

THIRD GRADE

Art

Through a combination of imagination, investigation, construction, and reflection, students in the third grade build a basic foundation of the various characteristics and concepts introduced in the visual arts. Students will be able to depict their experiences through work in two and three dimensional art forms using basic art tools while gaining knowledge of media and compositional elements.

By the end of third grade, students will be able to:

1. Know and use the basic elements and principles of the visual arts
2. Know and use the appropriate elements and principles to produce a work of art
3. Know, use, and recognize the fundamental vocabulary within each of the art forms
4. Know and use traditional and contemporary technologies for furthering knowledge and understanding of the visual arts
5. Incorporate ideas from media for specified time periods and cultures
6. Identify and know the historical and cultural context and perspective of a work of art
7. Compare and contrast historical, traditional, and cultural differences as they relate to works of art
8. Relate works in the arts to varying styles and genre and to the periods in which they were created
9. Recognize and identify types of critical analysis in the arts
10. Be able to form an opinion about works of art and know how to communicate that opinion to others

English Language Arts

- Demonstrate understanding of main idea and key details in literature; such as stories, dramas, poems, fables, folktales, and myths from diverse cultures
- Demonstrate understanding of main idea and key details in informational texts, explaining how cause/effect, a series of events, concepts, or steps in a procedure are connected within a text
- Demonstrate understanding of connections within, between, and/or among literature and informational texts, with a focus on textual evidence
- Write opinion pieces for different audiences on topics or texts, supporting a point of view with reasons
- Write informational/explanatory texts for different audiences to examine a topic and convey ideas and information clearly (letters, reports, descriptions, instructions)
- Write narratives for different audiences to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences
- Gain a working knowledge of concepts of print, alphabetic principle, and other basic conventions
- Demonstrate understanding of craft and structure in literature and informational texts
- Demonstrate understanding of vocabulary and figurative language in literature and informational texts
- Demonstrate grade-appropriate command of the conventions of standard English grammar and usage, capitalization, punctuation, and spelling
- With guidance and support, use technology to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others
- Use effective speaking and listening skills during presentations and when engaging in collaborative discussions on grade-level topics and texts.
- Learn and practice Cursive letters (both upper and lower case A-Z)
- Gain a working knowledge of concepts of print, alphabetic principle, and other basic conventions

Computer Education

- Identify computer-related careers and uses of technology in society
- Select text/format with font options
- Edit alignment/justification, line spacing, margins
- Select/cut/copy/paste within and/or between documents
- Use proofreading tools
- Create/import/manipulate graphics
- Manage tabs
- Use the thesaurus and definitions
- Choose correct application for project
- Use various view options
- Apply design principles to layout and font
- Use proper citation methods for sources and pictures
- Understand/adhere to copyright laws
- Search for, locate, download, and save non-copyrighted images from the Internet
- Work cooperatively and collaboratively with others when using technology
- Demonstrate proper usage of equipment
- File management (open, close, save, save as)
- Troubleshoot wireless connectivity issues
- Use Power Point and other programs appropriate to the Third Grade curriculum

Health

- Indicate good decision-making skills, getting along with others, and dealing with stress
- Indicate a knowledge of the body systems, the circulatory, and respiratory system
- Indicate a knowledge of the communicable diseases and protection from disease
- Indicate a knowledge of the proper dental care, personal hygiene, and proper medical care
- Indicate a knowledge of the stages of growth and development
- Indicate a knowledge of infectious disease and non-infectious diseases
- Indicate a knowledge of heredity
- Indicate a knowledge of the circulatory and respiratory systems
- Indicate a knowledge of nutrients and the importance of nutrients in the human body as well as portion and serving sizes
- Indicate a knowledge of social media and how to stay safe while using it

Library Services

- Demonstrate appropriate library citizenship and etiquette while being considerate of other patrons and the library itself.
- Demonstrate independent library use with easy fictions, easy nonfiction, fiction, nonfiction, and references sections of the library. Use signage and call number structure to locate materials.
- Demonstrate the proper care of library materials.
- Demonstrate the procedure for borrowing and returning library materials.
- Demonstrate good listening skills developing the ability to listen, respond to, locate, and use literature and information.
- Demonstrate an appreciation for literature by studying genres that augment classroom resources and expand personal interests. Recognize famous authors, and the purposes of the Newbery 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. Learn elements of organization in nonfiction texts. Locate fiction, nonfiction, biography, and periodical materials in the library.
- 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 questions.
- Demonstrate the usage of the Dewey Decimal System to locate resources.
- Demonstrate how to use reference tools such as dictionaries and encyclopedias to access information. Demonstrate using the organizational tools of these references such as; alphabetical order, guidewords, volume arrangement, and indexes.
- Demonstrate how to use the electronic card catalog by completing subject, author, and title searches and locating materials on the shelves.

Mathematics

Numbers and Operations in Base Ten

- Order a set of whole numbers from least to greatest, or greatest to least (up through 9,999; limit sets to no more than 4 numbers)
- Add two and three digit whole numbers (limit sums from 100 through 1,000)
- Subtract two-and three-digit whole numbers from three-digit whole numbers
- Round two-and three-digit whole numbers to the nearest 10 or 100, respectively
- Interpret and/or describe products of whole numbers up to and including 10×10
- Multiply one-digit whole numbers by two-digit multiples of 10 (from 10 through 90)
- Solve mathematical and real-world problems using multiplication and division

Algebraic Concepts

- Use the commutative and associative properties of multiplication to simplify and solve multiplication problems
- Interpret and/or model division as a multiplication equation with an unknown factor
- Interpret and/or describe whole-number quotients (limit dividends through 50, and limit divisors and quotients through 10)
- Determine the unknown whole number in a multiplication or division equation relating three whole numbers (ex: Determine the unknown number that makes an equation true.)
- Solve two-step equations using order of operations
- Use operations, patterns, and estimation strategies to solve problems
- Represent and solve problems involving multiplication and division in word problems
- Solve 2-step word problems using the four operations; and represent them using equations with a symbol for the unknown quantity
- Assess the reasonableness of answers
- Identify arithmetic patterns
- Create or match a story to a given combination of symbols; (+, -, \times , \div , >, <, =)
- Identify the missing symbol that makes a number sentence true (+, -, \times , \div , >, <, =)

Geometry

- Analyze characteristics of polygons
- Explain that shapes in different categories may share attributes
- Recognize rhombi, rectangles, and squares as examples of quadrilaterals
- Partition shapes into parts with equal areas through the concept of fractions

Fractions

- Develop an understanding of fractions as numbers and writing fractions (from a whole or set that is partitioned into equal parts)
- Represent fractions on a number line
- Recognize and generate simple equivalent fractions (limit the denominators to 1, 2, 3, 4, 6 and 8; limit the numerators to whole numbers less than the denominator)
- Express whole numbers as a fraction, and/or generate fractions that are equivalent to whole numbers
- Compare two fractions with the same denominator

Measurement

- Understand concepts of area and relate area to multiplication and to addition
Recognize perimeter as an attribute of plane figures
- Solve real-world and mathematical problems involving perimeters of polygons (scales limited to 1, 2, 5, and 10)
- Tell, show, and/or write time (analog) to the nearest minute
- Calculate elapsed time to the nearest minute (total elapsed time limited to 60 minutes or less)
- Measure and estimate liquid volumes and masses of objects (including cups, pints, quarts, gallons, ounces, pounds, liters, grams, and kilograms)
- Add, subtract, multiply, and divide to solve one step word problems involving masses or liquid volumes that are given in the same units
- Use a ruler to measure lengths of objects to the nearest quarter inch or centimeter
- Compare total values of combinations of coins (penny, nickel, dime, quarter, and/or dollar bills less than \$5.00)
- Make change for an amount up to \$5.00 with no more than \$2.00 change
- Round amounts of money to the nearest dollar

Data and Graphing

- Complete a scaled pictograph and a scaled bar graph to represent a data set with several categories
- Solve one and 2-step problems using information to interpret data presented in scaled pictographs and scaled bar graphs (scales limited to 1, 2, 5, and 10)
- Translate information from one type of display to another
- Organize, display, and answer questions based on data
- Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Display the data by making a line plot.

Music

- Grow in the ability to control voice and produce proper tone qualities
- Sing melodies accurately by associating the notes on a staff
- Identify long and short sounds by sight, proper note, rest values, and basic meter signatures
- Demonstrate the difference between melody and harmony
- Sing simple harmony parts such as rounds, ostinatos, etc.
- Analyze a song in terms of patterns and sections
- Distinguish and identify various instruments and vocal tone colors
- Demonstrate an understanding of music expression with regard to dynamics and tempo
- Use a variety of music materials and repertoire to increase understanding and appreciation of music

Physical Education

- Demonstrate variations of basic locomotor and non-locomotor skills
- Perform stands, balances, and turns
- Self-test imitative movements and conditioning exercises
- Bounce a ball around several obstacles while running and walking
- Throw a ball twenty feet using three types of throws
- Catch different sized balls tossed from a distance of fifteen to twenty feet away
- Run and kick a ball twenty to thirty feet
- Perform folk dances
- Indicate an understanding of the importance of cooperation and fair play
- Explain and demonstrate good sportsmanship
- Demonstrate basic knowledge of several team sports

Science

Plants and Animals

- Define and identify the features of living things
- Define habitat and identify characteristics of a Pocono habitat
- Identify how plant and animal adaptations and behaviors help them survive in their environment
- Observe and predict growth patterns in plants
- Identify the need to protect animals to prevent endangerment and extinction
- Identify how the environment provides for the needs of people
- Identify careers related to plants and animals

Solar System

- Define “planet” and tell why life can exist on Earth
- Describe the features of the Earth
- Identify how Earth moves in space
- Compare and contrast the characteristics of Earth and the moon
- Define, identify, and compare characteristics of our solar system and its planets
- Recognize and compare characteristics of stars and constellations
- Identify careers related to space

Magnetism and Electricity

- Define magnets, magnetic poles, and magnetic fields
- Define electric charges, and demonstrate properties of static electricity
- Define electric current, and construct a complete circuit
- Identify, compare, and contrast conductors/insulators
- Describe how electricity is made
- Recognize safety rules when using electricity
- Identify careers related to electricity
- Recognize and use the elements of scientific inquiry to solve problems

Social Studies

- Identify what a community is
- Explain what it means to be a member of a community
- Recognize that all communities have rules and laws for the education, protection, and safety of their members
- Explain why people work in communities
- Compare and contrast kinds of communities - rural, suburb, city
- Explain that government exists to provide services, make laws, and solve problems

- Explain what it means to be patriotic
- Compare and contrast events from America's past to events from America's present through the study of Pilgrims and Native Americans
- Explore careers and technology related to each topic
- Incorporate the study of diverse cultures into each topic
- Include the study of geography and map skills in each topic

Guidance

Academic Domain:

- Acquire Skills for Improving Learning
 - Use communications skills to know when and how to ask for help when needed
 - Apply knowledge and learning styles to positively influence school performance
- Achieve School Success
 - Take responsibility for their actions
 - 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

Career Domain:

- Develop Career Awareness
 - Develop skills to locate, evaluate, and interpret career information
 - Learn how to interact and work cooperatively in teams
 - Recognize that individuals have unique interests
 - Identify current personal interests
 - Describe the work done by school personnel and other individuals in the community

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
 - Learn how to make and keep friends