



## **Fifth-Grade Learning Outcomes - Second 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 meaning of unfamiliar words and phrases.
- Develop and use general and specialized content area vocabulary through speaking, listening, reading, and writing.
- Use knowledge of roots, affixes, synonyms, and homophones to determine the meaning of new words.
- Identify an author's use of figurative language.
- Use word-reference materials.

#### **Demonstrate comprehension of fictional texts, literary nonfiction texts, and poetry.**

- Identify genres.
- Compare/contrast details in literary and informational nonfiction texts.
- Use reading strategies throughout the reading process to monitor comprehension.
- Differentiate between first and third person point of view.
- Differentiate between free verse and rhymed poetry.
- Explain how an author's choice of vocabulary contributes to the author's style.
- Draw conclusions and make inferences with support from the text.

#### **Demonstrate comprehension of nonfiction texts.**

- Skim materials to develop a general overview of content and to locate specific information.
- Compare and contrast details and ideas within and between texts.
- Use reading strategies throughout the reading process to monitor comprehension.
- Identify organizational pattern(s).
- Identify transitional words and phrases that signal author's organizational pattern.
- Locate information from the text to support opinions, inferences, and conclusions.
- Differentiate between fact and opinion.
- Compare and contrast details and ideas within and between texts.

### **Research**

#### **Find, evaluate, and select appropriate resources to create a research product.**

- Construct questions about a topic.
- Collect and organize information from multiple resources.
- Evaluate the relevance, reliability, and credibility 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, expository, and persuasive.**

- Engage in writing as a process.

- Select audience and purpose.
- Use a variety of prewriting strategies.
- Recognize different forms of writing have different patterns of organization, including story structure for narrative writing.
- Clearly state a position, including supporting reasons and evidence to persuade the intended audience.
- Write multi-paragraph compositions.
- Use precise and descriptive vocabulary to create tone and voice.
- Vary sentence structure by using transition words and prepositional phrases.
- 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 quotation marks with dialogue.
- Edit for fragments and run-on sentences.
- Use correct spelling for commonly used words.

**Demonstrates growth in word study knowledge and applies it to writing**

- Differentiated word study groups

## Mathematics

**Number and Number Sense**

- Represent and identify equivalencies among fractions and decimals, with and without models
- Use benchmarks to compare and order fractions, mixed numbers, and/or decimals in a given set, from least to greatest and greatest to least

**Computation and Estimation**

- Use strategies to find products and quotients for basic multiplication and division facts (ongoing)
- Estimate and determine the quotient of two numbers, whole numbers and/or decimals
- Create and apply strategies to solve single-step and multistep practical problems involving division of whole numbers
- Create and solve single-step practical problems involving division of decimals
- Use multiple representations to model division of decimals and whole numbers
- Divide a whole number by a single-digit or two-digit whole number divisor
- Divide a whole number or decimal by a decimal number in the tenths (0.1-0.9)
- Interpret remainders when solving a word problem that involves division
- Simplify whole number numerical expressions using the order of operations

**Measurement and Geometry**

- Introduced to determining an amount of elapsed time in hours and minutes within a 24-hour period and solving practical problems related to elapsed time (not assessed until 4th Grading Period)
- Classify and measure right, acute, obtuse or straight angles
- Classify triangles as right, acute, obtuse, equilateral, scalene or isosceles
- Investigate the sum of the interior angles in a triangle and determine an unknown angle measure
- Recognize and apply transformations, such as translation, reflection and rotation
- Investigate and describe the results of combining and subdividing polygons

### **Probability and Statistics**

- Determine the probability of an outcome by constructing a sample space or using the Fundamental (Basic) Counting Principle
- Represent data in line plots and stem-and-leaf plots
- Interpret data represented in line plots and stem-and-leaf plots
- Compare data represented in a line plot with the same data represented in a stem-and-leaf plot
- Describe mean, median and mode as measures of center
- Describe mean as fair share
- Describe the range of a set of data as a measure of spread
- Describe the mean, median, mode, and range of a set of data

## **Science**

### **Scientific investigation/reasoning/logic**

- Identify rocks, minerals, and organisms using classification keys
- Make reasonable estimations of length, mass, volume, temperature and elapsed time
- Select the proper instruments for measuring length, mass, volume, temperature and elapsed time
- Measure length, mass, volume and temperature using metric units
- Use a testable question to form a hypothesis as cause and effect (If....Then...)
- Identify and analyze Dependent, Independent and Constant variables in an experiment
- Collect, record, analyze and report data, using charts/graphs/tables
- Distinguish between inferences and conclusions
- Make predictions/inferences, and draw conclusions based on data trends
- Construct a physical model to clarify explanations, demonstrate a relationships or solve a need

### **Earth/space systems and cycles**

- Create, interpret, label and describe a model of the ocean floor and each of the major features

- Research and describe the variation in depths associated with ocean features, including the continental shelf, slope, rise, the abyssal plain and ocean trenches
- Design an investigation related to physical characteristics of the ocean environment (depth, salinity, formation of waves, causes of tides and currents, such as the Gulf Stream)
- Interpret graphical data related to physical characteristics of the ocean
- Explain the formation of ocean currents and describe and locate the Gulf Stream
- Design an investigation related to ecological relationships of the ocean environment
- Interpret graphical data related to the ecological characteristics of the ocean
- Analyze how the physical characteristics (depth, salinity and temperature) of the ocean affect where marine organism can live
- Create and interpret a model of a basic marine food web

### **Force/motion/energy/matter**

- Draw, label, describe and compare the basic structures and functions of plant and animal cells
- Group organisms into categories using their characteristics
- Design an investigation to make observations of cells
- Identify and explain traits of organisms that allow them to survive in their environment

## **Social Studies**

### **European Geography**

- Demonstrate knowledge of the geography of Europe and how its geographic features have affected the development of civilization

### **European History and Culture**

- Demonstrate the knowledge of some of the major social, economic, political, scientific, and religious changes during the Middle Ages, the Renaissance and the Enlightenment in Europe and their impact on Western civilization
- Demonstrate knowledge of the French Revolution and the Industrial Revolution and their impact on the social, political and economical systems of Europe and western civilization
- Demonstrate an understanding of the causes, the impact, and the significance of World War I, the Russian Revolution and World War II in Europe and the world

