

READING

5th Grade Essentials

Fluency

Apply fluency to enhance comprehension (125-135 WCPM)

Vocabulary

Apply vocabulary strategies

Use dictionary thesaurus & glossaries to find or confirm word meanings and pronunciations.

Comprehension

Predict/Infer

-Cite passages from text to confirm or defend predictions and inferences

Main Idea - Detail

-State the main idea of a passage and support provide several supporting, text-based details.

Text features Literary Elements

- Identify the narrator and explain the point of view
- Identify story elements from a story, selection or poem
- Explain the characteristics of various genres

Compare/Contrast

-Identify and interpret cause and effect relationships within a text using evidence from the text.

Author's Purpose

-Distinguish between fact and opinion and support with evidence from the text.

Summary

-Create a summary including main idea and most important text-based details and ideas from informational or literary text.

MATH

5th Grade Essentials

Number Sense

Understand place value to thousandths. (.001)

Demonstrate proficiency with addition, subtraction and estimation using decimals.

Reduce fractions to simplest form.

Apply procedures of multiplication, division of whole numbers

Measurement

Understand the differences between units (length, capacity, weight, temperature, in Customary and Metric) and how they are organized.

Understand concepts of angle measurement and be able to identify 30° , 45° , 60° , 90° , and 180° .

Understand and find the area of rectangles and the perimeter of polygons.

Geometric Sense

Demonstrate an understanding of the characteristics of angles, polygons, parallel, perpendicular, and congruence.

Probability and Statistics

Understand, collect, represent and interpret data from a line, bar, circle and picture graphs.

Find the mean, median, range and mode for a given set of data.

Understand and state the chance of events occurring.

Algebraic Sense

Apply understanding of a pattern to extend and to develop a rule describing a pattern including combinations of two arithmetic operations.

Evaluate simple expressions and solve simple equations.

Process

Apply strategies, concepts and procedures to devise a plan, solve problems, reason logically, and communicate with clarity using charts, diagrams, or pictures.

Strategies Emphasized:

Make an organized list

Solve a simpler problem

SCIENCE

5th Grade Essentials

Systems

Predict and explain how a system would work if one of its parts was missing or broken.

Describe what goes into (input) and out of (output) a system (e.g., what keeps a system running).

Describe the effect on a system when an input in the system is changed.

Inquiry Process

Develop a new question that can be investigated with the same materials and/or data as a given investigation.

Generate a logical plan for and conduct a simple controlled investigation that includes a question, prediction, materials, controlled variable, one changed variable, and measured variable.

Gather, record, and organize data using appropriate tools, charts and or graphs.

Generate a scientific conclusion and the reason for the given conclusion using evidence from an investigation.

Predict what logically might occur if an investigation lasted longer or changed.

Summarize an investigation by describing materials used, observations, data, and results, explanations and conclusions.

Application

Analyze how well a design or a product solves a problem.

Understand how humans depend on the natural environment and can cause changes in the environment that affect humans' ability to survive.

Analyses of systems through inquiry and application will guide the study of the Physical, Living and Earth/Space Systems.

Physical Systems

Understand that energy can be transferred from one object to another and can be transformed from one form of energy to another.

Understand that forces can change the motion of common objects.

Earth and Space Systems

Know processes that change the surface of Earth landforms.

Living Systems

Understand that living things need constant energy and matter.

Understand that plant and animal species change over time.

Understand that an organism's ability to survive is influenced by the organism's behavior and the ecosystem in which it lives.

Manson Elementary School

5th Grade Essentials



Thinking Behaviors

September: Metacognition, Attending, Self Control

October: Connections

November: Persisting, Teamwork

December: Empathy

January: Thinking Flexibly, Risk Taking

February: Questioning, Observing

March: Clarity, Accuracy

April: Humor, Creativity

WRITING

Use the writing process to produce text.

Write for different purposes: to explain, to tell a story and to persuade.

Write in a variety of forms including: autobiography, business letter, book review and persuasive advertisement.

Write in different genres: expository and persuasive.

Use the six traits of writing: ideas, organization, word choice, voice, fluency, and conventions and score using a 4/2 rubric.