



Fourth-Grade Learning Outcomes - Third Grading Period

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

Reading

Expands 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 word-reference materials.
- 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.

- Describe how the choice of language, setting, and characters contributes to the development of plot.
- Identify the theme(s).
- Summarize events in the plot.
- Identify genres.
- Identify the narrator of a story and the speaker of a poem.
- Identify the conflict and the resolution.
- Identify sensory words.
- Draw conclusions/make inferences about text using the text as support.
- Compare/contrast details in literary and informational nonfiction texts.
- Identify cause and effect relationships.
- Use reading strategies throughout the reading process to monitor comprehension.
- Read with fluency, accuracy, and meaningful expression.

Demonstrates comprehension of nonfiction texts.

- Use text features such as type, headings, and graphics to predict and categorize information.
- Explain the author's purpose.
- Identify the main idea.
- Summarize supporting details.
- Draw conclusions and make inferences using textual information as support.
- Distinguish between cause and effect.
- Distinguish between fact and opinion.
- Use reading strategies throughout the reading process to monitor comprehension.
- Read with fluency, accuracy, and meaningful expression.

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.
- Organize writing to convey a central idea.
- Write a clear topic sentence focusing on the main idea.
- Write related paragraphs on the same topic.
- Elaborate writing by including details to support the purpose.
- Express an opinion about a topic and provide fact-based reasons for support.
- 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.

- Use subject-verb agreement.
- Eliminate double negatives.
- Use noun-pronoun agreement.
- Use commas in series, dates, and addresses.
- Correctly use adjectives and adverbs.
- Use quotation marks with dialogue.
- Use correct spelling including common homophones.
- Use singular possessives.

Demonstrates growth in word study knowledge and applies it to writing

- Differentiated word study groups

Mathematics

Computation and Estimation

- Demonstrate fluency with multiplication facts through 12x12 and the corresponding division facts (ongoing)
- Determine common multiples and factors, including least common multiple and greatest common factor
- Add and subtract fractions and mixed numbers having like and unlike denominators and simplify the resulting fraction
- Solve single-step practical problems involving addition and subtraction of fractions and mixed numbers

- Estimate products of whole numbers
- Multiply whole numbers and solve single-step and multi-step multiplication problems with whole numbers
- Create and solve single-step and multistep practical problems involving multiplication
- Estimate and determine products of whole numbers
- Create and solve single-step and multistep practical problems involving multiplication

Measurement and Geometry

- Solve practical problems that involve determining perimeter and area in U.S. Customary and metric units
- Estimate and measure length and describe the result in U.S. Customary and metric units
- Estimate and measure weight/mass and describe the result in U.S. Customary and metric units
- Given the equivalent measure of unit, identify equivalent measures of length, weight/mass, and liquid volume between units within the U.S. Customary system
- Solve practical problems that involve length, weight/mass, and liquid volume in U.S. Customary units

Patterns, Functions and Algebra

- Identify, describe, create and extend patterns found in objects, pictures, numbers and tables (review)
- Recognize and demonstrate the meaning of equality Use the \neq symbol
- Solve input/output tables with fractions and identify the pattern rule
- Solve and extend numerical patterns with fractions

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

- Differentiate between rotation and revolution
- Describe how Earth's axial tilt causes the seasons
- Model the formation of the eight moon phases, sequence the phases in order and describe how the phases occur
- Describe the major characteristics of the sun (size, color, age and overall composition)
- Create and describe a model of the Earth-moon-sun system with approximate scale distances and sizes
- Compare and contrast the surface conditions of Earth, the moon and the sun
- Compare and contrast an Earth-centered to the sun-centered model of the solar system
- Analyze the differences in what Aristotle, Ptolemy, Copernicus and Galileo observed and what influenced their conclusions
- Describe a contribution of the NASA Apollo missions to our understanding of the moon
- Name the eight planets and describe whether they are a terrestrial planet or a gas giant
- Sequence the eight planets in the solar system based on their position from the sun.
- Sequence the eight planets in the solar system based on size
- Construct a simple model of the sun and the planets in our solar system

Social Studies

Civics

- demonstrate an understanding of the role of Virginia in the American Revolution by identifying the reasons why the colonies went to war with Great Britain, as expressed in the Declaration of Independence
- Demonstrate an understanding of the role of Virginia in the establishment of the new American nation by identifying the ideas of George Mason, as expressed in the Virginia Declaration of Rights, and Thomas Jefferson, as expressed in the Virginia Statute for Religious Freedom

Geography

- Demonstrate an understanding of the role of Virginia in the American Revolution by
 - examining the reasons for the relocation of Virginia's capital from Williamsburg to Richmond
 - explaining the influence of geography and technological advances on the migration of Virginians into other states and western territories in the first half of the 1800s

History

- Demonstrate an understanding of the role of Virginia in the American Revolution by
 - identifying the various roles of American Indians, whites, enslaved African Americans, and free African Americans in the Revolutionary War era, including George Washington, Thomas Jefferson, Patrick Henry, the Marquis de Lafayette, James Lafayette, and Jack Jouett
 - identifying the importance of the Battle of Great Bridge and American victory at Yorktown
- Demonstrate an understanding of the role of Virginia in the establishment of the new American nation by explaining why George Washington is called the "Father of Our Country" and James Madison is called the "Father of the Constitution"

- Demonstrate an understanding of the issues that divided our nation and led to the Civil War by
 - identifying the events and differences between northern and southern states that divided Virginians and led to secession, war and the creation of West Virginia
 - describing Virginia's role in the war, including identifying major battles that took place in Virginia
 - describing the roles of American Indians, whites, enslaved African Americans, and free African Americans.

