

Main Criteria: Washington State K-12 Learning Standards and Guidelines

Secondary Criteria: Science Grade 5 2017

Subject: Science

Grade: 5

Correlation Options: Show All

Washington State K-12 Learning Standards and Guidelines

Science

Grade: 5 - Adopted: 2014

EALR	WA.5-PS.	PHYSICAL SCIENCE
BIG IDEA / CORE CONTENT	5-PS1.	Matter and Its Interactions
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-PS1-1.	Develop a model to describe that matter is made of particles too small to be seen. <u>Science 5</u> Science 5A- Module 4: Atoms Science 5A- Module 4: Conservation of Matter Science 5A- Module 4: Mixtures and Solutions Science 5A- Module 4: States of Matter
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-PS1-2.	Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved. <u>Science 5</u> Science 5A- Module 4: Conservation of Matter
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-PS1-3.	Make observations and measurements to identify materials based on their properties. <u>Science 5</u> Science 5A- Module 4: Atoms Science 5A- Module 4: Conservation of Matter Science 5A- Module 4: Mixtures and Solutions Science 5A- Module 4: States of Matter Science 5A- Module 5: Introduction to Light
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-PS1-4.	Conduct an investigation to determine whether the mixing of two or more substances results in new substances. <u>Science 5</u> Science 5A- Module 4: Atoms Science 5A- Module 4: Conservation of Matter Science 5A- Module 4: Mixtures and Solutions Science 5A- Module 4: States of Matter
EALR	WA.5-PS.	PHYSICAL SCIENCE

BIG IDEA / CORE CONTENT	5-PS2.	Motion and Stability: Forces and Interactions
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-PS2-1.	<p>Support an argument that the gravitational force exerted by Earth on objects is directed down.</p> <p><u>Science 5</u> Science 5A- Module 1: Gravity & Orbits Science 5A- Module 2: Introduction to the Moon Science 5A- Module 2: Tides Science 5A- Module 3: Earth and Weight Science 5A- Module 3: Force Science 5A- Module 3: Forces, Motion, and Position Science 5A- Module 3: Newton's Laws of Motion Science 5A- Module 3: Types of Forces</p>
EALR	WA.5-PS.	PHYSICAL SCIENCE
BIG IDEA / CORE CONTENT	5-PS3.	Energy
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-PS3-1.	<p>Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.</p> <p><u>Science 5</u> Science 5A- Module 6: Introduction to Ecosystems Science 5A- Module 6: Consumers Science 5A- Module 6: Food Chains and Food Webs Science 5B- Module 10: Nonrenewable Resources Science 5A- Module 6: Phytoplankton Science 5B- Module 10: Renewable Resources Science 5B- Module 7: Andes and Rockies Ecosystems Science 5B- Module 7: Ethiopoan Highlands Science 5B- Module 7: Taiga Science 5B- Module 8: Temperate Broadleaf Forest Science 5B- Module 8: Temperate Coniferous Forest Science 5B- Module 8: The Himalayas Ecosystems Science 5B- Module 7: Tundra Animals Science 5B- Module 7: Tundra Plants Science 5B- Module 8: North atlantic and Coral reef Science 5B- Module 8: Tall grass Prairie Science 5B- Module 8: The Rainforest Ecosystem Science 5B- Module 8: Grassland and Savanna Science 5B- Module 9: Plants: Photosynthesis Lesson Science 5B- Module 9: Plants: Stems</p>

		<p>Science 5B- Module 11: Nutrition</p> <p>Science 5B- Module 11: Proteins and amino Acids</p> <p>Science 5B- Module 9: Seeds</p> <p>Science 5B- Module 9: Leaves</p> <p>Science 5B- Module 10: Plant Nutrients</p> <p>Science 5B- Module 9: Roots</p> <p>Science 5B- Module 12</p>
EALR	WA.5-LS.	LIFE SCIENCE
BIG IDEA / CORE CONTENT	5-LS1.	From Molecules to Organisms: Structures and Processes
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-LS1-1.	<p>Support an argument that plants get the materials they need for growth chiefly from air and water.</p> <p><u>Science 5</u></p> <p>Science 5A- Module 6: Water on Planet Earth</p> <p>Science 5A- Module 2: Introduction to the Moon</p> <p>Science 5A- Module 6: Living on Planet Earth</p> <p>Science 5A- Module 6: Introduction to Ecosystems</p> <p>Science 5A- Module 6: Consumers</p> <p>Science 5A- Module 6: Food Chains and Food Webs</p> <p>Science 5B- Module 10: Nonrenewable Resources</p> <p>Science 5A- Module 6: Phytoplankton</p> <p>Science 5B- Module 10: Renewable Resources</p> <p>Science 5B- Module 7: Andes and Rockies Ecosystems</p> <p>Science 5B- Module 7: Ethiopoan Highlands</p> <p>Science 5B- Module 7: Taiga</p> <p>Science 5B- Module 8: Temperate Broadleaf Forest</p> <p>Science 5B- Module 7: Temperate Coniferous Forest</p> <p>Science 5B- Module 7: The Himalayas Ecosystems</p> <p>Science 5B- Module 7: Tundra Plants</p> <p>Science 5B- Module 8: North atlantic and Coral reef</p> <p>Science 5B- Module 8: The Rainforest Ecosystem</p> <p>Science 5B- Module 8: Grassland and Savanna</p> <p>Science 5B- Module 9: Plants: Photosynthesis Lesson</p> <p>Science 5B- Module 9: Plants: Stems</p> <p>Science 5B- Module 11: Proteins and amino Acids</p> <p>Science 5B- Module 9: Seeds</p> <p>Science 5B- Module 9: Leaves</p> <p>Science 5B- Module 11: Nutrients</p> <p>Science 5B- Module 9: Roots</p>
EALR	WA.5-LS.	LIFE SCIENCE

BIG IDEA / CORE CONTENT	5-LS2.	Ecosystems: Interactions, Energy, and Dynamics
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-LS2-1.	<p>Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.</p> <p><u>Science 5</u></p> <p>Science 5A- Module 6: Introduction to Ecosystems Science 5A- Module 6: Consumers Science 5A- Module 6: Food Chains and Food Webs</p> <p>Science 5A- Module 6: Phytoplankton Science 5B- Module 10: Renewable Resources Science 5B- Module 7: Taiga Science 5B- Module 8: Temperate Broadleaf Forest Science 5B- Module 7: Temperate Coniferous Forest</p> <p>Science 5B- Module 7: Tundra Animals Science 5B- Module 7: Tundra Plants Science 5B- Module 8: North atlantic and Coral reef</p> <p>Science 5B- Module 8: The Rainforest Ecosystem Science 5B- Module 9: Plants: Photosynthesis Lesson Science 5B- Module 10: Fertilizer Science 5B- Module 10: Plant Nutrients Science 5B- Module 10: Soil Life Science 5B- Module 10: Soil Layers</p>
EALR	WA.5-ESS.	EARTH AND SPACE SCIENCE
BIG IDEA / CORE CONTENT	5-ESS1.	Earth's Place in the Universe
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-ESS1-1.	<p>Support an argument that the apparent brightness of the sun and stars is due to their relative distances from Earth.</p> <p><u>Science 5</u></p> <p>Science 5A- Module 1: Formation of the Solar System Science 5A- Module 1: The Stars Science 5A- Module 1: The Sun</p>
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-ESS1-2.	<p>Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.</p> <p><u>Science 5</u></p> <p>Science 5A- Module 1: Comets and Asteroids Science 5A- Module 1: Jovian Planets Science 5A- Module 1: Terrestrial Planets</p>

		<p>Science 5A- Module 1: Formation of the Solar System</p> <p>Science 5A- Module 1: Meteroids</p> <p>Science 5A- Module 2: Rotation and Revolution</p> <p>Science 5A- Module 2: Spring and Summer</p> <p>Science 5A- Module 2: Fall and Winter</p> <p>Science 5A- Module 2: Earth's Tilt and the Seasons</p> <p>Science 5A- Module 2: Introduction to the Moon</p> <p>Science 5A- Module 2: Night and Day</p> <p>Science 5A- Module 2: Phases of the Moon</p> <p>Science 5A- Module 5: Introduction to Light</p> <p>Science 5A- Module 5: Sight and Light</p>
EALR	WA.5-ESS.	EARTH AND SPACE SCIENCE
BIG IDEA / CORE CONTENT	5-ESS2.	Earth's Systems
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-ESS2-1.	<p>Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.</p> <p><u>Science 5</u></p> <p>Science 5A- Module 1: Terrestrial Planets</p> <p>Science 5A- Module 1: Formation of the Solar System</p> <p>Science 5A- Module 2: Rotation and Revolution</p> <p>Science 5A- Module 6: Water on Planet Earth</p> <p>Science 5A- Module 6: Living on Planet Earth</p> <p>Science 5A- Module 6: Consumers</p> <p>Science 5B- Module 7: Andes and Rockies Ecosystems</p> <p>Science 5B- Module 7: Ethiopoan Highlands</p> <p>Science 5B- Module 7: The Himalayas Ecosystems</p> <p>Science 5B- Module 8: Grassland and Savanna</p> <p>Science 5B- Module 10: Soil Life</p>
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-ESS2-2.	<p>Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.</p> <p><u>Science 5</u></p> <p>Science 5A- Module 6: Water on Planet Earth</p> <p>Science 5A- Module 6: Living on Planet Earth</p> <p>Science 5B- Module 10: Nonrenewable Resources</p>
EALR	WA.5-ESS.	EARTH AND SPACE SCIENCE
BIG IDEA / CORE CONTENT	5-ESS3.	Earth and Human Activity
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	5-ESS3-1.	Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.

		<u>Science 5</u> Science 5A- Module 6: Consumers Science 5B- Module 10: Nonrenewable Resources Science 5B- Module 10: Renewable Resources Science 5B- Module 8: North atlantic and Coral reef
EALR	WA.3-5-ETS.	ENGINEERING DESIGN
BIG IDEA / CORE CONTENT	3-5-ETS1.	Engineering Design
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	3-5-ETS1-1.	Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost. <u>Science Grade 5</u> Science 5B- Module 12
CONTENT STANDARD / PERFORMANCE EXPECTATION	3-5-ETS1-2.	Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. <u>Science Grade 5</u> Science 5B- Module 12
CONTENT STANDARD / PERFORMANCE EXPECTATION	3-5-ETS1-3.	Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved. <u>Science Grade 5</u> Science 5B- Module 12

|

|