

# 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 understand words in text
- demonstrates knowledge of spelling patterns
- uses repair strategies for understanding text (self-correction, asking questions, summarizing, rereading, checking context clues)
- reads grade-level text 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, paraphrasing)
- compares elements across multiple 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)
- determine meanings of words and alternate word choices 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 a graphic organizer
- 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, development of ideas, word choice, voice, 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 incorporating the use of technology

## Communication

- demonstrates legible cursive handwriting
- shows understanding of key points in oral presentations
- asks questions of speakers
- makes formal or informal oral presentations for a variety of purposes, audiences and occasions using the appropriate voice, eye contact, and body movements along with appropriate and available technologies.
- listens attentively to speaker and takes notes as needed for clarification.
- 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, performing a task)
- select a topic for a web inquiry
- uses evidence from a book/passage to answer a question
- 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
- record basic bibliography data and present quotes using ethical practice
- 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, media)
- recognizes author’s use of descriptive and figurative language (similes, metaphors, mood, etc.)
- recognizes that vocabulary and language patterns have changed in literary text from past to present
- 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
- uses evidence from a book/passage to answer a question
- writes summary identifying character, setting, sequence of events, conflict, crisis, and resolution
- 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

## Operations and Algebraic Thinking

- uses and represents numbers through million in various contexts including estimation
- represents division as the inverse of multiplication, as partitioning, and as successive subtraction using models
- demonstrates recall of multiplication and division facts with ease

- determines factors and multiples of numbers
- relates halves, fourths, tenths, and hundredths to decimals and percents
- estimates and describes reasonableness of estimates
- uses decimals through the thousandths place
- generates equivalent fractions and simplifies fractions
- compares and orders decimals and estimates fraction and decimal amounts
- relates equivalent decimals and fractions with and without models
- multiplies numbers through four digits and checks for reasonableness of results
- uses expressions, equations, and visual representations to describe mathematical relationships
- generates algebraic rules and uses all four operations to describe patterns
- recognizes and writes algebraic expressions for functions with two operations

## Geometry and Measurement

- classifies angles of two-dimensional shapes using benchmark angles
- identifies and describes the results of translations, reflections and rotations
- identifies and builds a three-dimensional object from a two-dimensional representation and vice versa
- describes and determines area as the number of same-sized units that cover a region
- uses justifies the formula for area of a rectangle
- selects and uses the appropriate units (customary and metric) to estimate and solve real-world area problems

### 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.
- ☞ Play games with your child that require using critical thinking skills such as card games, checkers, Connect Four, and so on.
- ☞ Involve your child in real-life problem situations that require the use of fractions and decimals.
- ☞ Build various three-dimensional objects using blocks and discuss what these shapes look like from various positions such as the top, bottom, or side.
- ☞ Provide opportunities for your child to measure using both the customary and metric systems.
- ☞ 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 to identify significant events or people throughout Florida History
- compares Native American tribes in pre-Columbian Florida
- knows key events of the exploration and settlement of Florida
- explains the growth of Florida throughout history

- understands how events of American History affected Florida (Civil War, Industrialization, Roaring 20's, the Great Depression, World War II, and Civil Rights Movement)

### Geography

- identifies physical features of Florida
- locates and labels cultural features on a Florida map
- explains how weather impacts Florida

### Economics

- identifies entrepreneurs who have influenced Florida and local economies
- explains Florida's role in the national and international economy and conditions that attract businesses to the state

### Civics and Government

- recognizes the foundations of Florida government, law and the American political system
- discusses public issues in Florida that impact the daily lives of its citizens
- identifies the structure and functions of state and local government

#### Ideas for Helping Your Child at Home



- ☞ Explore Florida together.
- ☞ Talk and discuss how Florida government is organized.
- ☞ Read informational text with your child.
- ☞ Discuss current events with your child.

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## SCIENCE

### The Nature of Science

- attempts reasonable answers to scientific questions and cite evidence in support
- compares the methods and results of investigations done by other classmates
- keeps records that describe observations made, carefully distinguishing actual observations from ideas and inferences about the observations
- recognizes that science involves creativity in designing experiments
- explains that models can be three dimensional, two dimensional, an explanation in your mind, or a computer model

### Earth and Space Science

- describes the changes in the observable shape of the moon over the course of about a month
- recognizes that Earth revolves around the Sun in a year and rotates on its axis in a 24-hour day
- investigates and reports the effects of space research and exploration on the economy and culture of Florida
- describes the basic differences between physical weathering (breaking down of rock by wind, water, ice, temperature change, and plants) and erosion (movement of rock by gravity, wind, water, and ice)
- identifies resources available in Florida (water, phosphate, oil, limestone, silicon, wind, and solar energy)

### Physical Science

- measures and compares objects and materials based on their physical properties including: mass, shape, volume, color, hardness, texture, odor, taste, attraction to magnets
- explores the Law of Conservation of Mass by demonstrating that the mass of a whole object is always the same as the sum of the masses of its parts
- investigates and describes that energy has the ability to cause motion or create change
- investigates and explains that sound is produced by vibrating objects and that pitch depends on how fast or slow the object vibrates

### Life Science

- recognizes that animal behaviors may be shaped by heredity and learning
- compares the seasonal changes in Florida plants and animals to those in other regions of the country
- traces the flow of energy from the Sun as it is transferred along the food chain through the producers to the consumers
- recognizes ways plants and animals, including humans, can impact the environment

#### Ideas for Helping Your Child at Home



- ☞ Use the newspaper to help your child observe temperature and humidity changes. Make a graph to plot these changes over time.
- ☞ During hurricane season, plot coordinates of hurricanes on a tracking chart.
- ☞ Help your child identify all the items in your home that use electricity and the electrical source for each. Discuss how various tasks could be performed without electric power.
- ☞ Read and discuss together news articles about NASA, launches and human exploration of space.
- ☞ Look for places in the yard that have been changed by wind and water. Compare these changes to weathering and erosion.

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#### School Board Members

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# What Your Child is Expected to Learn in



# 4th Grade

#### 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*

Lynn Spadaccini, Ed.D., Director  
Office of Elementary Programs