

# LANGUAGE ARTS

## Reading Process

- decodes regular and irregular words with one or more syllables in isolation or in context
- uses knowledge of root words and other word parts to decode words
- uses repair strategies for understanding text (self-correction, asking questions, summarizing, rereading, checking context clues)
- reads with expression at a conversational pace
- uses strategies to comprehend text (for example, predicting, retelling, discussing, asking questions, context clues, main idea and details, cause and effect, compare and contrast, author’s purpose, making inferences)
- compares elements between two texts
- identifies text features (captions, heading, subheadings, illustrations)
- understands meaning of grade-level vocabulary (including antonyms and synonyms, prefixes, suffixes, homophones, and words with multiple meanings)
- distinguishes meanings of words using a dictionary, thesaurus, or digital tools

## Writing Process and Applications

- uses prewriting strategies (for example, drawing pictures, recording questions for investigation)
- makes a plan for writing and organizes ideas using webs, maps, or lists
- maintains focus on a single idea using supporting details and logical sequence of events with new ideas in paragraph format
- uses phrases that represent time, order of events, and transitions in writing
- evaluates drafts for logical thinking and consistent point of view appropriate for the purpose and audience
- creates clarity and interest by incorporating descriptive words, sensory language, figurative language, and dialogue
- uses a variety of sentence structures and arranging of words to clarify meaning
- writes narrative, expository, and persuasive text
- uses knowledge of common spelling patterns and generalizations
- uses appropriate capitalization, grammar, and punctuation
- revises a piece of writing to add more details and remove repetitive text
- produces, illustrates, and shares a variety of expressive forms

## Communication

- demonstrates beginning cursive handwriting
- recalls, interprets, and summarizes information presented and seeks clarification when needed
- plans, organizes, and gives an oral presentation using the appropriate voice, eye, and body movements for audience and occasion
- uses increasingly complex language patterns and sentence structure when communicating

## Information and Media Literacy

- reads informational text and organizes information for different purposes (making a report, conducting interviews, conducting a task)
- determines information for a web search by narrowing and broadening a topic (keywords)
- uses criteria to select appropriate reference materials (maps, charts, photos) to gather information

- communicates information in an informational report that includes main idea and relative details with visual support
- records basic bibliography data
- uses appropriate and available technology/digital tools to enhance communication and achieve a purpose

## Literary Analysis

- knows the sequence of events, characters, and setting of stories and knows a variety of familiar literary genres (for example, fiction, nonfiction, chapter books, folk tales, legends)
- recognizes author’s use of descriptive and figurative language (similes, metaphors, mood, etc.)
- understands the distinguishing features of fiction and nonfiction text in a variety of genres
- responds to and makes connections between characters and events in stories to self, other text, and world
- writes a book report/review identifying character, setting, sequence of events and problem/solution
- uses specifically stated information to answer a question
- organizes information found in nonfiction text (charting, mapping, summarizing)
- self-selects fiction and nonfiction material for pleasure reading

### Ideas for Helping Your Child at Home

- ☞ Read to and with your child using a variety of texts.
- ☞ Provide writing tools: paper, crayons, pens, pencils, chalkboard/ whiteboard.
- ☞ Encourage discussions at meal times, in the car, etc.
- ☞ Involve your child in family chores.
- ☞ Encourage your child to respond to text through writing, drawing, etc. to convey the understanding of main idea.
- ☞ Take your child to the library.
- ☞ Make text available to your child by creating a home library.

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# MATHEMATICS

## Algebra

- represents, computes, estimates, and solves problems using numbers through hundred thousands
- models multiplication and division as repeated addition, multiplicative comparison, arrays, combinations, measuring, and partitioning
- uses strategies to solve multiplication and division fact problems
- recognizes and applies multiplication and division as inverse operations
- uses problem-solving strategies to determine the operation needed to solve problems
- solves routine and non-routine problems using a variety of strategies such as making a table, chart, or list, and looking for patterns
- creates a simple word problem for a given number sentence, diagram, or model
- uses sets, area, and linear models to represent fractions
- demonstrates an understanding of the relationship of the fractional part to the number of equal sized pieces in the whole
- uses models and strategies to compare and order fractions (including fractions greater than one)

- represents equivalent fractions using models and identifies representations of equivalence
- uses words, tables, graphs, and variables to create, analyze, and represent patterns and relationships

## Geometry and Measurement

- classifies, compares, analyzes, and describes two-dimensional shapes using sides and angles
- transforms, composes, and decomposes polygons to create other polygons (includes concave and convex polygons)
- examines and applies the concepts of congruency and similarity by building, drawing, and analyzing two-dimensional shapes from several orientations
- knows the effects of reflections (flips), translations (slides), and rotations (turns) on shapes
- identifies and uses appropriate tools, units, and strategies to solve problems involving the perimeter of shapes
- measures objects using fractional parts linear units such as one-half inch, one-fourth inch, and so on
- knows an appropriate unit of measurement (standard or nonstandard)to measure weight
- uses customary and metric units to compare length, weight, and capacity
- uses thermometers and temperature scales
- tells time to the nearest minute and quarter hour
- determines the amount of elapsed time

## Data Analysis

- constructs and analyzes frequency tables, bar graphs, pictographs, and line plots from data, including data collected through observations, surveys, and experiments

### Ideas for Helping Your Child at Home

- ☞ Engage your child in situations that require thinking and problem solving.
- ☞ Ask your child to share the strategies s/he used when solving problems.
- ☞ Have your child measure and weigh various objects and then order them according to these measurements.
- ☞ Play games with your child that require using critical thinking skills such as card games, checkers, Connect Four, and so on.
- ☞ Using various geometric two-dimensional shapes, have your child build other two-dimensional shapes and vice versa.
- ☞ Ask your child to do some of the hands-on activities s/he is doing in class with you.

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# SOCIAL STUDIES

## American History

- analyzes primary and secondary resources
- utilizes technology resources to gather information from primary and secondary sources

## Geography

- knows the world in spatial terms by reviewing basic map elements, labeling the continents and oceans of the world and using maps to identify different types of scale to measure distances between two places

- knows countries and commonwealths in North America and in the Caribbean
- identifies and labels states of the United States
- describes the climate, vegetation and natural resources of the United States, Canada, Mexico and the Caribbean
- explains how the environment influences settlement patterns
- compares cultural characteristics of citizens of North America

**Economics**

- lists the characteristics of money
- recognizes buyers and sellers interact to exchange goods and services
- distinguishes between currencies used in the United States, Canada, Mexico and the Caribbean

**Civics and Government**

- understands the foundations of local government, law and the American political system
- knows how citizens can participate in civic and political actions
- describes the structure and function of government at the local level

**Ideas for Helping Your Child at Home**

- ☞ Study maps and their features with your child.
- ☞ Learn and explore the United States (location, capital, landmarks, and climate).
- ☞ Talk to your child about local government and its functions.
- ☞ Discuss current events with your child.

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**SCIENCE**

**The Nature of Science**

- raises questions about the natural world, investigates them individually and in teams through free exploration and systematic investigations, and generates appropriate explanations based on those explorations
- recognizes that scientists question, discuss, and check each others’ evidence and explanations
- infers based on observation
- recognizes that scientists use models to help understand and explain how things work

**Earth and Space Science**

- identifies the Sun as a star that emits energy; some of it in the form of light
- recognizes that the Sun appears large and bright because it is the closest star to Earth
- explores the Law of Gravity by demonstrating that gravity is a force that can be overcome
- demonstrates that radiant energy from the Sun can heat objects and when the Sun is not present, heat may be lost

**Physical Science**

- measures and compares the mass and volume of solids and liquids
- compares materials and objects according to properties such as size, shape, color, texture, and hardness
- describes the changes water undergoes when it changes state through heating and cooling by using familiar scientific terms such as melting, freezing, boiling, evaporation, and condensation
- recognizes that energy has the ability to cause motion or create change

- investigates, observes, and explains that heat is produced when one object rubs against another, such as rubbing one’s hands together

**Life Science**

- describes structures in plants and their roles in food production, support, water and nutrient transport, and reproduction
- classifies animals into major groups (mammals, birds, reptiles, amphibians, fish, arthropods, vertebrates and invertebrates, those having live births and those which lay eggs) according to their physical characteristics and behaviors
- describes how animals and plants respond to changing seasons
- recognizes that plants use energy from the Sun, air, and water to make their own food

**Ideas for Helping Your Child at Home**

- ☞ Take your child to the beach. Encourage him/her to ask questions about the things seen: dunes, litter, tides, shells, seabirds and so on.
- ☞ Look for small rocks or stones. Place them in an unbreakable container with a lid. Shake vigorously. Empty the container onto a piece of paper. Do you notice any changes?
- ☞ Look for opportunities to investigate questions your child raises by manipulating materials.
- ☞ Provide your child with opportunities to measure weight, temperature, time, length and volume.

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**A Representative Sample of Expectations by Grade Level**

For a complete list of the Next Generation Sunshine State Standards, please review:

<http://www.floridastandards.org/Standards/FISearch.aspx>

Dear Parents,

The mission of Brevard Public Schools is “to serve every student with excellence as the standard.” Our elementary schools work toward this goal each school day by ensuring that every child has exciting and meaningful learning experiences. We expect all of our students to learn and to demonstrate increasingly complex skills as they progress through the grades toward the goal of responsible and productive adulthood. Toward this end, we are pleased to share with you a representative sample of our learning expectations for your child this year. These sample expectations are stated in the most recently adopted Next Generation Sunshine State Standards from the Florida Department of Education.

These Next Generation Sunshine State Standards provide focus and consistency for teachers and students, and offer you, as parents, a clear view of your school’s expectations. The role of parents in supporting children’s educational progress is ever more important in our rapidly changing world. I urge you to review these expectations and to take advantage of opportunities to provide rewarding learning experiences for your child each day.

I wish your child a successful school year!

Sincerely,

Lynn Spadaccini, Director  
 Office of Elementary Programs