

Project Based Learning: STEM In-Class Activity

Title/Subject: Fossils

Category (check all that apply)

<u>S</u> cience	<u>T</u> echnology	<u>E</u> ngineering	<u>M</u> athematics
X			

Adventist Elementary Science Standards:

S.K-2.LS.7; S.3-5.LS.7; S.3-5.LS.9; S.3-5.LS.10; S.3-5.LS.12; S.6-8.LS.12; S.6-8.LS.16; S.6-8.LS.17; S.3-5.ES.11; S.6-8.ES.3

Overview: Following a presentation by Ph.D. candidate Michael Sprague, children were provided with stones (see materials or composition) that were embedded with dinosaur figurines. Excavation tools and brushes were provided to allow participants to gently remove the “fossils” from encasement. They were encouraged to identify the dinosaur in their stone, and then to use the figurine to create “fossil trackways” in fresh “play-doh” for subsequent drying.

Materials: Stones (flour, coffee grounds, salt, water, sand/soil), “play-doh” (flour, salt, water), paint brush; toothpicks, plastic spoons, popsicle sticks for excavation; dinosaur figurines, tray for collecting material.

Results:

