

Course: 1st Grade

Course Code: 5020010

Quarter 2

Topic of Study: Earth’s Resources, Matter

Big Ideas: 6. Earth Structures 8. Properties of Matter

Essential Questions: What can we find on earth? What can we observe about rocks? Where can we find water? What changes earth? What can we observe about objects? Which objects sink or float? How can we measure temperature?

Optional Teacher Background: ScienceSaurus Earth and Physical Science

[RESOURCES](#)

[SCIENCE CENTER](#)

NGSSS	Content	Targets
<p>Vocabulary: natural resources, rock, soil, stream, river, lake, ocean, earthquake, volcano, flood, erosion, weathering, drought</p>		
<p>Common Inquiry Labs:</p> <ul style="list-style-type: none"> ▪ <i>Science Fusion</i> Inquiry Flipchart “Clay in a Tray” & “Do People Eat Plants?” p. 11 ▪ <i>Science Fusion</i> Inquiry Flipchart “What Can We Observe About Rocks?” p. 12 ▪ <i>Science Fusion</i> Inquiry Flipchart “Pass the Salt” & “Water Watch” p. 13 ▪ <i>Science Fusion</i> Inquiry Flipchart “Earth Shake” & “Erosion Made Easy” p. 14 		<p>Graphic Organizers and Body Systems</p> <p>Daily Inquiry</p> <p>Experiment Logs</p> <p>Fusion Teacher Resources</p>
<p>SC.1.E.6.1 Recognize that water, rocks, soil, and living organisms are found on Earth’s surface. Cognitive Complexity: Low</p> <p>SC.1.E.6.2 Describe the need for water and how to be safe around water. Cognitive Complexity: Moderate</p> <p>SC.1.E.6.3 Recognize that some things in the world around us happen fast and some happen slowly. Cognitive Complexity: High</p>	<p>What can we find on earth?</p> <ul style="list-style-type: none"> ▪ Air ▪ Water ▪ Plant and Animals ▪ Rocks ▪ Soil <p>What can we observe about rocks?</p> <ul style="list-style-type: none"> ▪ Different sizes, shapes, and colors <p>Where can we find water?</p> <ul style="list-style-type: none"> ▪ Streams ▪ Rivers ▪ Lakes ▪ Oceans <p>What changes earth?</p> <ul style="list-style-type: none"> ▪ Earthquakes ▪ Volcanoes ▪ Weathering ▪ Erosion 	<ul style="list-style-type: none"> ▪ Recognize that water, rocks, soil, plants, and animals are found on Earth’s surface. ▪ Describe how people use natural resources. ▪ Identify where water is found on Earth. ▪ Explain that all plants, animals, and people need water. ▪ Describe how to be safe around water. ▪ Identify ways Earth’s surface changes. ▪ Compare and contrast fast and slow Earth changes. ▪ Explain how Earth surface changes affect living things.

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Vocabulary: matter, properties, texture, weight, temperature

Common Inquiry Labs:

- Science Fusion Inquiry Flipchart “Sort it Out!” & “What the weight?” p. 15
- Science Fusion Inquiry Flipchart “Which objects sink or float?” p. 16
- Science Fusion Inquiry Flipchart “How can we measure temperature?” p. 17

[Graphic Organizers and Body Systems](#)

[Daily Inquiry](#)

[Experiment Logs](#)

[Fusion Teacher Resources](#)

NGSS	Content	Targets
<p>SC.1.P.8.1 Sort objects by observable properties, such as size, shape, color, temperature (hot or cold), weight (heavy or light), texture, and whether objects sink or float. Cognitive Complexity: Moderate</p>	<p>What can we observe about objects?</p> <ul style="list-style-type: none"> ▪ All objects are made of matter. ▪ Properties of matter are size, shape, color, texture, weight, and temperature. <p>Which objects sink or float?</p> <ul style="list-style-type: none"> ▪ Sinks falls to the bottom of a liquid. ▪ Float stays on top of a liquid. 	<ul style="list-style-type: none"> ▪ Determine that everything around us is matter. ▪ Identify examples of physical properties. ▪ Observe objects and sort them by their properties. ▪ Observe objects to determine which objects sink and which ones float.

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	<p>How can we measure temperature?</p> <ul style="list-style-type: none">▪ A thermometer.	<ul style="list-style-type: none">▪ Sort objects into two groups: sink or float.▪ Compare observations with other children.▪ Sort objects based on temperature.▪ Determine that dark colors make things warmer.▪ Use a thermometer to measure temperature.