**PERFORMANCE EXPECTATIONS**

**MOTION AND STABILITY: FORCES AND INTERACTIONS**

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.

**MODULE-LESSON:**

Force and Motion>Lesson 2: When Objects Collide
>Launch Presentation>Elaborate>Inquiry Activity: Bottle Bowling
Force and Motion>Lesson 2: When Objects Collide
>Launch Presentation>Evaluate>Performance Task: Balls Colliding
Force and Motion>Lesson 2: When Objects Collide
>Launch Presentation>Explore>Inquiry Activity: Marbles Collide
Force and Motion>Lesson 3: Direction and Force
>Launch Presentation>Explore>Inquiry Activity: Changing the Way an Object Goes

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<td>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.*</td>
<td><strong>MODULE-LESSON:</strong> Force and Motion&gt;Lesson 2: When Objects Collide &gt;Launch Presentation&gt;Elaborate&gt;Inquiry Activity: Bottle Bowling Force and Motion&gt;Lesson 3: Direction and Force &gt;Launch Presentation&gt;Explore&gt;Inquiry Activity: Changing the Way an Object Goes</td>
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<td>Make observations to determine the effect of sunlight on Earth’s surface.</td>
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<td>Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.</td>
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<th>FROM MOLECULES TO ORGANISMS: STRUCTURES AND PROCESSES</th>
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<td>Use observations to describe patterns of what plants and animals (including humans) need to survive.</td>
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### PERFORMANCE EXPECTATIONS

#### EARTH'S SYSTEMS

| Use and share observations of local weather conditions to describe patterns over time. | MODULE-LESSON:  
Weather>Lesson 1: Describe Weather>Launch Presentation>Explore>Inquiry Activity: Weather Graph |
|---|---|
| Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs. | MODULE-LESSON:  
Impacts on Earth's Systems>Lesson 1: Plants Change Environments>Launch Presentation>Explain>Quick Check: Cause and Effect  
Impacts on Earth's Systems>Lesson 1: Plants Change Environments>Launch Presentation>Explain>Talk About It: How do plants change…  
Impacts on Earth's Systems>Lesson 2: Animals Change Environments>Launch Presentation>Evaluate>Performance Task: Beaver Dam  
Impacts on Earth's Systems>Lesson 2: Animals Change Environments>Launch Presentation>Evaluate>Inquiry Activity: Ant Farm  
Impacts on Earth's Systems>Lesson 3: People Change Environments>Launch Presentation>Explore>Inquiry Activity: School Changes  
Impacts on Earth's Systems>Module Wrap Up>Launch Presentation>Performance Project: Create a Poster |

#### EARTH AND HUMAN ACTIVITY

| Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live. | MODULE-LESSON:  
Plants and Animals>Lesson 3: Places Animals Grow>Launch Presentation>Elaborate>Inquiry Activity: Things Humans Need  
Plants and Animals>Lesson 3: Places Animals Grow>Launch Presentation>Evaluate>Performance Task: Habitat Model  
Plants and Animals>Module Wrap Up>Launch Presentation>Performance Project: Make a Diorama |
|---|---|
| Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather. | MODULE-LESSON:  
Weather>Lesson 3: ForecastingSevere Weather>Launch Presentation>Evaluate>Performance Task: Make a Video  
Weather>Lesson 3: ForecastingSevere Weather>Launch Presentation>Explain>Slideshow: Forecasting Weather |
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| Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment. | **MODULE-LESSON:**  
Protecting Our Earth>Lesson 2: Help Save Natural Resources>Launch Presentation>Evaluate>Performance Task: Help the Environment  
Protecting Our Earth>Lesson 3: Reduce, Reuse, Recycle>Launch Presentation>Evaluate>Performance Task: Reduce Trash Poster  
Protecting Our Earth>Module Wrap Up>Launch Presentation>Performance Project: What Natural Resources Do You Use? |