

Standards Referenced

Next Generation Science Standards

Earth's Systems: Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind or vegetation (4-ESS2-1).

From Molecules to Organisms — Structures and Processes: Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior and reproduction (4-LS1). Support an argument that plants get the materials they need for growth chiefly from air and water (5-LS1).

Heredity: Inheritance and Variation of Traits: Use evidence to support the explanation that traits can be influenced by the environment (3-LS3-2); develop and use a model to describe why structural changes to genes (mutations) located on chromosomes may affect proteins and may result in harmful, beneficial, or neutral effects to the structure and function of the organism (MS-LS3-1).

Common Core State Standards for English Language Arts

Writing Standards K-5, Text Types and Purposes: Write informative/explanatory texts to examine a topic and convey ideas and information clearly (2); use concrete words and phrases and sensory details to convey experiences and events precisely (3.d).

Writing Standards 6-12, Text Types and Purposes: Use words, phrases and clauses to clarify the relationships among claim(s) and reasons (1.c).

Writing Standards K-5, Production and Distribution: Produce clear and coherent writing in which the development and organization are appropriate to task, purpose and audience (4).

Reading Standards 6-12, Craft and Structure: Determine the meaning of words and phrases as they are used in text (4).

Speaking and Listening 4-6, Presentation of Knowledge and Ideas: Report on a topic or text; speak clearly at an understandable pace (4.4., 5.4); present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation (6.4).



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Common Core State Standards for Mathematics

Number and Operations — Fractions (4.NF): Extend understanding of fraction equivalence and ordering (2); understand decimal notation for fractions and compare decimal fractions (6).

Number and Operations — Fractions (5.NF): Use equivalent fractions as a strategy to add and subtract fractions (2).

National Social Studies and History Standards — *National Council for Social Studies*

Gain From Trade (NSS-EC.K-4/5-8.5): Voluntary exchange occurs only when all participating parties expect to gain.

Specialization and Trade (NSS-EC.K-4/5-8.6): When individuals, regions and nations specialize in what they can produce at the lowest cost and then trade with others, both production and consumption increase.

Markets — Price and Quantity Determination (NSS—EC.K-4/5-8.7): Markets exist when buyers and sellers interact. This interaction determines market prices and thereby allocates scarce goods and services.

Role of Money (NSS-EC.K-4.11): Money makes it easier to trade, borrow, save, invest and compare the value of goods and services.

The World in Spatial Terms (NSS-G.K-12.1): Understand how to use maps and other geographic representations, tools and technologies to acquire, process and report information from a spatial perspective.

National Health Education Standards — *American Cancer Society*

Health Promotion and Disease Prevention (NPH-H.K-4.1): Describe relationships between personal health behaviors and individual well-being.

