

4TH GRADE

REFRIGERATOR CURRICULUM

WRITING

Narrative Writing
Informative Writing
Persuasive Writing
Poetry
Research Report
Writing Process
Writing Conventions

SOCIAL STUDIES

Geography - Regions,
Colonial America - Reasons for Conflict
American History - Starting a New Government
Economics

SCIENCE

Quarter 1: In this unit students will answer the following: How can maps help locate different land and water features, and how do they change over time? What are some changes that affect Earth's landforms? How can we use science and engineering design to protect ourselves from earthquakes?

Quarter 2: In this unit students will answer the following: What is energy? How are speed and energy related? How does energy move from place to place?

Quarter 3: In this unit students will answer the following: What are waves (energy)? What kinds of waves are there? How do we measure waves?

Quarter 4: In this unit students will answer the following: What do organisms need in their habitat to survive and how can adaptations aid in surviving in their habitat? How does an organism's structure help it survive? What are different ways animals use their senses and structures in their environment?

MATH - MAJOR WORK OF 4TH GRADE:

Unit 1: Students model multiplication situations with arrays. They will use arrays to find factors and identify prime and composite numbers. Students gain familiarity with factors and multiples by using what they know about numbers within 100.

Unit 2: Students record, organize, and represent data, including measuring and comparing the heights of first and fourth graders. They use line plots, other representations, and summary descriptions to model what their data show.

Unit 3: Students solve multiplication problems with small 2-digit numbers by breaking the numbers apart and representing their solutions with arrays.

Unit 4: Students estimate and measure length in U.S. Standard and metric units and convert measurements from larger to smaller units. They measure the perimeter of shapes and use generalizable methods to determine the perimeter of rectangles.

Unit 5: Students study place value and the operation of addition as they solve addition problems fluently. They compare different types of addition strategies, including the U.S. standard algorithm, and discuss the meaning of a generalizable algorithm.

Unit 6: Students find fractional parts of the areas of rectangles and identify equivalent fractions. Students are introduced to decimal notation and represent and identify tenths and hundredths.

Unit 7: Students estimate products and practice strategies for solving multiplication problems with 2-digit factors. This includes solving measurement conversion problems.

Unit 8: Students use tables, arithmetic, expressions, and symbolic notation to represent, describe, and compare the relationships between two quantities.

READING

UNIT 1: Informational text: author's purpose, analyze main ideas and details, analyze text structure, analyze text features, use text evidence, generate questions, confirm and correct predictions, and summarize text.

UNIT 2: Informational text, fiction, and poetry: analyze main ideas and details, analyze text structures, analyze plot and sequence, analyze descriptive language and the elements of poetry, synthesize information, confirm and correct predictions, and use text evidence.

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UNIT 3: Realistic fiction, poetry, and autobiography: analyze character, plot, and setting; explain the author's purpose, compare and contrast points of view, analyze poetic elements, generate questions, visualize to understand, make connections, and make inferences about characters.

UNIT 4: Folk tales, drama, historical fiction, and myths: analyze characters, infer theme, explain elements of a drama, analyze myths, synthesize information, summarize literary text, and make connections.

UNIT 5: Informational text and argumentative text: analyze text features, analyze argument, analyze main idea and details, explain ideas, compare and contrast accounts, make inferences, monitor comprehension, and use textual evidence.