

## Project Based Learning: STEM In-Class Activity

**Title/Subject:** Geology and Earth Layers

**Category (check all that apply)**

<u>Science</u>	<u>Technology</u>	<u>Engineering</u>	<u>Mathematics</u>
X			

**Adventist Elementary Science Standards:**

S.K-2.ES.4; S.K-2.ES.11; S.3-5.ES.4; S.6-8.ES.2; S.6-8.ES.3; S.6-8.ES.15

### Overview:

Project 1: Participants were provided with a container filled with various grain sizes of sand, rocks, and stones; several gauges of filter screen were given to sieve and sort the mixture by particle size.

Project 2: Participants were tasked with replicating the layers of the inner earth using provided colors of “play-doh.” Once all layers were formed in order, they would label the layers appropriately with tabs adhered to toothpicks.

**Materials:** Container with sand, pebbles, small rocks, large rocks, and stones; three different gauges of screen fixed to cardboard for stability; bucket into which sieved particles may fall; “play-doh” (flour, salt, water) in shades of red, orange, yellow, blue, and green; toothpicks, paper tabs, paste

### Results:

