain to whole numbers and decimals
- Extend an understanding of operations with whole numbers to perform operations including decimals

Algebraic Concepts

- Interpret and evaluate numerical expressions using order of operations
- Analyze patterns and relationships using two rules

Fractions

- Use the understanding of equivalency to add and subtract fractions
- Apply and extend previous understandings of multiplication and division

Data and Graphing

- Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems
- Represent and interpret data using appropriate scale
- Solve problems involving computation of fractions using information provided in a line plot

Geometry

- Classify two-dimensional figures into categories based on an understanding of their properties

Measurement

- Solve problems using conversions within a given measurement system
- Apply concepts of volume to solve problems and relate volume to multiplication and to addition

Music

- Demonstrate the ability to sing and play in tune with good articulation while understanding how the human voice works and band instruments
- Identify a major and minor scale when heard
- Identify key signatures
- Use music notation correctly; 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

Physical Education

- 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 and paddle 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 and demonstrate good sportsmanship
- Explain importance of fitness evaluations

Science

Force, Motion, and Simple Machines

- Describe the forces which cause motion; describe potential and kinetic energy
- 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
- Relate energy sources and transfers to heat and temperature

Scientific Concepts

- Explain the parts of a simple system and the relationship to each other
- Describe the use of models as an application of scientific or technological concepts
- Identify patterns as repeated processes or recurring elements in science and technology
- Apply process knowledge to make and interpret observations
- Identify and use elements of scientific inquiry to solve problems

Ecosystems, Resources, and Water on Earth

- Describe the similarities and differences that characterize diverse living things
- Know that every organism has a set of genetic instructions that determines its inherited traits
- Explain basic concepts of natural selection
- Explain the behavior and impact of the Earth's water systems
- Know that raw materials come from natural resources
- Examine the renewability of resources
- Describe the role of recycling and waste management
- Identify environmental health issues
- Explain how pest management affects the environment
- Explain the importance of maintaining the natural resources at the local, state, and national levels

Plants

- Explain the parts of a simple system and the relationship to each other
- Describe the use of models as an application of scientific or technological concepts
- Identify patterns as repeated processes or recurring elements in science and technology
- Describe the similarities and differences that characterize diverse living things
- Describe the cell as the basic structural and functional unit of living things
- 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

Social Studies

- Identify origins and major cultural groups of America's 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

Guidance

Academic Domain:

- Achieve School Success
 - Demonstrate the ability to work independently, as well as the ability to work cooperatively with other students
 - Develop a broad range of interests and abilities
 - Demonstrate dependability, productivity and initiative
 - Share knowledge
- Plan to Achieve Goals
 - Establish challenging academic goals in elementary, middle/junior high and high school
 - Use problem-solving and decision-making skills to assess progress toward educational goals
 - Understand the relationship between classroom performance and success in school

Career Domain:

- Develop Career Awareness
 - Learn how to interact and work cooperatively in teams
 - Learn about a variety of traditional and non-traditional occupations
 - Demonstrate awareness of the education and training needed to achieve career goals

Personal/Social Domain:

- Acquire Self-knowledge
 - Develop positive attitudes toward self as a unique and worthy person
 - Identify values, attitudes and beliefs
 - Understand change is a part of growth
 - Identify and express feelings
 - Distinguish between appropriate and inappropriate behavior
 - Recognize that everyone has rights and responsibilities
 - Recognize, accept, respect and appreciate individual differences
 - Recognize, accept and appreciate ethnic and cultural diversity