

**Inquiry Investigations™**  
**Earth's Resources MODULE - 1287232**  
**Grades: 6-9**

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**California Content Standards**  
**Science**  
**Grade 6**

CONTENT STANDARD	CA.1. Earth Science: Plate Tectonics and Earth's Structure: Plate tectonics accounts for important features of Earth's surface and major geologic events. As a basis for understanding this concept:
PERFORMANCE STANDARD	1.a. Students know evidence of plate tectonics is derived from the fit of the continents; the location of earthquakes, volcanoes, and midocean ridges; and the distribution of fossils, rock types, and ancient climatic zones. <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	1.b. Students know Earth is composed of several layers: a cold, brittle lithosphere; a hot, convecting mantle; and a dense, metallic core. <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
PERFORMANCE STANDARD	1.c. Students know lithospheric plates the size of continents and oceans move at rates of centimeters per year in response to movements in the mantle. <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	1.d. Students know that earthquakes are sudden motions along breaks in the crust called faults and that volcanoes and fissures are locations where magma reaches the surface. <ul style="list-style-type: none"> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	1.e. Students know major geologic events, such as earthquakes, volcanic eruptions, and mountain building, result from plate motions. <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE	1.g. Students know how to determine the epicenter of an earthquake and know

STANDARD		<p>that the effects of an earthquake on any region vary, depending on the size of the earthquake, the distance of the region from the epicenter, the local geology, and the type of construction in the region.</p> <ul style="list-style-type: none"> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
CONTENT STANDARD	CA.2.	<p>Earth Science: Shaping Earth's Surface: Topography is reshaped by the weathering of rock and soil and by the transportation and deposition of sediment. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	2.a.	<p>Students know water running downhill is the dominant process in shaping the landscape, including California's landscape.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> </ul>
PERFORMANCE STANDARD	2.d.	<p>Students know earthquakes, volcanic eruptions, landslides, and floods change human and wildlife habitats.</p> <ul style="list-style-type: none"> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
CONTENT STANDARD	CA.4.	<p>Earth Science: Energy in the Earth System: Many phenomena on Earth's surface are affected by the transfer of energy through radiation and convection currents. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	4.c.	<p>Students know heat from Earth's interior reaches the surface primarily through convection.</p> <ul style="list-style-type: none"> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
CONTENT STANDARD	CA.6.	<p>Earth Science: Resources: Sources of energy and materials differ in amounts, distribution, usefulness, and the time required for their formation. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	6.b.	<p>Students know different natural energy and material resources, including air, soil, rocks, minerals, petroleum, fresh water, wildlife, and forests, and know how to classify them as renewable or nonrenewable.</p> <ul style="list-style-type: none"> <li>Virtual Laboratory: Mineral Identification</li> </ul>
PERFORMANCE STANDARD	6.c.	<p>Students know the natural origin of the materials used to make common objects.</p> <ul style="list-style-type: none"> <li>Virtual Laboratory: Mineral Identification</li> </ul>
CONTENT STANDARD	CA.7.	<p>Earth Science: Investigation and Experimentation: Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will:</p>
PERFORMANCE STANDARD	7.b.	<p>Select and use appropriate tools and technology (including calculators, computers, balances, spring scales, microscopes, and binoculars) to perform tests, collect data, and display data.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> </ul>

		<ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and Fracture</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 1: Soil Structure</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 2: Soil Horizons</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
<b>PERFORMANCE STANDARD</b>	<b>7.d.</b>	<p>Communicate the steps and results from an investigation in written reports and oral presentations.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness</li> </ul>

		<p>of a Mineral</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and Fracture</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 1: Soil Structure</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 2: Soil Horizons</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
<p><b>PERFORMANCE STANDARD</b></p>	<p>7.e.</p>	<p>Recognize whether evidence is consistent with a proposed explanation.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and Fracture</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and</li> </ul>

		<p>Identification</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 1: Soil Structure</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 2: Soil Horizons</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
PERFORMANCE STANDARD	7.g.	<p>Interpret events by sequence and time from natural phenomena (e.g., the relative ages of rocks and intrusions).</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Teacher Resource CD: Fossils and Geologic Time</li> </ul>
PERFORMANCE STANDARD	7.h.	<p>Identify changes in natural phenomena over time without manipulating the phenomena (e.g., a tree limb, a grove of trees, a stream, a hillslope).</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and Fracture</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> </ul>

California Content Standards  
 Science  
 Grade 7

CONTENT STANDARD	CA.3.	Life Science: Evolution: Biological evolution accounts for the diversity of species developed through gradual processes over many generations. As
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		a basis for understanding this concept:
PERFORMANCE STANDARD	3.c.	<p>Students know how independent lines of evidence from geology, fossils, and comparative anatomy provide the bases for the theory of evolution.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Fossils and Geologic Time</li> </ul>
CONTENT STANDARD	CA.4.	Life Science: Earth and Life History (Earth Science): Evidence from rocks allows us to understand the evolution of life on Earth. As a basis for understanding this concept:
PERFORMANCE STANDARD	4.a.	<p>Students know Earth processes today are similar to those that occurred in the past and slow geologic processes have large cumulative effects over long periods of time.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Fossils and Geologic Time</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	4.b.	<p>Students know the history of life on Earth has been disrupted by major catastrophic events, such as major volcanic eruptions or the impacts of asteroids.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> </ul>
PERFORMANCE STANDARD	4.c.	<p>Students know that the rock cycle includes the formation of new sediment and rocks and that rocks are often found in layers, with the oldest generally on the bottom.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Teacher Resource CD: Fossils and Geologic Time</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	4.d.	<p>Students know that evidence from geologic layers and radioactive dating indicates Earth is approximately 4.6 billion years old and that life on this</p>

		<p>planet has existed for more than 3 billion years.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Fossils and Geologic Time</li> </ul>
PERFORMANCE STANDARD	4.e.	<p>Students know fossils provide evidence of how life and environmental conditions have changed.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Fossils and Geologic Time</li> </ul>
PERFORMANCE STANDARD	4.f.	<p>Students know how movements of Earth's continental and oceanic plates through time, with associated changes in climate and geographic connections, have affected the past and present distribution of organisms.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> </ul>
PERFORMANCE STANDARD	4.g.	<p>Students know how to explain significant developments and extinctions of plant and animal life on the geologic time scale.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Fossils and Geologic Time</li> </ul>
CONTENT STANDARD	CA.6.	<p>Life Science: Physical Principles in Living Systems (Physical Science): Physical principles underlie biological structures and functions. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	6.f.	<p>Students know light can be reflected, refracted, transmitted, and absorbed by matter.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	6.g.	<p>Students know the angle of reflection of a light beam is equal to the angle of incidence.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>

		<ul style="list-style-type: none"> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
<b>CONTENT STANDARD</b>	<b>CA.7.</b>	Life Science: Investigation and Experimentation: Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will:
<b>PERFORMANCE STANDARD</b>	<b>7.a.</b>	<p>Select and use appropriate tools and technology (including calculators, computers, balances, spring scales, microscopes, and binoculars) to perform tests, collect data, and display data.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness of a Mineral</li> <li>Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and Fracture</li> <li>Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>Earth Resources: Unit 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <li>Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>Earth Resources: Unit 4 Lab 7 Activity 1: Soil Structure</li> <li>Earth Resources: Unit 4 Lab 7 Activity 2: Soil Horizons</li> <li>Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>Virtual Laboratory: Mineral Identification</li> </ul>
<b>PERFORMANCE STANDARD</b>	<b>7.c.</b>	Communicate the logical connection among hypotheses, science concepts, tests conducted, data collected, and conclusions drawn from the scientific evidence.



		<ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and Fracture</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 1: Soil Structure</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 2: Soil Horizons</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
<p><b>PERFORMANCE STANDARD</b></p>	<p>7.e.</p>	<p>Communicate the steps and results from an investigation in written reports and oral presentations.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> </ul>

		<ul style="list-style-type: none"> <li>• Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and Fracture</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 1: Soil Structure</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 2: Soil Horizons</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
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California Content Standards  
Science  
Grade 8

CONTENT STANDARD	CA.3.	Physical Science: Structure of Matter: Each of the more than 100 elements of matter has distinct properties and a distinct atomic structure. All forms of matter are composed of one or more of the elements. As a basis for understanding this concept:
PERFORMANCE STANDARD	3.b.	<p>Students know that compounds are formed by combining two or more different elements and that compounds have properties that are different from their constituent elements.</p> <ul style="list-style-type: none"> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
CONTENT STANDARD	CA.5.	Physical Science: Reactions: Chemical reactions are processes in which atoms are rearranged into different combinations of molecules. As a basis for understanding this concept:
PERFORMANCE STANDARD	5.a.	<p>Students know reactant atoms and molecules interact to form products with different chemical properties.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> </ul>

		<ul style="list-style-type: none"> <li>Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>
PERFORMANCE STANDARD	5.d.	<p>Students know physical processes include freezing and boiling, in which a material changes form with no chemical reaction.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> </ul>
CONTENT STANDARD	CA.7.	<p>Physical Science: Periodic Table: The organization of the periodic table is based on the properties of the elements and reflects the structure of atoms. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	7.c.	<p>Students know substances can be classified by their properties, including their melting temperature, density, hardness, and thermal and electrical conductivity.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness of a Mineral</li> <li>Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and Fracture</li> <li>Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>Earth Resources: Unit 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <li>Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> <li>Virtual Laboratory: Mineral Identification</li> </ul>
CONTENT STANDARD	CA.8.	<p>Physical Science: Density and Buoyancy: All objects experience a buoyant force when immersed in a fluid. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	8.a.	<p>Students know density is mass per unit volume.</p>

		<ul style="list-style-type: none"> <li>Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> </ul>
PERFORMANCE STANDARD	8.b.	<p>Students know how to calculate the density of substances (regular and irregular solids and liquids) from measurements of mass and volume.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> </ul>
CONTENT STANDARD	CA.9.	<p>Physical Science: Investigation and Experimentation: Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will:</p>
PERFORMANCE STANDARD	9.f.	<p>Apply simple mathematic relationships to determine a missing quantity in a mathematic expression, given the two remaining terms (including speed = distance/time, density = mass/volume, force = pressure x area, volume = area x height).</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> </ul>

California Content Standards  
Science  
Grade 9

CONTENT STANDARD	CA.4.	<p>Physics: Waves: Waves have characteristic properties that do not depend on the type of wave. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	4.b.	<p>Students know how to identify transverse and longitudinal waves in mechanical media, such as springs and ropes, and on the earth (seismic waves).</p> <ul style="list-style-type: none"> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
CONTENT STANDARD	CA.4.	<p>Chemistry: Gases and Their Properties: The kinetic molecular theory describes the motion of atoms and molecules and explains the properties of gases. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	4.d.	<p>Students know the values and meanings of standard temperature and pressure (STP).</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> </ul>
CONTENT STANDARD	CA.5.	<p>Chemistry: Acids and Bases: Acids, bases, and salts are three classes of compounds that form ions in water solutions. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	5.a.	<p>Students know the observable properties of acids, bases, and salt solutions.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>
PERFORMANCE STANDARD	5.b.	<p>Students know acids are hydrogen-ion-donating and bases are hydrogen-ion-accepting substances.</p>

		<ul style="list-style-type: none"> <li>Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>
PERFORMANCE STANDARD	5.c.	<p>Students know strong acids and bases fully dissociate and weak acids and bases partially dissociate.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>
CONTENT STANDARD	CA.8.	<p>Biology/Life Sciences: Evolution: Evolution is the result of genetic changes that occur in constantly changing environments. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	8.e.	<p>Students know how to analyze fossil evidence with regard to biological diversity, episodic speciation, and mass extinction.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>Teacher Resource CD: Fossils and Geologic Time</li> </ul>
PERFORMANCE STANDARD	8.g.	<p>Students know how several independent molecular clocks, calibrated against each other and combined with evidence from the fossil record, can help to estimate how long ago various groups of organisms diverged evolutionarily from one another.</p> <ul style="list-style-type: none"> <li>Teacher Resource CD: Fossils and Geologic Time</li> </ul>
CONTENT STANDARD	CA.1.	<p>Earth Sciences: Earth's Place in the Universe: Astronomy and planetary exploration reveal the solar system's structure, scale, and change over time. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	1.c.	<p>Students know the evidence from geological studies of Earth and other planets suggest that the early Earth was very different from Earth today.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>Teacher Resource CD: Fossils and Geologic Time</li> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
CONTENT STANDARD	CA.3.	<p>Earth Sciences: Dynamic Earth Processes: Plate tectonics operating over geologic time has changed the patterns of land, sea, and mountains on Earth's surface. As the basis for understanding this concept:</p>
PERFORMANCE STANDARD	3.a.	<p>Students know features of the ocean floor (magnetic patterns, age, and sea-floor topography) provide evidence of plate tectonics.</p> <ul style="list-style-type: none"> <li>Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	3.b.	<p>Students know the principal structures that form at the three different kinds of plate boundaries.</p>

		<ul style="list-style-type: none"> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	3.c.	<p>Students know how to explain the properties of rocks based on the physical and chemical conditions in which they formed, including plate tectonic processes.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
PERFORMANCE STANDARD	3.d.	<p>Students know why and how earthquakes occur and the scales used to measure their intensity and magnitude.</p> <ul style="list-style-type: none"> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
CONTENT STANDARD	CA.9.	<p>Earth Sciences: California Geology: The geology of California underlies the state's wealth of natural resources as well as its natural hazards. As a basis for understanding this concept:</p>
PERFORMANCE STANDARD	9.a.	<p>Students know the resources of major economic importance in California and their relation to California's geology.</p> <ul style="list-style-type: none"> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
CONTENT STANDARD	CA.1.	<p>Investigation and Experimentation: Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other four strands, students should develop their own questions and perform investigations. Students will:</p>
PERFORMANCE STANDARD	1.a.	<p>Select and use appropriate tools and technology (such as computer-linked probes, spreadsheets, and graphing calculators) to perform tests, collect data, analyze relationships, and display data.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 1: The Rock Cycle</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 4: Crystallization</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 1: Identifying Mineral Color</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 2: Mineral Luster</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 3: The Streak of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 4: Testing the Hardness of a Mineral</li> <li>• Earth Resources: Unit 2 Lab 3 Activity 5: Cleavage and</li> </ul>

		<p>Fracture</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 2: Chemical Analysis of Minerals</li> <li>• Earth Resources: Unit 2 Lab 4 Activity 3: Using the Flame Test to Identify Unknown Mineral Samples</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 1: Soil Structure</li> <li>• Earth Resources: Unit 4 Lab 7 Activity 2: Soil Horizons</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
PERFORMANCE STANDARD	1.e.	<p>Solve scientific problems by using quadratic equations and simple trigonometric, exponential, and logarithmic functions.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> </ul>
PERFORMANCE STANDARD	1.f.	<p>Distinguish between hypothesis and theory as scientific terms.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> </ul>
PERFORMANCE STANDARD	1.g.	<p>Recognize the usefulness and limitations of models and theories as scientific representations of reality.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 1 Lab 1 Activity 2: Creating a Sedimentary Rock</li> <li>• Earth Resources: Unit 1 Lab 1 Activity 3: Effects of Heat and Pressure on Rock Layers</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 1: Igneous Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 2: Sedimentary Rocks</li> <li>• Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>
PERFORMANCE STANDARD	1.i.	<p>Analyze the locations, sequences, or time intervals that are characteristic of natural phenomena (e.g., relative ages of rocks, locations of planets over time, and succession of species in an ecosystem).</p>

		<ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 2: Fossil Sorting and Identification</li> <li>• Earth Resources: Unit 3 Lab 5 Activity 3: Fossil Formation - Preparing Molds and Casts</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Fossils and Geologic Time</li> </ul>
PERFORMANCE STANDARD	1.k.	<p>Recognize the cumulative nature of scientific evidence.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>

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