



A Fifth Grade student in the Littleton Public Schools will engage with the following big ideas in **English/Language Arts:**

21st Century Skills

Critical Thinking

**Information
Literacy**

Invention

Collaboration

Self Direction

- Know and apply grade-level phonics and word analysis skills in decoding words
- Read with sufficient accuracy and fluency to support comprehension
- Learn and use new words, including words related to specific subjects
- Explain how authors use reasons and evidence to support their points or ideas
- Determine the theme of a story, play, or poem, including how characters respond to challenges
- Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text
- Compare and contrast stories that deal with similar themes or topics
- Draw on information from multiple books, articles, or online sources to locate an answer or to solve a problem quickly
- Understand figurative language
- Participate in class discussions by listening, asking questions, sharing ideas, and building on the ideas of others
- Give a class presentation on a topic or telling a story, introducing relevant facts and details in a clear, logical order
- Write research and opinion papers over extended periods of time that support a point of view with reasons and information
- Write informative texts to examine a topic and convey ideas and information clearly
- Write narratives to develop reads or imagined experiences or events, using descriptive details, and clear event sequences
- Introduce a topic clearly in writing, and develop the topic with facts, definitions, concrete details, quotations, or other information
- Provide a written concluding statement or section related to the information or explanation presented

21st Century Skills

Critical Thinking

**Information
Literacy**

Invention

Collaboration

Self Direction

- Link ideas in writing within and across categories of information using words, phrases, and clauses
- Use precise language
- With some guidance and support from adults,
 - Use technology to produce and publish writing

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fifth Grade** student in the Littleton Public Schools will engage with the following big ideas in **Mathematics**:

Mathematically Proficient Students:

- **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**

[21st Century Skills](#)

- Write and interpret numerical expressions
- Analyze patterns and relationships
- Understand the place value system
- Perform operations with multi-digit whole numbers and with decimals to hundredths
- 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
- 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
- Graph points on the coordinate plane to solve real-world and mathematical problems
- Classify two-dimensional figures into categories based on their properties

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fifth Grade** student in the Littleton Public Schools will engage with the following big ideas in **Science**:

21st Century Skills

Critical Thinking

**Information
Literacy**

Invention

Collaboration

Self Direction

- Understand that mixtures of matter can be separated regardless of how they were created; all weight and mass of the mixture are the same as the sum of weight and mass of its parts
- Explain and analyze why all organisms have structures and systems with separate functions
- Explain and evaluate why human body systems have basic structures, functions, and needs
- Understand that the Earth and Sun provide a diversity of renewable and nonrenewable resources
- Identify and analyze the ways the Earth's surface changes constantly through a variety of processes and forces
- Explain how weather conditions change because of the uneven heating of Earth's surface by the Sun's energy. Weather changes are measured by differences in temperature, air pressure, wind and water in the atmosphere and type of precipitation

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fifth Grade** student in the Littleton Public Schools will engage with the following big ideas in **Social Studies**:

21st Century Skills

Critical Thinking

**Information
Literacy**

Invention

Collaboration

Self Direction

- Analyze historical sources from multiple points of view to develop an understanding of historical context
- Identify and explain the historical eras, individuals, groups, ideas, and themes in North America from 1491 through the founding of the United States government
- Use various geographic tools and sources to answer questions about the geography of the United States
- Explain and describe causes and consequences of movement
- Understand government and market structures influence financial institutions
- Use of financial institutions to manage personal finances (PFL)
- Describe and explain the foundations of citizenship in the United States
- Identify and explain the origins, structures, and functions of the United States government

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fifth Grade** student in the Littleton Public Schools will engage with the following big ideas in **Music**:

21st Century Skills

Critical Thinking

**Information
Literacy**

Invention

Collaboration

Self Direction

- Perform using enhanced musical techniques
- Perform more complex rhythmic, melodic, and harmonic patterns
- Perform melodies using traditional notation
- Improvise question and answer and basic musical phrases
- Notate simple compositions
- Analyze and apply dynamics, temp, meter, and articulation using appropriate music vocabulary
- Analyze aurally and visually notation of form in music
- Analyze more complex instrumental and vocal examples
- Comprehend and apply melodic, rhythmic, and harmonic patterns
- Explain and defend personal preferences for specific music
- Articulate the meaning of music according to elements, aesthetic qualities, and human responses

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fifth Grade** student in the Littleton Public Schools will engage with the following big ideas in **Physical Education**:

21st Century Skills

Critical Thinking

**Information
Literacy**

Invention

Collaboration

Self Direction

- Demonstrate the mature form for all basic locomotor, nonlocomotor, manipulative, and rhythmic skills
- Demonstrate understanding of how to combine and apply movement concepts and principles to learn and develop motor skills
- Understand and apply basic principles of training to improving physical fitness
- Demonstrate understanding of skill-related components of fitness and how they affect physical performance
- Connect the health-related fitness components to the body systems
- Assess and take responsibility for personal behavior and stress management
- Choose to participate cooperatively and productively in group and individual physical activities
- Identify personal activity interests and abilities
- Understand and utilize safe and appropriate warm-up, pacing, and cool-down techniques for injury prevention and safe participation

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fifth Grade** student in the Littleton Public Schools will engage with the following big ideas in **Visual Arts**:

21st Century Skills

Critical Thinking

**Information
Literacy**

Invention

Collaboration

Self Direction

- Identify, select, and compare visual images, themes, and ideas for works of art
- Identify and discuss how and why visual images, themes, and ideas communicate
- Use specific criteria to analyze and evaluate works of art
- Use assessment tools (rubric) to investigate and articulate artistic decisions
- Recognize, identify, and compare visual images, themes, and ideas for works of art
- Recognize and identify elements of art and principles of design
- Identify, describe, and respond regarding different techniques and processes, and craftsmanship
- Respond and describe to a variety of works of art, including their own
- Use age-appropriate art vocabulary to analyze and evaluate works of art
- Recognize and utilize artistic planning to develop ideas for intended meaning of art
- Create works of art utilizing expressive features and characteristics (elements/principles) to communicate personal and objective points of view
- Use technology to research and create art
- Use different media, techniques, and tools to understand art processes
- Use age-appropriate methods of planning to produce works of art
- Develop and use age-appropriate craftsmanship
- Understands how works of art relate to historical and cultural genre

Link to Additional Resource:

[Colorado Academic Standards](#)