



A **Fourth 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 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 an author uses facts, details, and evidence to support their points
- Read and comprehend literature, informational text, including history/social studies and science with grade level text complexity
- Compare and contrast the point of view from which different stories are narrated
- Compare and contrast themes, topics, and patterns of events
- Read and understand information presented in charts, graphs, timelines, and other illustrations
- Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text
- Identify 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
- Take notes and organize information from books, articles, and online sources to learn more about a topic
- Participate in class discussions by listening, asking questions, sharing ideas, and building on the ideas of others
- Giving a class presentation on a topic or telling a story using relevant, organized facts and details and speaking clearly
- Write opinion or research papers that support a point of view with reasons and information
- Write informative texts to examine a topic and convey ideas and information clearly

21st Century Skills

Critical Thinking

**Information
Literacy**

Invention

Collaboration

Self Direction

- Write stories with dialogue and descriptions of character’s actions, thoughts, and feelings
- With some guidance and support from adults,
 - Use technology to produce and publish writing

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fourth 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](#)

- 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 of 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
- Geometric measurement:
 - Understand concepts of angle and measure angle
- Draw and identify lines and angles, and classify shapes by properties of their lines and angles

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fourth 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

- Identify and understand that energy comes in many forms such as light, heat, sound, magnetic, chemical, and electrical
- Describe and classify why all living things share similar and different characteristics
- Compare fossils to each other or to living organisms to reveal features of prehistoric environments and provide information about organisms today
- Explain the interaction and interdependence between and among living and nonliving components of ecosystems
- Investigate how Earth is part of the solar system, which includes the Sun, Moon, and other bodies that orbit the Sun in predictable patterns that lead to observable paths of objects in the sky as seen from Earth

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fourth 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

- Organize and sequence events to understand the concepts of chronology and cause and effect in the history of Colorado
- Describe and analyze the historical eras, individuals, groups, ideas and themes in Colorado history and their relationships to key events in the United States
- Use several types of geographic tools to answer questions about the geography of Colorado
- Describe how connections within and across human and physical systems are developed
- Describe and explain how people respond to positive and negative incentives
- Define and analyze the relationship between choice and opportunity cost (PFL)
- Analyze and debate multiple perspectives on an issue
- Identify and explain the origins, structure, and functions of the Colorado government

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fourth 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 accurate production techniques
- Perform a variety of rhythmic, melodic, and harmonic patterns
- Perform extended melodies from the treble staff using traditional notation
- Improvise simple musical phrases
- Notate simple musical selections
- Apply and demonstrate the use of more advanced dynamics, tempo, meter, and articulation using appropriate music vocabulary
- Identify aural and visual notations of basic musical forms
- Analyze vocal and instrumental examples
- Identify and aurally recognize melodic, rhythmic, and harmonic patterns
- Explain personal preferences for specific music
- Comprehend and respect the musical values of others considering cultural context as an element of musical evaluation and meaning

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fourth 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

- Identify the major characteristics of mature locomotor, nonlocomotor, manipulative, and rhythmic skills
- Provide and receive feedback to and from peers using the major characteristics of mature locomotor and manipulative skills
- Explain how the health-related components of fitness affect performance when participating in physical activity
- Recognize the relationship between healthy nutrition and exercise
- Recognize the benefits derived from regular, moderate, and vigorous physical activity
- Identify and describe the benefits, risks, and safety factors associated with regular participation in physical activity

Link to Additional Resource:

[Colorado Academic Standards](#)



A **Fourth 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 and compare and contrast visual images, based on themes and ideas for works of art and characteristics and expressive features
- Use specific criteria to analyze and evaluate works of art based on artistic intent, culture, and time in which it was created
- Recognize, identify, and compare visual images, themes, and ideas for works of art
- Develop divergent thinking by using informed judgments of art and art making processes
- Describe and respond to a variety of works of art, including their own
- Create works of art utilizing a variety of expressive features and characteristics (elements/principles)
- Use different media, techniques, and tools in a traditional, unique or inventive way
- Develop and use age-appropriate craftsmanship
- Understand how works of art relate to historical and cultural genre
- Respectfully discuss and debate culturally sensitive themes as presented in art

Link to Additional Resource:

[Colorado Academic Standards](#)