

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

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**Texas Essential Knowledge and Skills (TEKS)**  
**Science**  
**Grade 6**

TEKS	TX.112.22 (6.1)	Scientific Processes: The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.
<b>STUDENT EXPECTATION</b>	<b>6.1. (A)</b>	<p>The student is expected to demonstrate safe practices during field and laboratory investigations.</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> </ul>

		<ul style="list-style-type: none"> <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> </ul>
TEKS	TX.112.22 (6.2)	Scientific Processes: The student uses scientific inquiry methods during field and laboratory investigations.
STUDENT EXPECTATION	6.2. (A)	<p>The student is expected to plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology.</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> </ul>

		<ul style="list-style-type: none"> <li>Virtual Laboratory: Mineral Identification</li> </ul>
STUDENT EXPECTATION	6.2. (B)	<p>The student is expected to collect data by observing and measuring.</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>
STUDENT EXPECTATION	6.2. (C)	<p>The student is expected to analyze and interpret information to construct reasonable explanations from direct and indirect evidence.</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</li> </ul>

		<p>and Pressure on Rock Layers</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 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>
STUDENT EXPECTATION	6.2. (D)	<p>The student is expected to communicate valid conclusions.</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> </ul>

		<ul style="list-style-type: none"> <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>
TEKS	TX.112.22 (6.3)	Scientific Processes: The student uses critical thinking and scientific problem solving to make informed decisions.
STUDENT EXPECTATION	6.3. (A)	<p>The student is expected to analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> </ul>
STUDENT EXPECTATION	6.3. (C)	<p>The student is expected to represent the natural world using models and identify their limitations.</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> </ul>

		<ul style="list-style-type: none"> <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>
STUDENT EXPECTATION	6.3. (E)	<p>The student is expected to connect Grade 6 science concepts with the history of science and contributions of scientists.</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 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
TEKS	TX.112.22 (6.4)	Scientific Processes: The student knows how to use a variety of tools and methods to conduct science inquiry.
STUDENT EXPECTATION	6.4. (A)	<p>The student is expected to collect, analyze, and record information using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, timing devices, hot plates, test tubes, safety goggles, spring scales, magnets, balances, microscopes, telescopes, thermometers, calculators, field equipment, compasses, computers, and computer probes.</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> </ul>

		<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>
<b>TEKS</b>	<b>TX.112.22 (6.5)</b>	<b>Scientific Concepts: The student knows that systems may combine with other systems to form a larger system.</b>
<b>STUDENT EXPECTATION</b>	<b>6.5. (A)</b>	<p>The student is expected to identify and describe a system that results from the combination of two or more systems such as in the solar system.</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 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 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>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
<b>STUDENT EXPECTATION</b>	<b>6.5. (B)</b>	<p>The student is expected to describe how the properties of a system are different from the properties of its parts.</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 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 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> </ul>

		<ul style="list-style-type: none"> <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>
<b>TEKS</b>	<b>TX.112.22 (6.6)</b>	<b>Science Concepts: The student knows that there is a relationship between force and motion.</b>
<b>STUDENT EXPECTATION</b>	<b>6.6. (C)</b>	<p>The student is expected to identify forces that shape features of the Earth including uplifting, movement of water, and volcanic activity.</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 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: Rocks, Minerals, and Earth Processes</li> </ul>
<b>TEKS</b>	<b>TX.112.22 (6.7)</b>	<b>Science Concepts: The student knows that substances have physical and chemical properties.</b>
<b>STUDENT EXPECTATION</b>	<b>6.7. (A)</b>	<p>The student is expected to demonstrate that new substances can be made when two or more substances are chemically combined and compare the properties of the new substances to the original substances.</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> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
<b>STUDENT EXPECTATION</b>	<b>6.7. (B)</b>	<p>The student is expected to classify substances by their physical and chemical properties.</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</li> </ul>

		<p>Rocks</p> <ul style="list-style-type: none"> <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>
<b>TEKS</b>	<b>TX.112.22 (6.14)</b>	<b>Science Concepts: The student knows the structures and functions of Earth systems.</b>
<b>STUDENT EXPECTATION</b>	<b>6.14. (A)</b>	<p>The student is expected to summarize the rock cycle.</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: Rocks, Minerals, and Earth Processes</li> </ul>

**Texas Essential Knowledge and Skills (TEKS)**  
**Science**  
**Grade 7**

<b>TEKS</b>	<b>TX.112.23 (7.1)</b>	<b>Scientific Processes: The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.</b>
<b>STUDENT EXPECTATION</b>	<b>7.1. (A)</b>	<p>The student is expected to demonstrate safe practices during field and laboratory investigations.</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</li> </ul>

		<p>Rocks</p> <ul style="list-style-type: none"> <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> </ul>
<b>TEKS</b>	<b>TX.112.23 (7.2)</b>	<b>Scientific Processes: The student uses scientific inquiry methods during field and laboratory investigations.</b>
<b>STUDENT EXPECTATION</b>	<b>7.2. (A)</b>	<p>The student is expected to plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology.</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</li> </ul>

		<p>Hardness 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>
STUDENT EXPECTATION	7.2. (B)	<p>The student is expected to collect data by observing and measuring.</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> </ul>

		<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 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>STUDENT EXPECTATION</b></p>	<p>7.2. (C)</p>	<p>The student is expected to organize, analyze, make inferences, and predict trends from direct and indirect evidence.</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</li> </ul>

		<p>Weathering</p> <ul style="list-style-type: none"> <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>• Teacher Resource CD: Fossils and Geologic Time</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
STUDENT EXPECTATION	7.2. (D)	<p>The student is expected to communicate valid conclusions.</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>

TEKS	TX.112.23 (7.3)	Scientific Processes: The student uses critical thinking and scientific problem solving to make informed decisions.
STUDENT EXPECTATION	7.3. (A)	<p>The student is expected to analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> </ul>
STUDENT EXPECTATION	7.3. (C)	<p>The student is expected to represent the natural world using models and identify their limitations.</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>
STUDENT EXPECTATION	7.3. (E)	<p>The student is expected to connect Grade 7 science concepts with the history of science and contributions of scientists.</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 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
TEKS	TX.112.23 (7.4)	Scientific Processes: The student knows how to use tools and methods to conduct science inquiry.
STUDENT EXPECTATION	7.4. (A)	<p>The student is expected to collect, analyze, and record information to explain a phenomenon using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, hot plates, dissecting equipment, test tubes, safety goggles, spring scales, balances, microscopes, telescopes, thermometers, calculators, field equipment, computers, computer probes, timing devices, magnets, and compasses.</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> </ul>

		<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 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>
TEKS	TX.112.23 (7.7)	Science Concepts: The student knows that substances have physical and chemical properties.
STUDENT EXPECTATION	7.7. (C)	<p>The student is expected to recognize that compounds are composed of elements.</p> <ul style="list-style-type: none"> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
TEKS	TX.112.23 (7.14)	Science Concepts: The student knows that natural events and human activity can alter Earth systems.
STUDENT EXPECTATION	7.14. (A)	<p>The student is expected to describe and predict the impact of different catastrophic events on the Earth.</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</li> </ul>

		<p>and Pressure on Rock Layers</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 2 Lab 4 Activity 1: Idiochromatic and Allochromatic Minerals</li> <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>
<b>STUDENT EXPECTATION</b>	<b>7.14. (B)</b>	<p>The student is expected to analyze effects of regional erosional deposition and weathering.</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 4 Lab 6 Activity 1: Mechanical Weathering</li> <li>• Earth Resources: Unit 4 Lab 6 Activity 2: Chemical Weathering</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>

**Texas Essential Knowledge and Skills (TEKS)**

**Science**

**Grade 8**

<b>TEKS</b>	<b>TX.112.24 (8.1)</b>	<b>Scientific Processes: The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.</b>
<b>STUDENT EXPECTATION</b>	<b>8.1. (A)</b>	<p>The student is expected to demonstrate safe practices during field and laboratory investigations.</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> </ul>

		<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 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> </ul>
TEKS	TX. 112.24 (8.2)	Scientific Processes: The student uses scientific inquiry methods during field and laboratory investigations.
STUDENT EXPECTATION	8.2. (A)	<p>The student is expected to plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology.</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>
STUDENT EXPECTATION	8.2. (B)	<p>The student is expected to collect data by observing and measuring.</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> </ul>

		<ul style="list-style-type: none"> <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>
STUDENT EXPECTATION	8.2. (C)	<p>The student is expected to organize, analyze, evaluate, make inferences, and predict trends from direct and indirect evidence.</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>• Teacher Resource CD: Fossils and Geologic Time</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
STUDENT EXPECTATION	8.2. (D)	<p>The student is expected to communicate valid conclusions.</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>TEKS</b>	<b>TX.112.24 (8.3)</b>	<b>Scientific Processes: The student uses critical thinking and scientific problem solving to make informed decisions.</b>
<b>STUDENT EXPECTATION</b>	<b>8.3. (A)</b>	<p>The student is expected to analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> </ul>
<b>STUDENT EXPECTATION</b>	<b>8.3. (C)</b>	The student is expected to represent the natural world using models

		<p>and identify their limitations.</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>
STUDENT EXPECTATION	8.3. (E)	<p>The student is expected to connect Grade 8 science concepts with the history of science and contributions of scientists.</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 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
TEKS	TX.112.24 (8.4)	<p>Scientific Processes: The student knows how to use a variety of tools and methods to conduct science inquiry.</p>
STUDENT EXPECTATION	8.4. (A)	<p>The student is expected to collect, record, and analyze information using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, hot plates, dissecting equipment, test tubes, safety goggles, spring scales, balances, microscopes, telescopes, thermometers, calculators, field equipment, computers, computer probes, water test kits, and timing devices.</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> </ul>

		<ul style="list-style-type: none"> <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>
STUDENT EXPECTATION	8.4. (B)	<p>The student is expected to extrapolate from collected information to make predictions.</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> </ul>

		<ul style="list-style-type: none"> <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>TEKS</b>	<b>TX.112.24 (8.5)</b>	<b>Scientific Processes: The student knows that relationships exist between science and technology.</b>
<b>STUDENT EXPECTATION</b>	<b>8.5. (B)</b>	<p>The student is expected to design and test a model to solve the problem.</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>
<b>STUDENT EXPECTATION</b>	<b>8.5. (C)</b>	<p>The student is expected to evaluate the model and make recommendations for improving the model.</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> </ul>

		<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 8 Activity 1: Recreating Pangaea</li> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>
<b>TEKS</b>	<b>TX.112.24 (8.6)</b>	<b>Science Concepts: The student knows that interdependence occurs among living systems.</b>
<b>STUDENT EXPECTATION</b>	<b>8.6. (B)</b>	<p>The student is expected to identify feedback mechanisms that maintain equilibrium of systems such as body temperature, turgor pressure, and chemical reactions.</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 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 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>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
<b>TEKS</b>	<b>TX.112.24 (8.9)</b>	<b>Science Concepts: The student knows that substances have chemical and physical properties.</b>
<b>STUDENT EXPECTATION</b>	<b>8.9. (A)</b>	<p>The student is expected to demonstrate that substances may react chemically to form new substances.</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> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>
<b>STUDENT EXPECTATION</b>	<b>8.9. (C)</b>	<p>The student is expected to recognize the importance of formulas and equations to express what happens in a chemical reaction.</p> <ul style="list-style-type: none"> <li>• Virtual Laboratory: Mineral Identification</li> </ul>

<b>TEKS</b>	<b>TX.112.24 (8.10)</b>	<b>Science Concepts: The student knows that complex interactions occur between matter and energy.</b>
<b>STUDENT EXPECTATION</b>	<b>8.10. (B)</b>	<p>The student is expected to describe interactions among solar, weather, and ocean systems.</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 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>TEKS</b>	<b>TX.112.24 (8.12)</b>	<b>Science Concepts: The student knows that cycles exist in Earth systems.</b>
<b>STUDENT EXPECTATION</b>	<b>8.12. (A)</b>	<p>The student is expected to analyze and predict the sequence of events in the lunar and rock cycles.</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: Rocks, Minerals, and Earth Processes</li> </ul>
<b>TEKS</b>	<b>TX.112.24 (8.14)</b>	<b>Science Concepts: The student knows that natural events and human activities can alter Earth systems.</b>
<b>STUDENT EXPECTATION</b>	<b>8.14. (A)</b>	<p>The student is expected to predict land features resulting from gradual changes such as mountain building, beach erosion, land subsidence, and continental drift.</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 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>

		<ul style="list-style-type: none"> <li>Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
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Texas Essential Knowledge and Skills (TEKS)  
Science  
Grade 9

TEKS	TX.112.42 (9.1)	Integrated Physics and Chemistry: Scientific processes: The student, for at least 40% of instructional time, conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.
STUDENT EXPECTATION	9.1. (A)	<p>The student is expected to demonstrate safe practices during field and laboratory investigations.</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> </ul>

TEKS	TX.112.42 (9.2)	Integrated Physics and Chemistry: Scientific Processes: The student uses scientific methods during field and laboratory investigations.
STUDENT EXPECTATION	9.2. (B)	<p>The student is expected to collect data and make measurements with precision.</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>
TEKS	TX.112.42 (9.3)	Integrated Physics and Chemistry: Scientific Processes: The student uses critical thinking and scientific problem solving to make informed decisions.
STUDENT EXPECTATION	9.3. (E)	The student is expected to research and describe the history of physics, chemistry, and contributions of scientists.

		<ul style="list-style-type: none"> <li>• Earth Resources: Unit 3 Lab 5 Activity 1: Fossils and Geologic Time</li> <li>• Earth Resources: Unit 4 Lab 8 Activity 1: Recreating Pangaea</li> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
<b>TEKS</b>	<b>TX.112.42 (9.5)</b>	<b>Integrated Physics and Chemistry: Science Concepts: The student knows the effects of waves on everyday life.</b>
<b>STUDENT EXPECTATION</b>	<b>9.5. (B)</b>	<p>The student is expected to demonstrate wave interactions including interference, polarization, reflection, refraction, and resonance within various materials.</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>
<b>TEKS</b>	<b>TX.112.42 (9.6)</b>	<b>Integrated Physics and Chemistry: Science Concepts: The student knows the impact of energy transformations in everyday life.</b>
<b>STUDENT EXPECTATION</b>	<b>9.6. (H)</b>	<p>The student is expected to analyze the effects of heating and cooling processes in systems such as weather, living, and mechanical.</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> </ul>
<b>TEKS</b>	<b>TX.112.42 (9.7)</b>	<b>Integrated Physics and Chemistry: Science Concepts: The student knows relationships exist between properties of matter and its components.</b>
<b>STUDENT EXPECTATION</b>	<b>9.7. (A)</b>	<p>The student is expected to investigate and identify properties of fluids including density, viscosity, and buoyancy.</p> <ul style="list-style-type: none"> <li>• Earth Resources: Unit 2 Lab 3 Activity 6: Specific Gravity</li> </ul>
<b>STUDENT EXPECTATION</b>	<b>9.7. (D)</b>	<p>The student is expected to relate the chemical behavior of an element including bonding, to its placement on the periodic table.</p> <ul style="list-style-type: none"> <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>
<b>STUDENT EXPECTATION</b>	<b>9.7. (E)</b>	<p>The student is expected to classify samples of matter from everyday life as being elements, compounds, or mixtures.</p> <ul style="list-style-type: none"> <li>• Virtual Laboratory: Mineral Identification</li> </ul>
<b>TEKS</b>	<b>TX.112.42 (9.8)</b>	<b>Integrated Physics and Chemistry: Science Concepts: The student knows that changes in matter affect everyday life.</b>
<b>STUDENT EXPECTATION</b>	<b>9.8. (A)</b>	<p>The student is expected to distinguish between physical and chemical changes in matter such as oxidation, digestion, changes in states, and stages in the rock cycle.</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 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> </ul>
STUDENT EXPECTATION	9.8. (B)	<p>The student is expected to analyze energy changes that accompany chemical reactions such as those occurring in heat packs, cold packs, and glow sticks to classify them as endergonic or exergonic reactions.</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> <li>• Earth Resources: Unit 5 Lab 9 Activity 1: Geology Dig</li> </ul>
TEKS	TX.112.42 (9.9)	<b>Integrated Physics and Chemistry: Science Concepts: The student knows how solution chemistry is a part of everyday life.</b>
STUDENT EXPECTATION	9.9. (B)	<p>The student is expected to relate the concentration of ions in a solution to physical and chemical properties such as pH, electrolytic behavior, and reactivity.</p> <ul style="list-style-type: none"> <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>
STUDENT EXPECTATION	9.9. (C)	<p>The student is expected to simulate the effects of acid rain on soil, buildings, statues, or microorganisms.</p> <ul style="list-style-type: none"> <li>• Teacher Resource CD: Rocks, Minerals, and Earth Processes</li> </ul>
STUDENT EXPECTATION	9.9. (D)	<p>The student is expected to demonstrate how various factors influence solubility including temperature, pressure, and nature of the solute and solvent.</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</li> </ul>

		<ul style="list-style-type: none"> <li>Rocks</li> <li>Earth Resources: Unit 1 Lab 2 Activity 3: Metamorphic Rocks</li> </ul>
TEKS	TX.112.43 (9.1)	Biology: Scientific Processes: The student, for at least 40% of instructional time, conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.
STUDENT EXPECTATION	9.1. (A)	<p>The student is expected to demonstrate safe practices during field and laboratory investigations.</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> </ul>
TEKS	TX.112.43 (9.2)	Biology: Scientific Processes: The student uses scientific methods during field and laboratory investigations.
STUDENT	9.2. (C)	The student is expected to organize, analyze, evaluate, make

EXPECTATION		<p>inferences, and predict trends from 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>
TEKS	TX.112.43 (9.7)	Biology: Science Concepts: The student knows the theory of biological evolution.
STUDENT EXPECTATION	9.7. (A)	<p>The student is expected to identify evidence of change in species using fossils, DNA sequences, anatomical similarities, physiological similarities, and embryology.</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 3 Lab 5 Activity 1: Fossils and Geologic Time</li> </ul>

		<ul style="list-style-type: none"><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></ul>
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