

READING

4th Grade Essentials

Fluency

Apply fluency to enhance comprehension (115-125 WCPM)

Vocabulary

Apply vocabulary strategies

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

Comprehension

Sequencing

-Understand and identify sequence in literary and expository text

Main Idea - Detail

-State the main idea of a passage and support with three details

Text features Literary Elements

-Identify story elements of character, setting and plot (problem and solution)

-Use text organizational structures of table of contents, glossary and index

Compare/Contrast

-Compare and contrast elements of two texts

-Recognize and explain cause and effect relationships

Author's Purpose

-Understand the difference between fact and opinion and provide evidence from the text

MATH

4th Grade Essentials

Number Sense

Understand place value to 100,000

Demonstrate proficiency with multiplication and division facts through 12.

Understand fractions with like denominators.

Measurement

Understand and use units of measure for capacity.

Understand and find area and perimeter of rectangular shapes.

Read a clock to the minute.

Geometric Sense

Understand concepts of parallel, perpendicular, congruence and line of symmetry.

Demonstrate proficiency in graphing points on a coordinate grid.

Probability and Statistics

Understand, collect, and be able to represent data for/from line graph and pictograph.

Identify events as possible, more or less likely, or equally likely.

Identify median and range.

Algebraic Sense

Demonstrate understanding of $<$, $>$, $=$.

Understand patterns of objects including number patterns with a single addition, subtraction or multiplication operation.

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: Logical Reasoning, Working Backwards

SCIENCE

4th Grade Essentials

Systems

Describe a simple system that can perform a task and illustrate how the parts depend on each using common classroom materials

Explain how one part of a system depends upon other parts of the same system

Inquiry Process

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

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

Understand how to use simple models to represent objects, events, systems, and processes.

Understand why similar investigations may not produce similar results.

Application

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

Physical

Describe the states of water on Earth.

Understand that energy comes in many forms.

Earth/Space

Know how sun, moon and stars appear from Earth.

Understand that Earth's system includes a solid interior, landforms, bodies of water, and the atmosphere.

Living

Understand the organization and function of human body structures and how these structures interconnect.

Manson Elementary School

4th 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

May: Life Long Learning, Enthusiasm

WRITING

Use the writing process to produce text.

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

Write a variety of forms including: fictional stories, procedures, newspaper articles, and multi-paragraph explanatory letters.

Write in different genres: expository and narrative.

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