Student Name: _____

What is Earth Made Of?

Earth is made up of different materials like soil, rocks, water, and air.
Soil and rocks are parts of land.
Globes are round models of Earth. Maps are drawings of the Earth.
When you look at maps and globes, you can see land and water.

Your Tasks:
Color the water blue on the map and globe.
Color the land green on the map and globe.

Kindergarten Digital Learning Project Fall 2022

Remember rocks are a part of land. Rocks can be big, small, brown, white, smooth or rough. There are many ways we can describe rocks. Some physical attributes used to describe rocks are shapes, sizes, colors, and textures.

Your Task: Put on your best explorer gear and let's go on a ROCK HUNT!

Directions:
1. Try to find 10 interesting-looking rocks and encourage the child to look for ones that are different.

2. After 10 rocks have been collected, ask the child to pull one out and observe the rock a bit closer. A hand lens could be used at this time. Next, ask the child to describe the rock. Ask them to be specific by observing its properties, i.e. what color it is, what shape, what texture it has, etc. Students should be as descriptive as possible and avoid statements like, "It's cool-looking."

3. After you've practiced observing and forming detailed descriptions of the rock, you are ready to play the **Guess My Rock!** game with your child. First, dump the rocks out on a table and line them up side-by-side. Both you and your child should observe each rock carefully, and partner 1 (the adult) secretly selects one that you'd like to describe as a scientist. You cannot let the other person(the child) know which rock you have chosen! After choosing a favorite rock, partner 1 will verbally describe the rock using 2-3 clues (shape, size, color, and/or texture). Partner 2 will try to guess the secret rock based on the clues given by partner 1.

4. The object of the game is to have the other person guess your secret rock using the descriptions that you have made! The more detailed you are as a scientist, the easier it will be for your partner to guess your secret rock.

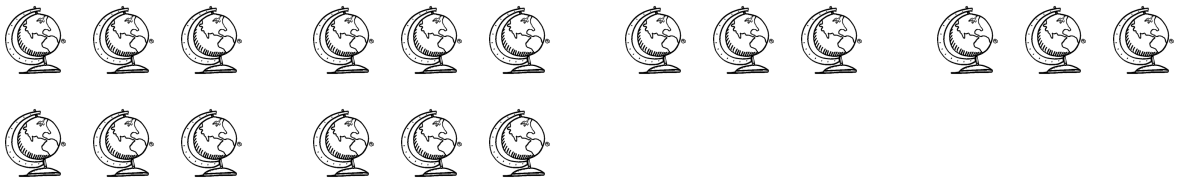
5. Take turns being the clue giver and guesser. The game ends once all of the rocks have been described and guessed.

Now that you have had fun with describing the physical attributes of rocks, how can the rocks be sorted? Allow your child to sort the rocks in different ways. Different ways can include, **but aren't limited to** shape, size, color, and texture. Consider comparing the weight of 2 more rocks.

Your Task: At the top of the provided handwriting paper, your child will draw a picture of one of their rock sorts. Now your child will choose and circle one of the rocks from their picture. They will write sentences about 3 physical attributes of the rock on the lines of the handwriting writing paper.

Example: My rock is (color). It is (texture). The rock is (size).

Math Warm-Up
Your Task:
How many globes? _____



Practice counting forward beginning at a given number. What number is underneath the globe?

14  16 17 18 19

_____

27 28  30 31 32

_____

Math Into Action
Your Task: Rocks are made up of many minerals on the Earth's surface. Rocks can be divided up into three different types based on how they were formed.

Find 7 rocks. Practice making different combinations of 7. Draw pictures of two possible combinations of rocks.

Write your numbers from 0 to 20.

Pick a number. Draw a picture to represent that number using a material of your choice. Some suggestions are sidewalk chalk, paper and pencil, markers, stickers, etc.

Optional Learning Extension: Scan the QR code or type the link for access to additional resources.

https://bit.ly/KdgLTR3