

<b>Grade 1</b>	<b>Lesson: Rocks and Soil – Part 1</b>	Reference to English Interconnections Lesson <b>Rocks and Soil</b> pg. 55
<b>Science Standard(s): Standard 2.1 Earth and Space Science</b>		
<b>Content Objective(s):</b>		<b>Language Objective(s):</b>
Students will draw three ways rocks are used on their paper by themselves. <i>I can draw three things made from rocks on my paper by myself.</i>		Students will use complete sentences to tell three uses of rocks during bicycle chain to their partner. <i>I can say three sentences naming things made from rocks to my friend.</i>
<b>Essential Questions:</b> How can we investigate the natural world at school?		<b>Required Academic Vocabulary for Word Wall:</b> <b>Listen:</b> rock <b>Speak:</b> rock <b>Read:</b> <b>Write:</b> <b>Sentence Frames:</b> _____ is made from rock. _____ is not made from rock.
<b>Materials:</b> <ul style="list-style-type: none"> <li>• Rock Hunt worksheet – 1 per student</li> <li>• Items made from rock- such as salt, glass, chalk, penny, metal spoon, screws, scissors sheet rock, brick, jewelry, pop can, glasses, nail, etc.</li> <li>• Items NOT made from rock- such as paper, cloth, wood block, feather, leaf, flower, seed, etc.</li> <li>• Any rocks from outside.</li> <li>• Sign labeled “Made from rock” with a picture of a rock on it</li> <li>• Sign labeled “Not made from rock” with a picture of a rock crossed out on it</li> <li>• Optional: Book about the uses of rocks</li> <li>• Optional: Pictures of other items made from rocks</li> </ul>		<b>Additional Lesson Vocabulary:</b> sand, metal, glass, chalk, table, leg, spoon, glass, penny, screw, paper, wood block, feather (whatever items you choose to use in the game)  <b>Review Vocabulary:</b>
<b>Lesson: Rocks and Soil</b>		<b>Instructional Time: 35 minutes</b>
<p><b>Opening: (5 minutes)</b></p> <ul style="list-style-type: none"> <li>• Show students a large rock along with a large picture of a rock, labeled ROCK.</li> </ul> <p><b>T: “Today we are talking about ROCKS! You learned some about rocks last year. What can you tell me about rocks? (Write their responses on the board in a word web around the picture and label ROCK.)</b>  <i>S: “Rocks are hard. Some are hard. Some are smooth. Some are big. Some are little. Etc.”</i></p> <ul style="list-style-type: none"> <li>• Be sure to mention hard, rough, smooth, big, small, many colors, many uses</li> </ul> <p><b>T: “Today we will learn about what things are made from rocks. You may be surprised. You don’t have to learn them all, just know that lots of things come from rocks. When we are done, you will draw three things made from rocks. You will also tell a partner in complete sentences your three things made from rocks. “</b></p> <p><b>Introduction to New Material (Direct Instruction): (13-18 minutes)</b></p> <p>Optional: Book about uses of rocks. The core curriculum says to “gather evidence about the uses of rocks”. They can gather evidence from information text and experiences with real items. A book is a great way to introduce many items.</p> <p><b>T: “We’re going to play a little guessing game. I’ll show you an item or a picture. You’ll whisper to a neighbor if you think it is made from rock or not made from rock.” (Show two signs. One has a picture of a rock and says “Made from rock”. The other sign shows a rock crossed out and says “Not made from rock”. Place them up front on the board.)</b></p> <ul style="list-style-type: none"> <li>• Show the first item. (penny)</li> </ul> <p><b>T: “Look at this. This is a penny. Is it made from rock or not made from rock?” (Point to the two signs as you ask.)</b>  <b>T: “Turn to your neighbor and whisper. A penny is made from rock or a penny is not made from rock. Here is</b></p>		

**our sentence frame to help you remember what to say.”**

*S: “A penny is made from rock.” Or “A penny is not made from rock.”*

**T: “A penny is made from rock. Let’s put this in under the sign “Made from rock.”**

- Show the next item. (piece of paper)

**T: “Look at this. This is a paper. Is it made from rock or not made from rock?”** (Point to the two signs as you ask.)

**T: “Turn to your neighbor and whisper. A paper is made from rock or a paper is not made from rock. Here is our sentence frame to help you remember what to say.”**

*S: “A paper is made from rock.” Or “A paper is not made from rock.”*

**T: “A paper is NOT made from rock. Let’s put this in under the sign ‘Not made from rock.’ Paper is made from trees.”**

- Continue on with several more items in the same pattern. Through several examples and non-examples children can begin to get an idea of things made from rocks. Use the following dialogue for each item:

- Show the next item. (\_\_\_\_\_)

**T: “Next item. Look at this. This is a \_\_\_\_\_. Is it made from rock or not made from rock?”** (Point to the two signs as you ask.)

**T: “Turn to your neighbor and whisper. A \_\_\_\_\_ is made from rock or a \_\_\_\_\_ is not made from rock. Use the sentence frame.”**

*S: “A \_\_\_\_\_ is made from rock.” Or “A \_\_\_\_\_ is not made from rock.”*

**T: “A \_\_\_\_\_ is made from rock.” Or “A \_\_\_\_\_ is not made from rock.”** (Depending on the item.) **“Let’s put this under the correct sign.”** Read the sign out loud to reinforce the vocabulary.

- When you are finished with the items ask some questions to check for understanding.

**T: (Point to the items made from rock.) “What is the same about all of these items?”**

*S: “They are made from rock.”*

**T: “Do you notice anything about the items made from rock?”**

*S: “Some are metal.”*

**T: “Do you notice anything about the items NOT made from rock?”**

*S: “They are not metal.” “They are from plants.”*

**T: “Correct. Things made from wood are not made from rocks. Cloth is not made from rocks. Paper is not made from rocks.”**

Chant or sing to the tune “*The Farmer in the Dell*”

\_\_\_\_\_ is made from rock.

\_\_\_\_\_ is made from rock.

\_\_\_\_\_ is also made from rock.

A lot is made from rock.

**Guided Practice: (12 minutes)**

**T: “In just a moment we are going outside for a rock hunt. Before we go you will get one of these papers and a pencil. You will need to find 3 things made from rocks and draw them. Let me demonstrate what you need to do, but I will do it in the classroom.”**

- Walk around the room and do a think aloud.

**T: “What rocks are in the classroom? Salt is a rock. Is there any salt? Metal is a rock. Is there any metal? Yes, yes there is. Look at the desks (or tables). The top is wood, but the legs are metal. I am going to draw that as my 1<sup>st</sup> drawing. Here is my paper and my pencil. I am drawing the legs of the desk because they are made from rock.”**

- Show the students the picture that was drawn.

**T: “So that is what you need to do. You will go outside, draw 3 things made from rocks and then lineup at the door. I will whistle after 7 minutes. Pick up a paper, pencil and head outside.”**

*S: will pick up a paper and go outside to find things made from rocks and draw them.*

- After 7 minutes collect the students and return to the class.

**Closing: (5 minutes)**

- Bicycle Chain – have the students line up in two lines facing each other. Have them share their drawings with the person standing across from them. Switch 3 times.

**T: “Bicycle Chain! I need two lines facing each other. You will share your drawings with the person across from you. As you show your drawings remember to say, “ \_\_\_\_ is made from rock.” for each drawing. Then switch so the other person can talk.”**

*S: will show their drawings and say, “ \_\_\_\_ is made from rock.” for each drawing.*

**T: “Good, now the people in this line move to your right 3 people. And share your drawings again.”**

- Continue this 1 more time. The students should share their drawings 3 times, each time saying, “ \_\_\_\_ is made from rock.”

**T: “Good job today! Let’s look back at our objective. You drew three things that are made from rock. And you told someone in our class three sentences about your things made from rocks.”**

**Assessment:**

- When students are completing the “Find Rocks” worksheet, observe whether the students can accurately say whether or not the items are made of rock and what the items are (rock, glass, metal, chalk, etc.).
- Check the worksheets to make sure that only objects made of rock are included.

**Extra Ideas:**

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# Rock Hunt

Name: \_\_\_\_\_

Draw three things made from rock.

#1

#2

#3