

Content Standard

3.1

Materials have properties that can be identified and described through the use of simple tests.

Third Grade

Conceptual Theme: Properties of Matter

Guiding Question: How does the structure of matter affect the properties and uses of materials?

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
Materials can be sorted and classified based on properties identified through simple tests.	How can we use tests to sort and classify materials?	B 1. Sort and classify materials based on properties such as dissolving in water, sinking and floating, conducting heat, and attracting to magnets.	B INQ.1 B INQ.2 B INQ.3 B INQ.4 B INQ.5 B INQ.6 B INQ.9 B INQ.10	Curriculum Embedded Performance Task: Soggy Paper	
Heating and cooling cause changes in some of the properties of materials.	How does heating cause changes in the properties of materials? How does cooling cause changes in the properties of materials?	B 2. Describe the effect of heating on the melting, evaporation, condensation and freezing of water.	B INQ.1 B INQ.2 B INQ.3 B INQ.4 B INQ.5 B INQ.6 B INQ.7 B INQ.9 B INQ.10	DSM - States of Matter FOSSWeb, Activity: Evaporation	

Content Standard

3.2

Third Grade

Conceptual Theme: Heredity and Evolution

Organisms can survive and reproduce only in environments that meet their basic needs.

Guiding Question: What processes are responsible for life's unity and diversity?

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
<p>Plants and animals have structures and behaviors that help them survive in different environments.</p>	<p>What do animals need to survive? (Review) What do plants need to survive? (Review) What are adaptations? What structures do animals have that help them survive in land habitats? What behaviors do animals have that help them survive in land habitats? What structures do plants have that help them survive in land habitats? What behaviors do plants have that help them survive in land habitats?</p>	<p>B 3. Describe how different plants and animals are adapted to obtain air, water, food and protection in specific land habitats.</p>	<p>B INQ.1 B INQ.2 B INQ.3 B INQ.4 B INQ.5 B INQ.6 B INQ.7 B INQ.8 B INQ.10</p>	<p>Adaptations Unit being Developed at LEARN</p>	
<p>Plants and animals have structures and behaviors that help them survive in different environments.</p>	<p>What do animals need to survive? (Review) What do plants need to survive? (Review) What are adaptations? What structures do animals have that help them survive in water habitats? What behaviors do animals have that help them survive in water habitats? What structures do plants have that help them survive in water habitats? What behaviors do plants have that help them survive in water habitats?</p>	<p>B 4. Describe how different plants and animals are adapted to obtain air, water, food and protection in water habitats.</p>	<p>B INQ.1 B INQ.2 B INQ.3 B INQ.4 B INQ.5 B INQ.6 B INQ.7 B INQ.8 B INQ.10</p>	<p>Adaptations Unit being Developed at LEARN</p>	

Content Standard

3.3

Earth Materials have different physical and chemical properties

Third Grade

Conceptual Theme: The Changing Earth

Guiding Question: How do materials cycle through the Earth's systems?

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
Rocks and minerals have properties that may be identified through observation and testing; these properties determine how earth materials are used.	What properties do rocks and minerals have that can be observed? What properties do rocks and minerals have that can be identified by testing. How do these properties relate to the use of rocks and minerals?	B 5. Describe the physical properties of rocks and relate them to their potential uses.	B INQ.1 B INQ.2 B INQ.3 B INQ.4 B INQ.5 B INQ.6 B INQ.7 B INQ.8 B INQ.9 B INQ.10	STC - Rocks & Minerals (All Lessons) FOSSWeb, Activity, Rock Database	
The properties of rocks relate to the environmental conditions during their formation.	What do the properties of rocks tell us about their formation?	B 6. Relate the properties of rocks to the possible environmental conditions during their formation.	B INQ.1 B INQ.2 B INQ.4 B INQ.5 B INQ.6 B INQ.7 B INQ.8 B INQ.9 B INQ.10	STC - Rocks & Minerals (L. 1, 2, 3)	

Content Standard

3.4

Earth materials provide resources for all living things, but these resources are limited and should be conserved.

Third Grade

Conceptual Theme: Science and Technology in Society

Guiding Question: How do science and technology affect the quality of our lives?

Concepts	Focus Questions	Expected Content Performance	Expected Inquiry Performance	Instructional Resources and Technology	Assessment
Decisions made by individuals can impact the global supply of many resources.	What are resources? How do individual decisions affect the supply of resources?	B 7. Describe and practice how earth materials can be conserved by reducing the quantities used, and by reusing and recycling materials rather than discarding them.	B INQ.1 B INQ.2 B INQ.3 B INQ.4 B INQ.5 B INQ.6 B INQ.7 B INQ.8 B INQ.9 B INQ.10	Curriculum Embedded Performance Task: Soggy Paper	
Earth materials are limited and can be conserved.	What can we do to conserve resources?	B 7. Describe how earth materials can be conserved by reducing the quantities used, and by reusing and recycling materials rather than discarding them.	B INQ.1 B INQ.2 B INQ.3 B INQ.4 B INQ.5 B INQ.6 B INQ.7 B INQ.8 B INQ.9 B INQ.10	Curriculum Embedded Performance Task: Soggy Paper	