

## Project Based Learning: STEM In-Class Activity

**Title/Subject:** Ocean Conservation

**Category (check all that apply)**

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

**Adventist Elementary Science Standards:**

S.3-5.LS.6; S.6-8.LS.13; S.K-2.ES.5; S.K-2.ES.8; S.3-5.ES.10; S.6-8.ES.9; S.6-8.ES.10; S.6-8.ES.11

**Overview:** A tub of sand and water was placed in front of participants to show the effects of pollution in various forms. Small pieces of plastic, paper, foil, clay, and droplets of oil were provided as options to “foul” the environment and attempt to then purify the water. With each addition, children were tasked with removing the debris or additive, and if unable, examining how it might affect the environment long-term. This was accompanied by a lecture by Lindsay Marston, LLU Master’s candidate, on environmental conservation and the importance of protecting the ocean.

**Materials:** An assortment of typical trash, i.e. paper, plastic, straws, foil, clay, medicine dropper with vegetable oil and cocoa powder mixture “sludge,” medicine dropper with food coloring, sand, seashells, container, water

**Results:**

