

The following lesson example is for Rocks. You could do something similar with shells at the beach. With a bag in hand, take a walk through your neighborhood, yard, beach, or park.

Collect as many different kinds of rocks as you can.

Back at home choose one rock and do the following:

<p style="text-align: center;">SPEAKING</p> <p>*Feel the rock with your fingers and rub it against your cheek...Is it smooth, bumpy, rough, sharp, cool like a _____ etc.? Come up with your own touch words.</p> <p>*Smell rock...How does it smell? ... salty, dusty, earthy, fresh, like a _____, etc.? Think of your own sense of smell descriptions.</p> <p>*Hold the rock up to your ear and rub, tap, or scratch it. What sounds do you hear? clicking, quietness, soft swishing, crackling, etc.</p>	<p style="text-align: center;">LISTENING</p> <p>*Ask family or classmates to choose their favorite rock and describe it to you. Listen for and sketch the words they use to describe the rock.</p> <p>*Partner Listening: Play a game of Guess My Rock. Describe your rock to a partner and they sketch what they think it looks like (don't let them see it until the end). Then switch roles. Once both have had a turn describing, guess what type of rock or compare sketches to the actual rock.</p> <p>-It is _____. It has _____.</p> <p>-Below the _____, it has _____. Next to _____, is _____.</p> <p>-If you _____ it, then _____. It is _____-er compared to a _____.</p>
<p style="text-align: center;">READING</p> <p>*View Geology Kitchen. What items in your kitchen do you have to represent the three types of rocks?</p> <p>*Read online or in books about rocks and how different types are formed. What kinds of animals, birds and insects need the rocks to survive?</p> <p>*Research rocks and find out their type and how they are formed.</p> <p>*Share painted rocks, sketches, sketch-notes, poems, script or video of puppet-show, stories, information with other classes or invite and present to the people from the groups above. (Or via Google hangout, Zoom, etc.)</p>	<p style="text-align: center;">WRITING</p> <p>*Write a poem about rocks using some of the sensory words. Write a Rock Haiku (3 lines - 5 syllables, 7 syllables, 5 syllables)</p> <p>*Write or complete a story about your rock as the main character. Have a beginning, a problem, middle, solution, and end.</p> <p>*Write a script and perform a puppet show about rocks.</p> <p>*Identify a real life problem related to the importance of rocks and minerals in daily life. Write a descriptive informational piece about a type of rock, how it is formed and how it helps in our lives. (State an opinion; give several reasons for your opinion and end by restating your opinion in a different way.)</p>
<p style="text-align: center;">REPRESENTING</p> <p>*Sketch the rock and label it with some of the "sensory words".</p> <p>*Gather a handful of dirt. Make observations. Shake and sift the dirt away from the rocks and observe the rock/s left in your hand closely like a scientist (with a magnifying glass). How heavy is it, does it have layers, colors, texture, is hard or soft, is the color solid or transparent,</p>	

is it large or small, does it have a smell? Add those words to surround the sketch. Describe your observations and process in your science journal.

*Choose one of the rocks and paint as a character for your narrative story or make an interesting design.

*Sort and count the rocks by category-shape, color, size, type, etc. Identify patterns in each rock. Make a graph depicting size, type, etc. Estimate how many rocks of a certain size might fit into a container. Measure the distance you can throw, kick, or roll a rock. Have a competition for distance with members of your family. Estimate how many rocks on your street, then tally them.

*Create a piece of art using the rocks you picked to make a design or pattern. Take a picture or draw a sketch to share with classmates.

