Main Criteria: Next Generation Science Standards (NGSS)
Secondary Criteria: California Content Standards, Pennsylvania Core and Academic Standards
Subject: Science
Grade: K

Correlation Options: Show All

Main Criteria Standards	California Content Standards	Pennsylvania Core and Academic Standards
Science		
Grade K		
PERFORMANCE EXPECTATION: **K-PS2-1.** - Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.	**K-PS2-1.** - Plan and conduct an investigation to compare the effects of different strengths or **K-PS2-2.** - Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.	
PERFORMANCE EXPECTATION: **K-PS2-2.** - Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.	**K-PS2-1.** - Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object. **K-PS2-2.** - Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.	
PERFORMANCE EXPECTATION: **K-PS3-1.** - Make observations to determine the effect of sunlight on Earth's surface.	**K-PS3-1.** - Make observations to determine the effect of sunlight on Earth's surface. **K-PS3-2.** - Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.	**3.2.K.B6.** - ENERGY: Recognize that light from the sun is an important source of energy for living and nonliving systems and some source of energy is needed for all organisms to stay alive and grow.
PERFORMANCE EXPECTATION: **K-PS3-2.** - Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.	**K-PS3-1.** - Make observations to determine the effect of sunlight on Earth's surface. **K-PS3-2.** - Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.	**3.2.K.B3.** - Describe how temperature can affect the body.
PERFORMANCE EXPECTATION: **K-LS1-1.** - Use observations to describe patterns of what plants and animals (including humans) need to survive.	**K-ESS3-1.** - Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.	

	K-LS1-1. - Use observations to describe patterns of what plants and animals (including humans) need to survive.	
PERFORMANCE EXPECTATION: **K-ESS2-1.** - Use and share observations of local weather conditions to describe patterns over time.	**K-ESS2-1.** - Use and share observations of local weather conditions to describe patterns over time.	**3.3.K.A5a.** - Record daily weather conditions using simple charts and graphs. **3.3.K.A5b.** - Identify seasonal changes in the environment.
PERFORMANCE EXPECTATION: **K-ESS2-2.** - Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.	**K-ESS2-2.** - Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.	
PERFORMANCE EXPECTATION: **K-ESS3-1.** - Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.	**K-ESS3-1.** - Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live. **K-LS1-1.** - Use observations to describe patterns of what plants and animals (including humans) need to survive.	
PERFORMANCE EXPECTATION: **K-ESS3-2.** - Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.	**K-ESS3-2.** - Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.	
PERFORMANCE EXPECTATION: **K-ESS3-3.** - Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.	**K-ESS3-3.** - Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.	
PERFORMANCE EXPECTATION: **K-2-ETS1-1.** - Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	**K-2-ETS1-1.** - Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	**SI.1.** - Ask questions about objects, organisms, and events.

PERFORMANCE EXPECTATION: **K-2-ETS1-2.** - Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	**K-2-ETS1-2.** - Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	
PERFORMANCE EXPECTATION: **K-2-ETS1-3.** - Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	**K-2-ETS1-3.** - Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	