



## Math

- Use the four operations with whole numbers to solve problems
- Gain familiarity with factors and multiples
- Generate and analyze patterns
- Generalize place value understanding for multi-digit whole numbers
- Use place value understanding and properties of operations to perform multi-digit arithmetic
- Extend understanding of fraction equivalence and ordering
- Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers
- Understand decimal notation for fractions and compare decimal fractions
- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit
- Represent and interpret data
- Understand concepts of angle and measure angles

## Literacy

- Refer to the details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text
- Determine a theme of a story, drama, or poem from details in the text, summarize the text
- Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text
- Determine the meaning of words and phrases as they are used in a text
- Explain major differences between poems, drama, and prose, and refer to the structural elements of poems and drama
- Compare and contrast the point of view from which different stories are narrated
- Make connections between the text of a story or drama and a visual or oral presentation of the text
- Compare & contrast the treatment of similar themes and topics and patterns of events in stories, myths, and traditional literature
- By the end of the year, read and comprehend literature
- Identify the main idea of an informational text and explain how it is supported by key details, summarize the text
- Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text
- Describe the overall structure of events, ideas, concepts, or information in a text
- Compare and contrast a firsthand and secondhand account of the same event or topic
- Interpret information presented visually, orally, or quantitatively
- Know and apply grade level phonics and word analysis skills in decoding words
- Read with sufficient accuracy and fluency to support comprehension

## Project-Based Learning

**Converting Energy:** Students will make observations and explain evidence of energy ( sound, light, heat, electricity and motion). They will design, test and refine a device that converts energy from one form to another.

**Frankenstein Experiment:** Students will study animals that use their senses, internal and external structures to survive, grow and behave in a particular habitat. They will create a model of their own hybrid animal and explain how its structures help it to survive.

**Colorado History Living Museum:** Students will learn about Colorado history starting from Native Americans to present day. Then they will research a famous person in Colorado's history.