

Science

The Practice of Science

- Raises questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on explorations
- Compare the observations made by different groups using the same tools and seek reasons to explain the differences across groups
- Keep records, such as pictorial, written, or simple charts and graphs, or investigations conducted
- Recognize the importance of communication among scientists
- Recognize that scientists question, discuss, and check each others' evidence and explanations
- Infer based on observation
- Explain that empirical evidence is information, such as observations or measurements, that is used to help validate explanations of natural phenomena

The Role of Theories, Laws, Hypotheses, and Models

- Recognize that words in science can have different or more specific meanings than their use in everyday language; for example-energy, cell, heat/cold, and evidence
- Recognize that scientists use models to help understand and explain how things work
- Recognize that all models are approximations

Earth in Space and Time

- Explain that stars can be different; some are smaller, some are larger, and some appear brighter than others; all except the Sun are so far away that they look like points of light
- Identify the Sun as a star that emits energy; some of it in the form of light
- Recognize that the Sun appears large and bright because it is the closest star to Earth
- Explore the Law of Gravity by demonstrating that gravity is a force that can be overcome
- Investigate that the number of stars that can be seen through telescopes is dramatically greater than those seen by the unaided eye

Earth Structures

- Demonstrate that energy from the Sun can heat objects and when the Sun is not present, heat may be lost

Properties of Matter

- Measure and compare temperatures of various samples of solids and liquids
- Measure and compare the mass and volume of solids and liquids
- Compare materials and objects according to properties such as size, shape, color, texture, and hardness

Changes in Matter

- Describe 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

Forms of Energy

- Identify some basic forms of energy such as light, heat, sound, electrical, and mechanical
- Recognize that energy has the ability to cause motion or create change
- Demonstrate that light travels in a straight line until it strikes an object or travels from one medium to another and can be reflected, refracted, and absorbed

Energy Transfer and Transformations

- Investigate, observe, and explain that things that give off light often give off heat
- Investigate, observe, and explain that heat is produced when one object rubs against another, such as rubbing one's hands together

Organization and Development of Living Organisms

- Describe plants and their roles in food production, support, water and nutrient transport, and reproduction
- Investigate and describes how plants respond to stimuli (heat, light, gravity), such as the way plant stems grow toward light and their roots grow downward in response to gravity

Diversity and Evolution of Living Organisms

- Classify animals into major groups (mammals, birds, reptiles, amphibians, fish, arthropods, vertebrates and invertebrates, having live births and laying eggs) according to physical characteristics and behaviors
- Classify flowering and nonflowering plants into major groups such as those that produce seed, or those like ferns and mosses that produce spores, according to their physical characteristics

Interdependence

- Describe how animals and plants respond to changing seasons
- Recognize that plants use energy from the Sun, air and water to make their own food

Ideas for helping your child at home with Science:

1. *Plant a garden. Discuss what needs to be done to keep it healthy. Regularly observe changes taking place and animal visitors.*
2. *Identify animals in your yard or a nearby habitat. Discuss/draw them as part of a food chain. Do you see the other plants and animals in your food chain in the habitat? Why or why not?*
3. *Have a family plan for reducing, reusing, and recycling materials at home. Collect data and chart or graph your efforts.*



Social Studies

American History

- Analyze primary and secondary resources
- Utilize technology resources to gather information from primary and secondary sources
- Define terms related to the social sciences

Geography

- Use thematic maps, tables, charts, graphs, and photos to analyze geographic information
- Review basic map elements
- Label the continents and oceans on a world map
- Name and identify the purpose of maps
- Compare maps and globes to develop an understanding of the concept of distortion
- Use maps to identify different types of scale to measure distances between two places
- Label the countries and commonwealths in North America
- Identify the five regions of the United States
- Label the states in each of the five regions of the United States
- Describe the physical features of the United States, Canada, Mexico, and the Caribbean
- Identify natural and man-made landmarks in North America
- Investigate how people perceive places and regions differently
- Describe the climate and vegetation in the United States, Canada, Mexico, and the Caribbean
- Describe the natural resources in the United States, Canada, Mexico, and the Caribbean
- Explain how the environment influences settlement patterns in North America
- Identify the cultures that have settled North America
- Compare the cultural characteristics of diverse populations in one of the five regions of the U.S. with Canada, Mexico, or the Caribbean
- Identify contributions from various ethnic groups to the United States

Economics

- Give examples of how scarcity results in trade
- List the characteristics of money
- Recognize that buyers and sellers interact to exchange goods and services through the use of trade or money
- Distinguish between currencies used in the U.S., Canada, Mexico, and the Caribbean

Civics and Government

- Explain the purpose and need for government
- Describe how government gains its power from the people
- Explain how government was established through a written constitution
- Identify group and individual actions of citizens that demonstrate civility, cooperation, volunteerism, and other civic virtues
- Identify the levels of government
- Describe how government is organized at a local level
- Recognize that every state has a state constitution
- Recognize that the Constitution of the United States is the supreme law of the land



Ideas for helping your child at home with Social Studies:

1. *Use various sources to learn about life in other countries. Compare and contrast what you learn to life in the United States.*
2. *Locate places “visited” on a world map and/or globe.*
3. *Discuss ways the community reaches out in times of need. Are there ways your family has helped? Are there ways family members can/or do make responsible contributions at home, school, or in the community?*

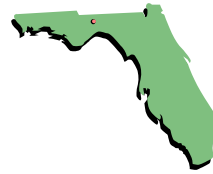


Walton

COUNTY SCHOOL DISTRICT

A Parent's Guide to Florida Standards for Grade

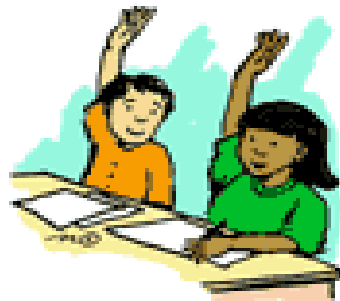
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Dear Parent or Guardian:

Walton County School District teachers have worked diligently to develop a comprehensive outline of what your child will learn at each grade level. These concepts, processes, and content are essential for students to know and be able to do as they complete each grade. The expectations have been compiled based on Florida Standards. Florida Standards are higher expectations that represent what Florida students are expected to know and be able to do.

We encourage you to be involved in your child's education. You can impact the academic success of your child by becoming familiar with the concepts and skills being taught at school and by learning how you can reinforce classroom activities at home.



HELPFUL HINTS FOR THIS BROCHURE:

- 1. Use this brochure as a guide throughout the school year. It will help you to help students achieve the Next Generation and the Common Core standards.
- 2. The subject areas are listed at the top of each panel. READING AND LANGUAGE ARTS, MATHEMATICS, SOCIAL STUDIES AND SCIENCE are included in this brochure. Information about the other subject areas can be obtained at your child's school.
- 3. At the bottom of each panel is a description of activities that you can do with your child at home.
- 4. If you have specific questions regarding curriculum or school programs, please call your child's teacher or principal.

* Only major skills are included in this brochure. Additional skills are listed at your child's school.

Reading and Language Arts

Reading Standards for Literature

- Ask and answer questions to demonstrate understanding, referring to the text as the basis for the answers
- Recount stories, including fables, folktales, and myths; determine their central message
- Describe characters in a story and how their actions contribute to the sequence of events
- Determine the meaning of words and phrases in text, distinguish between literal and nonliteral
- Use specific terms when referring to a text (chapter, scene, stanza, etc.)
- Distinguish their own point of view from that of the narrator or characters
- Explain how specific aspects of a text's illustrations contribute to what is conveyed in words
- Compare and contrast themes, setting, and plots of stories written by the same author
- Read and comprehend literature at the high end of complexity for grades 2-3

Reading Standards for Informational Text

- Ask and answer questions to demonstrate understanding, referring to the text as the basis for the answers
- Determine the main idea, recounting the key details and how they support the main idea
- Describe the relationship between a series of historical events, scientific ideas, or the steps in a procedure
- Determine the meaning of general academic or domain specific words and phrases in a text
- Use text features and search tools to locate information relevant to a given topic efficiently
- Distinguish their own point of view from that of the author of a text
- Use information gained from images and words in a text to demonstrate understanding
- Describe the logical connection between particular sentences and paragraphs in a text
- Compare and contrast the most important points and details presented in two texts on one topic
- Read and comprehend informational texts at the high end of complexity for grades 2-3

Reading Foundational Skills

- Identify and know the meaning of common prefixes and suffixes
- Decode words with common Latin suffixes
- Decode multisyllabic words
- Decode words with common affixes
- Recognize and read grade-appropriate irregularly spelled words
- Read on-level text with purpose and understanding
- Read on-level prose and poetry orally with accuracy and expression
- Use context to self-correct when reading, rereading if necessary

Writing Standards

- Write opinion pieces on topics or texts, supporting a point of view with reasons
- Write informative/explanatory texts to examine a topic and convey ideas and information
- Write narratives to develop real or imagined experiences or events using technique and details
- Produce writing in which the development and organization are appropriate to task and purpose
- Develop and strengthen writing as needed, by planning, editing, and revising
- Conduct short research projects that build knowledge about a topic
- Recall information from experiences or gather information from print or digital sources, taking notes
- Write routinely over extended time frames and shorter time frames for a range of specific tasks

Speaking and Listening Standards

- Come to discussions prepared, follow rules, ask questions, and explain ideas
- Determine the main idea and details of a text read aloud or presented visually
- Ask and answer questions about information from a speaker
- Report on a topic or text, tell a story, or recount an experience with facts and details
- Demonstrate fluid reading at an understandable pace
- Speak in complete sentences when appropriate to provide detail and clarification

Language Standards

- Explain the function of nouns, pronouns, verbs, adjectives, and adverbs
- Demonstrate beginning cursive writing skills
- Form and use regular and irregular plural nouns, regular and irregular verbs, the simple verb tenses, and comparative and superlative adjectives and adverbs.
- Use abstract nouns, and coordinating and subordinating conjunctions.
- Ensure subject-verb and pronoun-antecedent agreement
- Produce simple, compound, and complex sentences
- Capitalize appropriate words
- Use commas and quotation marks appropriately
- Form and use possessives
- Use conventional spelling, spelling patterns, and generalizations
- Consult reference materials to check spelling
- Determine or clarify the meaning of unknown and multiple-meaning words based on content
- Demonstrate understanding of word relationships in word meanings
- Acquire and use appropriate conversational, general academic, and domain-specific words and phrases



Ideas for helping your child at home with Language Arts:

- 1. Read to your child every day. Reading to your child should continue even after they are readers. Before proceeding with new chapters, ask your child what happened in the previous chapter and what he/she thinks will happen next.
- 2. Be a cheerleader for your child's reading and writing! Celebrate reading and writing in your home. Let him/her see you reading and writing.
- 3. Continue to write at home, modeling for your child. Leave him/her notes and messages. Encourage your child to write you notes, too.

Mathematics

Operations and Algebraic Thinking

- Represent and solve problems involving multiplication and division
- Understand properties of multiplication and the relationship between multiplication and division
- Multiply and divide within 100
- Solve problems involving the four operations, and identify and explain patterns in arithmetic

Number and Operations in Base Ten

- Use place value understanding and properties of operations to perform multi-digit arithmetic

Number and Operations—Fractions

- Develop understanding of fractions as numbers

Measurement and Data

- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects
- Represent and interpret data
- Geometric measurement: understand concepts of area and relate area to multiplication and to addition
- Geometric measurement: recognize perimeter as a an attribute of plane figures and distinguish between linear and area measures.

Geometry

- Reason with shapes and their attributes



Ideas for helping your child at home with Mathematics:

- 1. When preparing meals, ask your child to be responsible for timing items cooling on the stove or in the oven.
- 2. Ask your child to estimate how many glasses of soda are in a liter bottle of a soft drink. Record the actual number by using tally marks to document each glass as it is consumed. Have your child predict what would affect the outcome of the results. Example; glass size.
- 3. Ask your child to keep a time log when riding in the car. He/she might record how long it takes to travel to different destinations. Example: How long does it take to drive to the grocery store?
- 4. While shopping, give your child a predetermined amount of money to spend (\$1, \$5,...). Have him/her make decisions about what he/she can or cannot buy with this amount.

