

Learn Today, Lead Tomorrow

6th Grade Year at a Glance

The purpose of this document is to provide families an overview of the grade level expectations identified in the 2020 Colorado Academic Standards in the core content areas of Reading, Writing, and Communicating; Mathematics; Science, Social Studies; and Comprehensive Health. The Essential Skills are integrated into all of the 2020 Colorado Academic Standards and are identified on this document.

Reading, Writing, and Communicating

Oral Expression and Listening

1. Employ appropriate presentation and collaboration strategies to meet the needs of a given task and purpose.
2. Develop, organize, and present ideas and opinions effectively.

Reading for all Purposes

1. Analyze literary elements within different types of literature to make meaning.
2. Analyze organization and structure of informational text to make meaning.
3. Apply knowledge of word relationships, word structures, and sentence structures to determine the meaning of new words in context.

Writing and Composition

1. Write arguments that support claim(s) using clear reasons, relevant evidence, credible sources, and a formal style.
2. Write informative/explanatory texts characterized by appropriate organization, ample development, precise language and formal style.
3. Write engaging real or imagined narratives using techniques such as sensory language, dialogue, description and sequencing to convey experiences and events.
4. Plan, draft, edit, and revise as needed to craft clear and coherent writing that demonstrates a grasp of standard conventions for grammar, usage, and mechanics as well as a style appropriate for purpose and audience.

Research Inquiry and Design

1. Pose research question(s), gather, synthesize, and credit relevant and credible resources, and present findings.

Mathematics

Number and Quantity

1. Understand ratio concepts and use ratio reasoning to solve problems.
2. Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
3. Compute fluently with multi-digit numbers and find common factors and multiples.
4. Apply and extend previous understandings of numbers to the system of rational numbers.

Algebra and Functions

1. Apply and extend previous understandings of arithmetic to algebraic expressions.
2. Reason about and solve one-variable equations and inequalities.
3. Represent and analyze quantitative relationships between dependent and independent variables.

Data, Statistics, and Probability

1. Develop understanding of statistical variability.
2. Summarize and describe distributions.

Geometry

1. Solve real-world and mathematical problems involving area, surface area, and volume.

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Science

Physical Science

1. The fact that matter is composed of atoms and molecules can be used to explain the properties of substances, diversity of materials, states of matter and phase changes.
2. Reacting substances rearrange to form different molecules, but the number of atoms is conserved. Some reactions release energy and others absorb energy.

Life Science

1. Organisms and populations of organisms are dependent on their environmental interactions both with other living things and with nonliving.
2. Ecosystems are sustained by the continuous flow of energy, originating primarily from the sun, and the recycling of matter and nutrients within the system.
3. Ecosystems are dynamic in nature; their characteristics can vary over time. Disruptions to any physical or biological component of an ecosystem can lead to shifts in all of its populations.
4. Biodiversity is the wide range of existing life forms that have adapted to the variety of conditions on Earth, from terrestrial to marine ecosystems.

Earth and Space Science

1. Water cycles among land, ocean, and atmosphere, and is propelled by sunlight and gravity. Density variations of seawater drive interconnected ocean currents. Water movement causes weathering and erosion, changing landscape features.
2. Humans depend on Earth's land, ocean, atmosphere, and biosphere for different resources, many of which are limited or not renewable. Resources are distributed unevenly around the planet as a result of past geologic processes.

Social Studies

History

1. Analyze and interpret primary and secondary sources to ask and research historical questions about the Western Hemisphere.
2. The historical eras, individuals, groups, ideas, and themes within regions of the Western Hemisphere and their relationships with one another.

Geography

1. Use geographic tools and resources to research and make geographic inferences and predictions about the Western Hemisphere.
2. Regional differences and perspectives in the Western Hemisphere impact human and environmental interactions.

Economics

1. Investigate how societies create different economic systems in the Western Hemisphere.
2. Investigate the role of consumers within the Western Hemisphere (Personal Financial Literacy).

Civics

1. Analyze the relationships of different nations in the Western Hemisphere.
2. Systems of government in the Western Hemisphere.

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Comprehensive Health

Physical and Personal Wellness

1. Evaluate the validity and reliability of information, products, and services to enhance healthy eating behaviors.
2. Identify valid and reliable resources regarding qualities of healthy family and peer relationships.
3. Comprehend the relationship between feelings and actions during adolescence.
4. Analyze how positive health behaviors can benefit people throughout their lifespan.

Social and Emotional Wellness

1. Understand how to be mentally and emotionally healthy.
2. Apply effective verbal and nonverbal communication skills to enhance health.

Prevention and Risk Management

1. Analyze the factors that influence a person's decision to use or not use marijuana, illegal drugs, prescription drugs, alcohol, and tobacco.
2. Demonstrate the ability to refuse marijuana, illegal drugs, abuse of prescription drugs, alcohol, and tobacco.
3. Demonstrate ways to advocate for a positive, respectful school and community environment that supports pro-social behavior.
4. Demonstrate ways to promote safety, and prevent unintentional injuries.

Essential Skills Addressed in All Content Areas

"Core skills that are necessary to successfully enter the workforce or educational opportunities beyond high school." (Colorado Department of Education Essential Skills Guidance, p.2.)

- **Personal Skills** These skills include self-awareness; initiative and self-direction; personal responsibility; adaptability and flexibility; perseverance and resilience.
- **Entrepreneurial Skills** These skills include critical thinking and problem solving; creativity and innovation; inquiry and analysis; and informed risk taking.
- **Civic/Interpersonal Skills** These skills include collaboration and teamwork; communication such as using information and communication technologies; global and cultural awareness; civic engagement; and character.
- **Professional Skills** These skills include task and time management; career awareness; information literacy; using information and communication technologies; self-advocacy; and leadership.

If you would like to learn more about the Essential Skills, please talk with your child's teacher, and visit the Colorado Department of Education's [Essential Skills](#) page.