

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 other's 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 can 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

What Your Child is Expected to Learn...



3rd Grade

A Representative Sample of Expectations by Grade Level

For a complete list of the state-adopted standards, please go to the keyword search tab at: <http://www.cpalms.org/Standards/FLStandardSearch.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 demonstrate increasingly complex skills as they progress through the grades toward the goal of becoming responsible and productive adults. Toward this end, I am pleased to share with you a representative sample of the learning expectations for your child this year. These sample learning expectations are stated within the B.E.S.T ELA/math state standards from the Florida Department of Education.

These benchmarks and standards provide focus and consistency for teachers and students and offer parents and community members a clear view of a school's expectations for student learning. The parent's role in supporting children's educational progress is increasingly 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,

Tara Harris

Tara Harris, Director
Elementary Leading and Learning

What Your Child is Expected to Learn in Third Grade 2022-2023

For a complete list of standards, go to the subject area links at:
<https://www.brevardschools.org/Page/14057>

ENGLISH LANGUAGE ARTS

Reading

- reads grade-level text fluently and accurately
- explains how one or more characters develop throughout the plot
- explains a theme and how it develops
- explains different characters' perspectives
- identifies types of poems: free verse, rhymed verse, haiku, and limerick
- explains how text features contribute to the meaning
- identify the text structures of chronology, comparison, and cause/effect
- identifies the central idea and explains how details support that idea
- explains the development of an author's purpose
- identifies an author's claim and explains how an author uses evidence to support the claim
- identifies and explains metaphors, personification, and hyperbole in texts
- makes inferences to support comprehension
- summarizes a text to enhance comprehension
- contrasts how two authors present information on the same topic or theme

Communication

- writes in cursive all upper-and lowercase letters
- engages in collaborative discussions
- uses appropriate voice and tone when speaking and writing
- cites evidence to explain and justify reasoning
- presents information orally in a logical sequence with nonverbal cues (ex. posture, tone, expression), appropriate volume, and clear pronunciation
- writes detailed narratives, opinions, and expository products
- improves writing by planning, revising, and editing
- follows the rules of standard English grammar, punctuation, capitalization, and spelling appropriate to the grade level (students are expected to use conventions from previous years):
 - conjugates regular and irregular verb tenses
 - forms and uses irregular plural nouns
 - maintains consistent verb tenses across paragraphs
 - uses simple modifiers
 - uses prepositions and prepositional phrases
 - forms and uses compound sentences
 - uses quotation marks with dialogue and direct quotations
 - uses commas to indicate direct address
- conducts research to answer a question, organizing information about the topic, using multiple valid sources

Vocabulary

- identifies and applies knowledge of common Greek and Latin roots, base words, and affixes to determine the meanings of unfamiliar words in grade-level content
- uses context clues, figurative language, word relationships, reference materials, and/or background knowledge to determine the meaning of multiple-meaning and unknown words and phrases, appropriate to 3rd grade
- uses grade-level academic vocabulary appropriately in speaking and writing

*** Ideas for Helping Your Child at Home ***

- ☺ Read to and with your child daily using a variety of texts.
- ☺ Encourage discussions at mealtimes, in the car, etc.
- ☺ Involve your child in family chores.
- ☺ Encourage your child to respond to text through writing and drawing to show understanding.
- ☺ Take your child to the library.

MATHEMATICS

Number Sense Operations

- reads and writes numbers from 0 to 10,000 using standard form, expanded form, and word form
- composes and decomposes four-digit numbers in multiple ways using thousands, hundreds, tens, and ones; demonstrates each composition or decomposition using objects, drawings, and expressions or equations
- plots, orders, and compares whole numbers up to 10,000
- rounds whole numbers from 0 to 1,000 to the nearest 10 or 100
- adds and subtracts multi-digit whole numbers using a standard algorithm with procedural fluency
- explores multiplication of two whole numbers with products from 0 to 144 and related division facts
- multiplies one-digit whole numbers by a multiple of 10, up to 90, or a multiple of 100, up to 900 with procedural reliability
- multiplies two whole numbers from 0 to 12 and divides using related facts with procedural reliability.

Fractions

- represents and interprets unit fractions in the form $\frac{1}{n}$ as the quantity formed by one part when a whole is partitioned into n equal parts
- represents and interprets fractions, including fractions greater than one, in the form of $\frac{m}{n}$ the result of adding the unit fraction $\frac{1}{n}$ to itself m times
- reads and writes fractions, including fractions greater than one, using standard form, numeral-word form, and word form
- plots, orders, and compares fractional numbers with the same numerator or the same denominator
- identifies equivalent fractions and explains why they are equivalent

Algebraic Reasoning

- applies the distributive property to multiply a one-digit number and two-digit number; applies properties of multiplication to find a product of one-digit whole numbers
- solves one- and two-step real-world problems involving any of four operations with whole numbers
- restates a division problem as a missing factor problem using the relationship between multiplication and division
- determines and explains whether an equation involving multiplication or division is true or false
- determines the unknown whole number in a multiplication or division equation, relating three whole numbers, with the unknown in any position
- determines and explains whether a whole number from 1 to 1,000 is even or odd
- determines whether a whole number from 1 to 144 is a multiple of a given onedigit number
- identifies, creates, and extends numerical patterns.

Measurement

- selects and uses appropriate tools to measure the length of an object, the volume of liquid within a beaker, and temperature
- solves real-world problems involving any of the four operations with whole number lengths, masses, weights, temperatures, or liquid volumes
- using analog and digital clocks, tells and writes time to the nearest minute using a.m. and p.m. appropriately
- solves one- and two-step real-world problems involving elapsed time.

Geometric Reasoning

- describes and draws points, lines, line segments, rays, intersecting lines, perpendicular lines, and parallel lines; identifies these in two-dimensional figures
- identifies and draws quadrilaterals based on their defining attributes.
- draws line(s) of symmetry in a two-dimensional figure and identifies line-symmetric two-

dimensional figures.

- explores area as an attribute of a two-dimensional figure by covering the figure with unit squares without gaps or overlaps; finds areas of rectangles by counting unit squares
- finds the area of a rectangle with whole-number side lengths using a visual model and a multiplication formula
- solves mathematical or real-world problems involving the perimeter and area of rectangles with whole-number side lengths using a visual model and a formula
- solves mathematical or real-world problems involving the perimeter and area of composite figures composed of non-overlapping rectangles with whole-number side lengths

Data Analysis and Probability

- collects and represents numerical and categorical data with whole number values using tables, scaled pictographs, scaled bar graphs, or line plots; uses appropriate titles, labels, and units
- interprets data with whole number values represented with tables, scaled pictographs, circle graphs, scaled bar graphs, or line plots by solving one- and two-step 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
- ☺ Have your child measure and weigh various objects and then order them according to these measurements
- ☺ 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

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 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