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

Secondary Criteria: Science Grade 3 2017

Subject: Science

Grade: 3

Correlation Options: Show All

Washington State K-12 Learning Standards and Guidelines

Science

Grade: **3** - Adopted: **2014**

EALR	**WA.3-PS.**	**PHYSICAL SCIENCE**
BIG IDEA / CORE CONTENT	**3-PS2.**	**Motion and Stability: Forces and Interactions**
CORE CONTENT / CONTENT STANDARD		**Students who demonstrate understanding can:**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-PS2-1.**	**Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.** **Science Grade 3 2017** **Sceince 3B- Module 2: Forces and Movement**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-PS2-2.**	**Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.** **Science Grade 3 2017** **Sceince 3B- Module 2: Forces and Movement** **Sceince 3B- Module 2: Magnetism**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-PS2-3.**	**Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.** **Science Grade 3 2017** **Sceince 3B- Module 2: Magnetism** **Science 3A- Module 4: Lightning and Electricity**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-PS2-4.**	**Define a simple design problem that can be solved by applying scientific ideas about magnets.** **Science Grade 3 2017** **Sceince 3B- Module 2: Magnetism**
EALR	**WA.3-LS.**	**LIFE SCIENCE**
BIG IDEA / CORE CONTENT	**3-LS1.**	**From Molecules to Organisms: Structures and Processes**
CORE CONTENT / CONTENT STANDARD		**Students who demonstrate understanding can:**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-LS1-1.**	**Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.** **Science Grade 3 2017**

		Science 3A- Module 5: The Earth and Sun Relationship Science 3B- Module 1: Cycle of Seasons Science 3B- Module 1: Investigation in to Root Formation Science 3B- Module 1: Plants and Water Absorption Science 3B- Module 3:Animal Cooperation Science 3B- Module 5: Life Cycles
EALR	WA.3-LS.	LIFE SCIENCE
BIG IDEA / CORE CONTENT	3-LS2.	Ecosystems: Interactions, Energy, and Dynamics
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	3-LS2-1.	Construct an argument that some animals form groups that help members survive. <u>Science Grade 3 2017</u> Science 3B- Module 3: Classifying Ecosystems: Biomes Science 3B- Module 3:Animal Cooperation Science 3B- Module 3:Classifying Ecosystems: Biomes II Science 3B- Module 5: Characteristics of Vertebrates and Invertebrates Science 3B- Module 6: Biodiversity and Extinction
EALR	WA.3-LS.	LIFE SCIENCE
BIG IDEA / CORE CONTENT	3-LS3.	Heredity: Inheritance and Variation of Traits
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	3-LS3-1.	Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms. <u>Science Grade 3 2017</u> Science 3B- Module 5: Life Cycles
CONTENT STANDARD / PERFORMANCE EXPECTATION	3-LS3-2.	Use evidence to support the explanation that traits can be influenced by the environment. <u>Science Grade 3 2017</u> Science 3B- Module 5: Heredity and Genetics
EALR	WA.3-LS.	LIFE SCIENCE
BIG IDEA / CORE CONTENT	3-LS4.	Biological Evolution: Unity and Diversity
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE EXPECTATION	3-LS4-1.	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago. <u>Science Grade 3 2017</u> Science 3A- Module 5: History of Life in Earth Science 3B- Module 4: Characteristics of Rocks

CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-LS4-2.**	**Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.** **<u>Science Grade 3 2017</u>** **Sceince 3B- Module 2: Basics of Photosynthesis** **Science 3A- Module 2: Plant Respiration and Relationships** **Science 3A- Module 5: Global Climate Zones** **Science 3A- Module 5: History of Life in Earth** **Science 3A- Module 5: The Earth and Sun Relationship** **Science 3A- Module 6: Characteristics of Terrain on Earth** **Science 3A- Module 6:Trees and Human Needs** **Science 3B- Module 1: Cycle of Seasons** **Science 3B- Module 3: Anumal Habitats and Weather** **Science 3B- Module 3: Biomes: Fresh Water** **Science 3B- Module 3: Biomes: Ocean Water** **Science 3B- Module 3: Classifying Ecosystems: Biomes** **Science 3B- Module 3:Classifying Ecosystems: Biomes II** **Science 3B- Module 4: Characteristics of Caves and Cave Animals** **Science 3B- Module 5: Characteristics of Life** **Science 3B- Module 5: Characteristics of Vertebrates and Invertebrates** **Science 3B- Module 5: Life Cycles** **Science 3B- Module 6: Animal Camouflage** **Science 3B- Module 6: Biodiversity and Extinction** **Science 3B- Module 6: Concepts of Plants: Stems**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-LS4-3.**	**Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.** **<u>Science Grade 3 2017</u>** **Sceince 3B- Module 2: Basics of Photosynthesis** **Science 3A- Module 2: Plant Respiration and Relationships** **Science 3A- Module 5: Global Climate Zones** **Science 3A- Module 5: History of Life in Earth** **Science 3A- Module 6: Characteristics of Terrain on Earth** **Science 3A- Module 6:Trees and Human Needs** **Science 3B- Module 1: Cycle of Seasons** **Science 3B- Module 3: Anumal Habitats and Weather** **Science 3B- Module 3: Biomes: Fresh Water**

		Science 3B- Module 3: Biomes: Ocean Water **Science 3B- Module 3: Classifying Ecosystems: Biomes** **Science 3B- Module 3:Classifying Ecosystems: Biomes II** **Science 3B- Module 4: Characteristics of Caves and Cave Animals** **Science 3B- Module 5: Characteristics of Life** **Science 3B- Module 5: Characteristics of Vertebrates and Invertebrates** **Science 3B- Module 5: Life Cycles** **Science 3B- Module 6: Animal Camouflage** **Science 3B- Module 6: Biodiversity and Extinction** **Science 3B- Module 6: Concepts of Plants: Stems** **Science 3B- Module 6: Plants and Animals: Extinction**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-LS4-4.**	**Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.** **<u>Science Grade 3 2017</u>** **Sceince 3B- Module 2: Interdependence of Man and Nature** **Science 3B- Module 3: Biomes: Ocean Water** **Science 3B- Module 5: Characteristics of Life** **Science 3B- Module 6: Biodiversity and Extinction** **Science 3B- Module 6: Plants and Animals: Extinction**
EALR	**WA.3-ESS.**	**EARTH AND SPACE SCIENCE**
BIG IDEA / CORE CONTENT	**3-ESS2.**	**Earth's Systems**
CORE CONTENT / CONTENT STANDARD		**Students who demonstrate understanding can:**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-ESS2-1.**	**Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.** **<u>Science Grade 3 2017</u>** **Science 3A- Module 3: Basics of Weather and Weather Patterns** **Science 3A- Module 3: Eater Cycle: Precipitation** **Science 3A- Module 4: Cloud Formation II** **Science 3A- Module 4: Lightning and Electricity** **Science 3A- Module 4: Weather Extremes** **Science 3A- Module 5: Global Climate Zones** **Science 3A- Module 5: The Earth and Sun Relationship** **Science 3B- Module 1: Cycle of Seasons** **Science 3B- Module 1: Types of Climate and the Seasons**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-ESS2-2.**	**Obtain and combine information to describe climates in different regions of the world.**

		Science Grade 3 2017 **Science 3A- Module 1: Earth and Sun Concepts** **Science 3A- Module 3: Basics of Weather and Weather Patterns** **Science 3A- Module 5: Global Climate Zones** **Science 3A- Module 5: The Earth and Sun Relationship** **Science 3B- Module 1: Cycle of Seasons** **Science 3B- Module 1: Types of Climate and the Seasons** **Science 3B- Module 3: Classifying Ecosystems: Biomes** **Science 3B- Module 5: Characteristics of Life** **Science 3B- Module 6: Biodiversity and Extinction**
EALR	**WA.3-ESS.**	**EARTH AND SPACE SCIENCE**
BIG IDEA / CORE CONTENT	**3-ESS3.**	**Earth and Human Activity**
CORE CONTENT / CONTENT STANDARD		**Students who demonstrate understanding can:**
CONTENT STANDARD / PERFORMANCE EXPECTATION	**3-ESS3-1.**	**Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.** **Science Grade 3 2017** **Science 3A- Module 3: Basics of Weather and Weather Patterns** **Science 3A- Module 4: Lightning and Electricity** **Science 3A- Module 4: Weather Extremes**
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.** **Science Grade 3 2017** **Sceince 3B- Module 2: Magnetism** **Science 3A- Module 1: Devices to Tell Time** **Science 3A- Module 3: Basics of Weather and Weather Patterns** **Science 3B- Module 5: Characteristics of Life** **Science 3B- Module 5: Characteristics of Vertebrates and Invertebrates**
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.** **Science Grade 3 2017** **Sceince 3B- Module 2: Magnetism** **Science 3A- Module 1: Devices to Tell Time** **Science 3A- Module 3: Basics of Weather and Weather Patterns**

		Science 3B- Module 5: Characteristics of Life **Science 3B- Module 5: Characteristics of Vertebrates and Invertebrates**
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 3 2017</u>** **Sceince 3B- Module 2: Magnetism** **Science 3A- Module 1: Devices to Tell Time** **Science 3A- Module 3: Basics of Weather and Weather Patterns** **Science 3B- Module 5: Characteristics of Life** **Science 3B- Module 5: Characteristics of Vertebrates and Invertebrates**