



Weathering & Erosion Activity for Kids

Erosion Model DIY

 Duration: **15-45 min**

 Difficulty: **Easy**

 Cost: **\$0 to \$5**

Make a model of weathering, erosion, and deposition using a stream.

Material List

- 1 Bag of sand
- 1 Pen or pencil
- 1 Cup of small rocks
- 1 Large bottle of water
- 1 Baking tray or similar sized container

Instructions

- 1 In one half of the tray make a landmass with the sand (must be sloped downward).
- 2 Lightly drag a pen or pencil through the sand in an “S” shape to create a riverbed.
- 3 Place stones along the riverbed.
- 4 Slowly pour water where the riverbed starts.

How It Works

When weathering breaks down the Earth's surface it forms small pieces of dirt, sand, and small rocks. All of this material can get moved through erosion - this happened in the model when flowing water in the riverbed moved some of the material down the hill. Eventually, these pieces ended up somewhere else. The process of the material being deposited at the bottom of the hill is called deposition.