English Language Arts

Use phonetic skills and word study skills to decode and spell words.

Use context clues, word meaning to build vocabulary.

Use context clues in order to decode words, to comprehend written material and to become independent readers.

Use cause–effect, inferences, main idea, details, sequence, and drawing conclusions in order to understanding the meaning of the story.

Generate predictable ideas in written form.

Use capitals, punctuation, correct parts of speech to construct good sentences and paragraphs in writing.

Locate information by use of alphabetical order, glossary, dictionary, and graphic aids.

Experience fantasy, realistic fiction, non-fiction, poetry, and folklore through literature.

Recognize author's style through rhyme, repetition, rhythm, and figurative language.

Brainstorm, draw pictures, write, revise, proofread, and publish to become good writers.

Write stories, poems, riddles, thank you notes, letters, and be introduced to a research project.

Brainstorm rules for listening, discussion and presentation in small or large groups to acquire knowledge.

Math

Name and write (in numerals) whole numbers to 100, identify the place values of the digits, and order the numbers.

Identify and represent common fractions (1/2, 1/3, 1/4) as parts of wholes, and parts of groups.

Know addition facts (addends to ten) and related subtraction facts with or without manipulatives, and use them to solve problems.

Demonstrate the ability to add and subtract two digit numbers accurately, without regrouping.

Identify, reproduce, describe, extend, and create simple rhythmic, shape, size, number, color, and letter repeating patterns.

Skip count by twos, fives, and tens up to at least 100.

Describe attributes and parts of two & three dimensional shapes, e.g. number of corners, vertices, edges, and faces.

Identify and draw two-dimensional shapes, including both polygonal (up to four sides) and curved figures such as circles.

Select and correctly use the appropriate measurement tools, e.g., ruler, balance scale, thermometer.

Measure and compare common objects using metric and English units of length measurement, e.g., centimeter, inch.

Organize, classify, represent, and interpret data using tallies, charts, tables, bar graphs, pictographs, and Venn diagrams; interpret the representations.

Science

Life Science

Explore living things in woodland and freshwater habitats.

Recognize that animals (including humans) and plants are living things that grow, reproduce, and need food, air and water.

Identify the ways in which an organism's habitat provides for its basic needs (plants require air, water, nutrients, and light; animals require food, water, air and shelter).

Recognize that plants and animals have life cycles, and that life cycles vary for different living things.

Describe the major stages that characterize the life cycle of the butterfly as it goes through metamorphosis.

Earth/Technology

Explore the properties of clay, silt, sand, gravel and pebbles.

Explain the ways in which soil is formed.

Recognize and discuss the different properties of soil, including color, the ability to retain water, and the ability to support the growth of plants.

Sort and categorize rocks according to size.

Describe how earth materials can be used in a variety of constructions.

Physical Science

Explore the various properties of solids and liquids.

Identify objects and materials as solids or liquids based on their properties, for example, that solids have a definite shape and that liquids take the shape of their container.

Use a screen to separate mixtures of solids according to size.

Recognize that some solids dissolve in water and that evaporation leaves the solid behind.

Social Studies

Listen to and read folk tales and true stories from America and from around the world.

Learn about major historical events, figures, and symbols related to the United States of America.

Identify and describe the locations of the United States, our national capital, the Commonwealth of Massachusetts, and the cities of Boston and Braintree.

Describe the concept of family and learn about each other's families.

Recognize and celebrate diversity and learn about famous Americans of different ethnic groups and faiths.

Music

Experience and explore the singing and speaking voice by matching pitch patterns, discovering different vocal timbres, managing appropriate dynamic control, and recognizing and using proper head voice.

Express and understand a varied repertoire of music by singing alone and with others, playing rhythm instruments, moving, and listening.

Create and compose simple musical responses by employing improvisational techniques and musical notation.

Compare and discover relationships between music, the other arts, history and culture by discussing how music connects to the home, school, community, and other places and events where music occurs.

Art

Practice safety procedures in the art room.

Identify and mix primary and secondary colors and use warm and cool colors.

Begin to relate appropriate colors to given objects in environment.

Begin using a variety of lines; straight, curved, wavy, zigzag, in the creations of artworks and use lines and shapes repeatedly to make patterns and textures.

Identify a variety of textures. Identify and reproduce 2-D geometric shapes (circle, square, triangle, rectangle, oval, free form)

Reduce objects to simple shapes for better understanding when drawing from direct observation.

Identify symmetrical arrangement of shapes.

Begin to discuss and identify 3-D geometric forms (sphere, cube, rectangular prism, cone, pyramid).

Discuss how art connects to students' daily lives, homes, communities and other subject disciplines.

Develop and use critical analysis skills on their own artwork and the artwork of others.

Health/Physical Education

Social and emotional skill building, including empathy, problem solving and emotion management.

Use a variety of manipulatives (throwing, catching), locomotor (walking, running) and non-locomotor (twisting, balancing) skills as individuals and in teams.

Perform rhythm routines, including dancing, to demonstrate fundamental movement skills.

BRAINTREE PUBLIC SCHOOLS

Braintree, Massachusetts

Curriculum Benchmarks

Grade One

Administrative Offices

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