



Fourth-Grade Learning Outcomes - First Grading Period

This document highlights the focus standards for each grading period. Teachers may choose to review previously taught standards as well.

Reading

Expand vocabulary when reading.

- Use context to clarify meanings of unfamiliar words.
- Use knowledge of roots, affixes, synonyms, antonyms, and homophones to determine the meaning of new words.
- Use vocabulary from other content areas.
- Develop and use general and specialized vocabulary through speaking, listening, reading, and writing.

Demonstrates comprehension of fictional texts, literary nonfiction texts, and poetry.

- Identify the theme(s).
- Summarize events in the plot.
- Identify the narrator of a story and the speaker of a poem.
- Identify the conflict and resolution.
- Identify sensory words.
- Identify genres.
- Use reading strategies throughout the reading process to monitor comprehension.
- Read with fluency, accuracy, and meaningful expression.

Demonstrates comprehension of nonfiction texts.

- Use reading strategies throughout the reading process to monitor comprehension.
- Read with fluency, accuracy, and meaningful expression.
- Identify the main idea.
- Summarize supporting details.
- Draw conclusions and make inferences using textual information as support.

Research

Demonstrate comprehension of information resources to create a research product.

- Construct questions about a topic.
- Collect and organize information from multiple resources.
- Evaluate the relevance and reliability of information.
- Give credit to sources used in research.
- Avoid plagiarism and use own words.
- Demonstrate ethical use of the Internet.

Writing

Writes in a variety of forms to include narrative, descriptive, opinion, and expository.

- Engage in writing as a process.

- Select audience and purpose.
- Narrow the topic.
- Use a variety of prewriting strategies.
- Recognize different forms of writing have different patterns of organization.
- Elaborate writing by including details to support the purpose.
- Use transition words and prepositional phrases for sentence variety.
- Utilize elements of style, including word choice and sentence variation.
- Revise writing for clarity of content using specific vocabulary and information.

Self- and peer-edit writing for capitalization, spelling, punctuation, sentence structure, paragraphing, and Standard English.

- Correctly use adjectives and adverbs.
- Use quotation marks with dialogue.
- Use correct spelling including common homophones.

Demonstrates growth in word study knowledge and applies it to writing

- Differentiated word study groups

Mathematics

Number and Number Sense

- Read, write, and identify the place and value of each digit, in a nine-digit whole number
- Compare whole numbers expressed through millions using words, greater than, less than, equal to or not equal to using the symbols ($>$, $<$, $=$, or \neq)
- Round whole numbers expressed through millions to the nearest thousand, ten thousand, and hundred thousand
- Round interior numbers (2,356,737 rounded to the nearest ten thousand is 2,360,000 and rounded to the nearest hundred thousand is 2,400,000) expressed through millions to the nearest thousand, ten thousand, and hundred thousand
- Order up to 4 numbers expressed through millions
- Identify a range of numbers that round to the nearest thousand, ten thousand, and hundred thousand
- Compare fractions and mixed numbers, with and without models
- Represent equivalent fractions
- Identify the division statement that represents a fraction, with models and in context

Computation and Estimation

- Demonstrate fluency with multiplication facts through 12×12 , and the corresponding division facts

Probability and Statistics

- Collect, organize, and represent data in bar graphs and line graphs
- Interpret data represented in bar graphs and line graphs

- Compare two different representations of the same data

Patterns, Functions and Algebra

- Identify, describe, create, and extend patterns found in objects, pictures, numbers, and tables

Science

Scientific investigation/reasoning/logic

- Differentiate between observations, conclusions, inferences and predictions
- Analyze and sort objects/events into categories and construct graphs based on characteristics/properties
- Select appropriate instruments used to measure elapsed time, length, mass, volume and temperature
- Make predictions/inferences, and draw conclusions based on data from a variety of sources
- Identify the independent, dependent and constant variables in a simple experiment
- Create hypotheses, stated in terms of a cause and effect relationship (If...Then...)
- Collect, record, graph/chart and analyze data
- Identify unexpected/unusual data
- Present results of an experiment using graphs, pictures, statements and numbers
- Construct a model to clarify an explanation, demonstrate a relationship or solve a need

Earth Space Systems and Cycles

- Compare and contrast natural and human-made resources
- Distinguish among rivers, lakes and bays; describe characteristics of each; and name an example of each in Virginia
- Create and interpret a model of a watershed. Evaluate the statement: "We all live downstream" and identify watershed addresses
- Recognize the importance of Virginia's mineral resources and forests
- Describe a variety of soil and land uses important in Virginia
- Design an investigation in which a thermometer is used to compare air temperatures over a period of time
- Using a barometer, predict and analyze changes in air pressure occurring over time
- Differentiate and label high and low pressures on a map
- Illustrate and label warm and cold fronts on a map
- Differentiate between cloud types
- Compare and contrast the formation of different types of precipitation
- Recognize a variety of storm types and describe the weather conditions associated with each
- Analyze and report information about temperature and precipitation on weather maps
- Measure wind speed, using an anemometer
- Measure precipitation with a rain gauge
- Design an investigation in which weather data are gathered using meteorological tools and charted to make weather predictions

Social Studies

Geography

- Demonstrate an understanding of the relationship between physical geography and native peoples, past and present, of Virginia by
 - locating Virginia and its bordering states on maps of the United States
 - locating and describing Virginia's Coastal Plain (Tidewater), Piedmont, Blue Ridge Mountains, Valley and Ridge, and Appalachian Plateau
 - locating and identifying water features important to the early history of Virginia (Atlantic Ocean, Chesapeake Bay, James River, York River, Potomac River, Rappahannock River, Lake Drummond and the Dismal Swamp)
 - locating three American Indian language groups (the Algonquian, the Siouan and the Iroquoian) on a map of Virginia
 - describing how American Indians related to the climate and their environment to secure food, clothing and shelter
 - describing how archaeologists have recovered new material evidence at sites including Werowocomoco and Jamestown
 - *identifying and locating the current state-recognized tribes*
 - Describing the lives of American Indians in Virginia today
 - Identifying and locating the current state-recognized tribes.

History

- Demonstrate an understanding of the first permanent English settlement in America by
 - explaining the reasons for English colonization
 - describing the economic and geographic influences on the decision to settle at Jamestown
 - describing the importance of the charters of the Virginia Company of London in establishing the Jamestown settlement

