English Language Arts

Implement strategies for comprehending and evaluating text (predicting, making connections, questioning, visualizing, making inferences, drawing conclusions, discriminating between fact and opinion, and cause and effect, summarizing).

Recognize genres including fiction and non-fiction, biographies, poetry, historical and realistic fiction, fantasy, and folklore and plays.

Recognize and use types of figurative language.

Create paragraphs with well-developed main ideas and interesting, imaginative details.

Use the writing process of prewriting, drafting, revising, proofreading and publishing, in order to write using various types of writing.

Discriminate between complete and run on sentences, subject and predicate, and identify the topic sentence in a paragraph.

Recognize parts of speech including nouns, verbs, adjectives, adverbs, and pronouns.

Use correct punctuation in writing including periods, commas, and quotation marks.

Use various study skills including taking notes, following directions, using the library, reading calendars, bar graphs, timelines, maps, globes, and schedules.

Recognize and use word and dictionary skills to enhance comprehension and enrich own writing.

Read and understand the meaning of assigned vocabulary and successfully use it in writing.

Participate in small group and large group discussions using preset discussion guidelines.

Math

Exhibit an understanding of the values of the digits in the base ten number system by reading, modeling, writing, comparing, and ordering whole numbers through 9,999.

Locate on the number line and compare fractions (between 0 and 1 with denominators 2, 3, or 4; e.g. 2/3).

Know multiplication facts through 10 x 10 and related division facts (e.g. 9 x 8 = 72 and 72 divided by 9 = 8). Use these facts to solve related problems and compute related problems (e.g., 3 x 5 is related to 30 x 50).

Add and subtract (up to four-digit numbers) and multiply (up to two-digit numbers by a one-digit number) accurately and efficiently.

Determine values of variables (through 10) in simple equations involving addition, subtraction, or multiplication (e.g., 4106 – □ = 37; □ – □ = 3 and 4 + 5 = □ + 3).

Write number sentences using +, -, x, <, =, > as well as the standard division symbol to represent mathematical relationships in everyday situations.

Compare and analyze attributes and other features (e.g., number of sides, faces, corners, right angles, diagonals, and symmetry) of two-dimensional geometric shapes.

Describe, model, draw, compare, and classify two-dimensional shapes, e.g., circles, triangles and quadrilaterals. Identify and describe simple three-dimensional shapes, e.g. cubes, spheres, and pyramids.

Demonstrate an understanding of such attributes as length, area, and weight, and select the appropriate type of unit for measuring each attribute using both U.S. customary (English) and metric measures.

Construct and draw conclusions from representations of data sets in the forms of tables, pictographs, line graphs, tallies, and bar graphs.

Science

Life Science

Explore animals in their habitats to see the relationship between animal structures and functions.

Give examples of adaptations, both structures and behaviors, that help an animal survive in its habitat.

Explain how inherited characteristics may change over time in response to changes in the environment.

Differentiate between instinctive and learned behavior.

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

Earth Science

Explore the sun, moon and stars and the place of earth in our solar system.

Recognize that the earth orbits the sun and rotates on its axis.

Make connections between the rotation of the earth and day/night and the apparent movement of the sun, moon and stars across the sky.

Describe the changes that occur in the observable shape of the moon over the course of a month.

Physical Science

Use the tools of science to measure mass, length, volume, and temperature.

Explore the properties of water, including surface tension and density.

Describe how water can be changed from one state to another by adding or taking away heat.

Describe how water on earth cycles in different forms and in different locations, including underground and in the atmosphere.

Relate the cycling of water on earth to the physical properties of water.

Social Studies

Learn about the history of Massachusetts from the time of the arrival of the Pilgrims.

Realize and appreciate the history of Braintree and about famous people and events in Massachusetts' history, including events leading to and during the American Revolution.

Identify the Declaration of Independence, Constitution of the United States, and the Bill of Rights as key American documents.

Read biographies of prominent Massachusetts people in science, technology, the arts, business, education, and politics, and learn how they contributed to Massachusetts history.

Recognize and appreciate goods and services provided by their local businesses and industries.
Realize the importance and value of historical societies and local museums.

Understand how our government provides tax-supported facilities and services, including public schools, roads and transportation, parks, police and fire departments, and libraries.

Music

Sing independently using a clear head tone. Sing in harmony maintaining own part in two and three part canon. Sing and play melodic patterns, intervals, and ostinati to accompany songs or rhythm activities.

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

Create and compose simple musical forms (AB, ABA) and responses by employing improvisational techniques and musical notation.
Perform simple songs on the soprano recorder using the notes B, A, and G.

Identify families of instruments and individual instruments visually and aurally.

Compare and discover relationships between music, the other arts, history and culture.

Health/Physical Education

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

Use a variety of manipulative (throwing, catching), locomotor (hopping, galloping) and non-locomotor (balancing, extending) skills as individuals and in teams.

Explain the benefits of physical fitness to good health and increased active lifestyle.

Art

Identify how lines and shapes combine to create the illusion of depth, (size difference and overlapping).

Use texture to achieve greater realism in their artwork by incorporating real and visual texture.

Demonstrate an understanding of foreground, middle ground, and background.

Learn and identify positive and negative shapes, learn placement and size of shapes in a composition to create real or imagined scenes and continue experimenting with overlapping shapes to create space.

Review and build upon students' knowledge of working from a variety of viewpoints (birds eye view, all sides of a free standing form).

Continue to visually simplify increasingly complicated objects into basic shapes for better understanding.

Continue to discuss the differences between 2-D and 3-D form (low relief, sculpture).

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

Revise drafts and work concepts through various stages of development.

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

BRAINTREE PUBLIC SCHOOLS

Braintree, Massachusetts

Curriculum Benchmarks

Grade Three

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