

LANGUAGE ARTS

READING

- Apply Phonics and Word Recognition Skills
 - Know and apply grade level phonics and word analysis skills in decoding words.
 - Use knowledge of letter-sound correspondence, syllabication patterns, and morphology (e.g., roots and affixes) to accurately read unfamiliar multisyllabic words.

- Read with Fluency
 - Read on level text with appropriate accuracy and fluency to support comprehension

- Identify Key Ideas and Details
 - Quote accurately from a text when drawing inferences and explaining what the text says explicitly.
 - Determine a theme from details in the text including how characters respond to challenges or how the speaker in a poem reflects upon a topic.
 - Compare and contrast how characters interact drawing on specific details.
 - Determine two or more main ideas of a text and supporting key details; summarize the text.
 - Based on specific information in a text, explain the relationships or interactions between individuals, events, etc.

- Understand the Structure of Texts
 - Determine words/phrases used in a text including figurative language (e.g., metaphors, similes).
 - Explain how chapters, scenes or stanza fit together to provide structure of a story, drama or poem.

- Describe how the narrator's or speaker's point of view influences how events are described.
 - Determine the meaning of general academic and domain-specific words or phrases in a text.
 - Compare and contrast the overall structure of events, ideas, information in texts.
 - Analyze multiple accounts of the same event noting similarities and differences in the point of view they represent.
- Integrate Knowledge and Ideas Within and Across Texts
 - Analyze how visual and multimedia elements contribute to the meaning or tone of a text.
 - Compare and contrast stories in the same genre on their approaches to similar themes and topics.
 - Draw on information from multiple print or digital sources to locate an answer or solve a problem quickly and efficiently.
 - Explain how an author uses evidence to support particular points in a text.
 - Integrate information from several texts on the same topic and write or speak about the subject knowledgeably.
- Read and Comprehend a Range of Texts with Appropriate Grade Level Complexity
 - Independently and proficiently comprehend a variety of texts at the grade 5-6 complexity range.

GRAMMAR

- Demonstrate Command of Conventions of Standard English
 - Appropriately use conjunctions, verb tenses, and correlative conjunctions (e.g., either/or, neither /nor).
 - Demonstrate command of the conventions of standard English capitalization, punctuation and spelling when writing.
- Use Knowledge of Language

- Use knowledge of language and its conventions when writing, speaking, reading or listening.
- Understand and Use Grade Appropriate Vocabulary
 - Determine and clarify the meaning of unknown and multiple-meaning words and phrases using a variety of strategies.
 - Demonstrate understanding of figurative language, word relationships, and nuances in word meanings (e.g., similes, idioms, proverbs).
 - Use general academic and domain-specific words/phrases that signal contrast and other logical relationships (e.g., similarly, nevertheless).

WRITING

Writing includes short mini-lessons focusing on the writing process, writing conventions, and/or craft. Students then work on assigned writing pieces as the teacher confers with students either individually or in small groups. The workshop lesson closes with sharing time with other grades in a Living Wax Museum demonstration during which students celebrate and reflect on their writing and the writing process.

SPEAKING AND LISTENING

- Participate in Collaborative Conversations with Understanding
 - Come to discussions prepared and explicitly draw on information known about the topic under discussion.
 - Follow agreed upon rules and contribute to the discussion.
 - Review key ideas and draw conclusions based on information and knowledge shared.
 - Summarize a written text read aloud or information presented in diverse media and formats.
 - Summarize the points a speaker makes and explain how the reasons and evidence are supported.
- Present Knowledge and Ideas Clearly

- Report on a topic or present an opinion with logical sequence and descriptive details to support main ideas or themes; speak clearly at an understandable pace.
- Include multimedia components and visual displays when appropriate.
- Adapt speech to a variety of contexts and tasks.

MATHEMATICS

Our instructional focus in *Grade 5* is on three critical areas: (1) developing fluency with addition and subtraction of fractions, developing understanding of the multiplication of fractions, and of division of fractions with unit fractions and whole numbers (2) extending division to three-digit divisors, developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations.

MATHEMATICAL PRACTICES

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

KEY FLUENCY

- Multiply multi-digit whole numbers using the standard algorithm.

OPERATIONS AND ALGEBRAIC THINKING

- Write and interpret numerical expressions.

- Analyze patterns and relationships.

NUMBER AND OPERATIONS IN BASE TEN

- Understand the place value system.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.

NUMBER AND OPERATIONS - FRACTIONS

- Use equivalent fractions as a strategy to add and subtract fractions.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions

MEASUREMENT AND DATA

- Convert like measurement units within a given measurement system.
- Represent and interpret data.
- Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

GEOMETRY

- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Classify two-dimensional figures into categories based on their properties.

SOCIAL STUDIES

The Social Studies curriculum was developed by Scott Foresman and contained within the text *Explore the United States*. This framework provides a foundation for teaching history, science and technology, civics and government, geography, and economics as well as national symbols. A

summary of the History, Civics and Geography skills studied in Grade 5 are below:

HISTORY

Students study the 13 original colonies in an effort to answer the question: *In what ways, and for whom, was America a land of opportunity during the colonial period?* Students determine the similarities and differences among the early American colonies through the study of a variety of primary and secondary sources and electronic media. Students continue their studies of American history through the 20th century to include World I and II.

In addition, as part of the English/Language Arts and Writing units, fifth graders will participate in a study of influential Americans. Students first consider the question: *What impact did this person have on American history and everyday life?*

CIVICS

- Determine the purpose for rules and laws.
- Understand the foundations of government and the difference between state, local, and national government.
- Instruction about Religion: Discussion of how religion shaped the development of the 13 original colonies.

GEOGRAPHY

- Explore maps and their purpose.
- Identify where one lives and locate important places on current and historical maps.
- Use maps to identify important information using symbols, legends, and keys.
- Give and follow directions.
- Create a variety of maps.

SCIENCE

In fifth grade, students develop an understanding of matter and its conservation through experimentation and create models to show their knowledge. They are able to interpret data about the distribution of water on Earth as well as describe ways in which the geosphere, biosphere, hydrosphere and/or atmosphere interact. Fifth grade students also identify the movement of matter and energy transfer among plants, animals, decomposers and the environment. Finally, fifth graders are able to understand the patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.

To demonstrate their understanding of the core ideas indicated above, fifth grade students engage in the following science and engineering practices:

- Asking questions and defining problems
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematics and computational thinking
- Constructing explanations and designing solutions
- Engaging in argument from evidence
- Obtaining, evaluating and communicating information

Fifth grade students will use the scientific method to conduct a science fair experiment guided by a 12-step process. At the culmination of the project, students will present their experiments to other grade levels as well as present to a panel of judges.