

Cross Curricular Activity: Science

Lesson: *Mixing Up Dirt*

Grade Level: 1-3

Overview: Students will use different materials to recreate what happens in nature when sediment is formed.

Approximate Duration: This exercise will use 20 minutes of class time for 2 consecutive days.

National Social Studies Standards: [NS.K-4.4](http://www.educationworld.com/standards/national/science/k_4.shtml) Earth and Space Science
http://www.educationworld.com/standards/national/science/k_4.shtml

Objective: Students will learn about **sediment** by recreating how it is formed.

Procedure:

Materials:

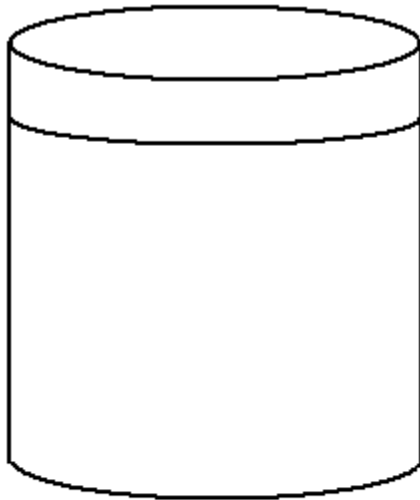
1. Jar with lid
 2. Sand
 3. Dirt
 4. Gravel
 5. Water
 6. Jar template (one for each student)
- Place a handful of the dirt, sand, and gravel in jar.
 - Pour water into the jar and close lid tightly.
 - Have students draw and label the different materials inside the jar on the jar template in the jar labeled "Day 1".
 - Shake the jar until everything is completely mixed. Allow the jar to sit overnight.

Assessment:

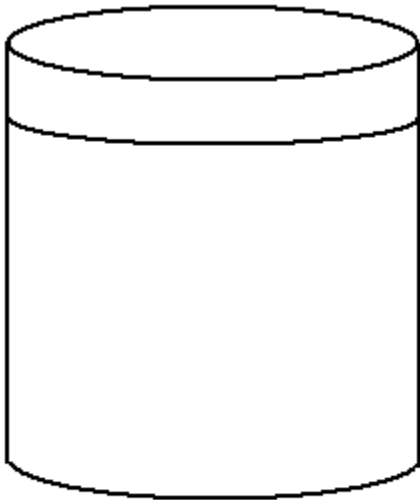
On the following day, have students redraw and label the materials on the jar template in the jar labeled "Day 2". Have the students describe what they see. Compare the layers in the jar to what happens in lakes and ponds.

Inspired by: <http://home.howstuffworks.com/easy-science-projects-for-kids2.htm>

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Day 1



Day 2