

## COLORADO EDUCATIONAL STANDARDS

Lessons in the SDHW Written Curriculum that address all or part of these Colorado Education Standards for **FOURTH GRADE**:

<b>Geography Standards</b>	
Standard 1.1 – Students know how to use and construct maps, globes, and other geographic tools to locate and derive information about people, places, and environments. Specifically, students know how to use maps, globes, and other geographic tools to acquire, process, and report information from a spatial perspective.	Lessons that address all or part of this benchmark: 1.3
Standard 1.2 – Students know how to use and construct maps, globes, and other geographic tools to locate and derive information about people, places, and environments. Specifically, students develop knowledge of Earth to locate people, places, and environments.	Lessons that address all or part of this benchmark: 1.3
Standard 1.3 – Students know how to use and construct maps, globes, and other geographic tools to locate and derive information about people, places, and environments. Specifically, students know how to analyze the dynamic spatial organization of people, places, and environments.	Lessons that address all or part of this benchmark: 1.3
Standard 2.2 – Students know the physical and human characteristics of places, and use this knowledge to define and study regions and their patterns of change. Specifically, students know how and why people define regions.	Lessons that address all or part of this benchmark: 1.3
Standard 3.1 – Students understand how physical processes shape Earth’s surface patterns and systems. Specifically, students know the physical processes that shape Earth’s surface patterns.	Lessons that address all or part of this benchmark: 1.3
Standard 3.2 – Students understand how physical processes shape Earth’s surface patterns and systems. Specifically, students know the characteristics and distributions of physical systems of land, air, water, plants, and animals.	Lessons that address all or part of this benchmark: 1.3
Standard 4.2 – Students understand how economic, political, cultural, and social processes interact to shape patterns of human populations, interdependence, cooperation, and conflict. Specifically, students know the nature and spatial distribution of cultural patterns.	Lessons that address all or part of this benchmark: 2.1, 3.1, 4.1
Standard 5.1 – Students understand the effects of interactions between human and physical systems and the changes in meaning, use, distribution, and importance of resources. Specifically, students know how human actions modify the physical environment.	Lessons that address all or part of this benchmark: 2.1, 3.1, 4.1

<p>Standard 5.2 – Students understand the effects of interactions between human and physical systems and the changes in meaning, use, distribution, and importance of resources. Specifically, students know how physical systems affect human systems.</p>	<p>Lessons that address all or part of this benchmark: 1.3, 1.5, 2.1, 3.1, 4.1</p>
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<p><b>Math Standards</b></p>	
<p>Standard 1 – Students develop number sense and use numbers and number relationships in problem-solving situations and communicate the reasoning used in solving these problems.</p>	<p>Lessons that address all or part of this benchmark: 1.3, 1.5, 2.1, 2.2, 3.1, 3.2, 4.1, 4.5</p>
<p>Standard 2 – Students use algebraic methods to explore, model, and describe patterns and functions involving numbers, shapes, data, and graphs in problem-solving situations and communicate the reasoning used in solving these problems.</p>	<p>Lessons that address all or part of this benchmark: 1.3, 1.5, 2.1, 2.2, 3.1, 3.2, 4.1, 4.5</p>
<p>Standard 3 – Students use data collection and analysis, statistics, and probability in problem-solving situations and communicate the reasoning used in solving these problems.</p>	<p>Lessons that address all or part of this benchmark: 1.3, 1.5, 2.1, 2.2, 3.1, 3.2, 4.1</p>
<p>Standard 4 – Students use geometric concepts, properties, and relationships in problem-solving situations and communicate the reasoning used in solving these problems.</p>	<p>Lessons that address all or part of this benchmark: 1.3</p>
<p>Standard 5 – Students use a variety of tools and techniques to measure, apply the results in problem-solving situations, and communicate the reasoning used in solving these problems.</p>	<p>Lessons that address all or part of this benchmark: 1.5, 2.1, 2.2, 3.1, 3.2, 4.1, 4.5</p>
<p>Standard 6 – Students link concepts and procedures as they develop and use computational techniques, including estimation, mental arithmetic, paper-and-pencil, calculators, and computers, in problem-solving situations and communicate the reasoning used in solving these problems.</p>	<p>Lessons that address all or part of this benchmark: 1.3, 1.5, 2.1, 2.2, 3.1, 3.2, 4.1, 4.4</p>

## Reading and Writing Standards

Standard 1 – Students read and understand a variety of materials.	Lessons that address all or part of this benchmark: 1.3, 1.4, 1.5, 1.6, 2.2, 2.4, 3.3, 3.5, 4.2, 4.3, 4.4, 4.5
Standard 2 – Students write and speak for a variety of purposes and audiences.	Lessons that address all or part of this benchmark: 1.3, 1.4, 1.5, 1.6, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.5, 4.1, 4.3, 4.4, 4.5, Assessment
Standard 3 – Students write and speak using conventional grammar, usage, sentence structure, punctuation, capitalization, and spelling.	Lessons that address all or part of this benchmark: 1.3, 1.4, 1.5, 1.6, 2.2, 2.3, 2.4, 3.2, 3.3, 3.4, 3.5, 4.2, 4.3, 4.5, Assessment
Standard 4 – Students apply thinking skills to their reading, writing, speaking, listening, and viewing.	Lessons that address all or part of this benchmark: 1.3, 1.4, 1.5, 1.6, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 3.5, 4.1, 4.2, 4.3, 4.4, 4.5, Assessment
Standard 5 – Students read to locate, select, and make use of relevant information from a variety of media, reference, and technological sources.	Lessons that address all or part of this benchmark: 1.3, 2.2, 2.3, 2.4, 3.4, 4.3, 4.4
Standard 6 – Students read and recognize literature as a record of human experience.	Lessons that address all or part of this benchmark: 1.4, 1.5, 1.6, 2.2, 2.3, 2.4, 3.3, 3.5, 4.2, 4.3, Assessment

## Science Standards

Standard 1 – Students understand the processes of scientific investigation and design, conduct, communicate about, and evaluate such investigations.	Lessons that address all or part of this benchmark: 1.1, 1.3, 2.1, 2.2, 3.1, 3.2, 4.1
Standard 2.1 – Students know and understand common properties, forms, and changes in matter and energy. Specifically, students know that matter has characteristic properties, which are related to its composition and structure.	Lessons that address all or part of this benchmark: 1.1, 1.3, 2.2, 3.2
Standard 2.2 – Students know and understand common properties, forms, and changes in matter and energy. Specifically, students know that energy appears in different forms, and can move (be transferred) and change (be transformed).	Lessons that address all or part of this benchmark: 1.1, 1.3, 2.2, 3.2
Standard 2.3 – Students know and understand common properties, forms, and changes in matter and energy. Specifically, students understand that interactions can produce changes in a system, although the total quantities of matter and energy remain unchanged.	Lessons that address all or part of this benchmark: 1.1, 2.2
Standard 3.4 – Students know and understand the characteristics and structure of living things, the processes of life, and how living things interact with each other and their environment. Specifically, students know and understand how organisms change over time in terms of biological evolution and genetics.	Lessons that address all or part of this benchmark: 1.2, 1.5

Standard 4.1 – Students know and understand the processes and interactions of Earth’s systems and the structure and dynamics of Earth and other objects in space. Specifically, students know and understand the composition of Earth, its history, and the natural processes that shape it.	Lessons that address all or part of this benchmark: 1.1, 1.2, 1.3, Assessment
Standard 4.2 – Students know and understand the processes and interactions of Earth’s systems and the structure and dynamics of Earth and other objects in space. Specifically, students know and understand the general characteristics of the atmosphere and fundamental processes of weather.	Lessons that address all or part of this benchmark: 1.1, 1.2, 1.3, 1.5, 2.1, 2.2, 3.1, 3.2, 4.1, Assessment
Standard 6 – Students understand that science involves a particular way of knowing and understand common connections among scientific disciplines.	Lessons that address all or part of this benchmark: 1.1, 1.3, 1.5, 2.1, 2.2, 3.1, 3.2, 4.1

<b>Visual Arts Standards</b>	
Standard 1 – Students recognize and use the visual arts as a form of communication.	Lessons that address all or part of this benchmark: 3.2, 4.3
Standard 2 – Students know and apply elements of art, principles of design, and sensory and expressive features of visual arts.	Lessons that address all or part of this benchmark: 3.2, 4.3
Standard 3 – Students know and apply visual arts materials, tools, techniques, and processes.	Lessons that address all or part of this benchmark: 3.2, 4.3
Standard 4 – Students relate the visual arts to various historical and cultural traditions.	Lessons that address all or part of this benchmark: 4.3
Standard 5 – Students analyze and evaluate the characteristics, merits, and meaning of works of art.	Lessons that address all or part of this benchmark: 3.2, 4.3