



DOMAIN: Science

NGSS/ Aspire Practices	OCS Code:	Standards and Benchmarks
Standard: K. Forces and Interactions: Pushes and Pulls: K-PS2 Motion and Stability: Forces and Interactions		
Practice 3	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-PS2-1.1b	Know the meaning of pushing, pulling, strength, direction, and movement of an object
	K-PS2-1.2b	Relate the strength or direction of an object being pushed and pulled to its movement
	K-PS2-1.3c	With support and guidance, investigate the changes in movement or direction of an object being pushed or pulled by following the steps of a very simple experiment
Practice 4	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-PS2-2.1c	With guidance and support, use data from a very simple model to predict whether speed will change when an object is pushed or pulled
	K-PS2-2.2c	With guidance and support, use data from a very simple model to predict whether direction will change when an object is pushed or pulled
Standard: K. Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment: K-LS1 From Molecules to Organisms: Structures and Processes		
Practice 4	K-LS1-1.	Use observations to describe patterns of what plants and animals (including humans) need to survive.
	K-LS1-1.1b	Find examples of foods and the conditions that plants need to survive
	K-LS1-1.2b	Categorize the types of foods and conditions that plants need to survive
	K-LS1-1.3b	With guidance and support, make observations that show how two different foods or conditions lead to the survival of plants
	K-LS1-1.4b	Find examples of foods and conditions that animals (including humans) need to survive
	K-LS1-1.5b	Categorize the types of foods and conditions that animals (including humans) need to survive
	K-LS1-1.6b	With guidance and support, make observations using information that show how two different foods or conditions lead to the survival of animals
Standard: K. Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment: K-EES2 Earth's System		
Practice 7	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-ESS2-2.1b	Show examples of several ways that animals (including humans) adapt their homes to survive
	K-ESS2-2.2b	Show examples of several ways that plants adapt their location to survive
Standard: K. Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment: K-ESS3 Earth and Human A		
Practice 2	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-ESS3-1.1b	Categorize foods and water needed by plants from two distinct ecosystems
	K-ESS3-1.2d	With guidance and support, create a model that shows how the food and water needed by plants change in two distinct ecosystems
	K-ESS3-1.3b	Categorize foods and water needed by animals (including humans) from two different ecosystems
	K-ESS3-1.4d	With guidance and support, create a model that shows how foods and water needed by animals (including humans) change in two distinct ecosystems
Practice 8	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.



NGSS/ Aspire Practices	OCS Code:	Standards and Benchmarks
	K-ESS3-3.1b	Find examples of ways people reuse natural resources found on the land, water, or air
	K-ESS3-3.2b	Categorize ways people reuse natural resources found on the land, water, or air
	K-ESS3-3.3b	With guidance and support, tell others about two ways that people reuse natural resources found on the land, water, or air
Standard: K. Weather and Climate: K-PS3 Energy		
Practice 3	K-PS3-1.	Make observations to determine the effect of sunlight on Earth's surface.
	K-PS3-1.1a	Identify plants that need various amounts of sunlight to survive
	K-PS3-1.2b	Categorize the types of plants that need different amounts of sunlight to survive
	K-PS3-1.3b	With guidance and support, measure the growth of one type of plant after varying the amount of sunlight
Practice 6	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-PS3-2.1a	Identify the characteristics of multiple materials that reduce the warming effect of sunlight
	K-PS3-2.2b	Categorize materials that should or should not reduce the warming effect of sunlight
	K-PS3-2.3d	With guidance and support, design a structure that reduces the warming effect of sunlight
	K-PS3-2.4c	With guidance and support, build a structure that reduces the warming effect of sunlight using appropriate tools and materials
Standard: K. Weather and Climate: K-EES2 Earth's Systems		
Practice 4	K-EES2-1.	Use and share observations of local weather conditions to describe patterns over time.
	K-EES2-1.1b	Find examples of weather conditions that change over time
	K-EES2-1.2b	With guidance and support, observe changes in one weather condition over time
	K-EES2-1.3c	With guidance and support, create a chart or graph which presents observations of one weather condition over time
Standard: K. Weather and Climate: K-ESS3 Earth and Human Activity		
Practice 1, 8	K-ESS3-2.	Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.
	K-ESS3-2.1a	Recognize the signs and sounds that alert people about severe weather
	K-ESS3-2.2b	Ask questions about the places at home and school which are safe during severe weather
	K-ESS3-2.3b	Ask questions about how a weather reporter can help to prepare for severe weather

BENCHMARK REPORT SCIENCE GRADE K



DOK
2
2
3
3
3
to
2
2
2
2
2
2
2
s
2
2
ctivity
2
4
2
4

BENCHMARK REPORT SCIENCE GRADE K



DOK
2
2
2
1
2
2
1
2
4
3
2
2
3
1
2
2