

# EROSION / WEATHERING / DEPOSITION EXPERIMENT AND THINKING SUGGESTIONS:

Depending on the materials available to you, you may wish to set up stations to mimic erosion and weathering. The examples below will help guide you. *Use the inquiry graphic organizer to have students determine what they think will happen before performing the following.)*

- Fill shallow containers with sand, have students use straws to create wind erosion—sand dunes.
- Fill shallow containers with sand, have students use a blow dryer to simulate wind erosion.
- With shallow containers of sand, slowly pour water through to watch it erode the sand.
- Use sugar cubes and water to show how water breaks down rocks.
- Make soil hills or sand hills outside, use a watering can to show how the water erodes the sand/soil.
- Fill a shallow container with mud and leave in the sun. (*cracks—weathering*)
- Describe how sucking on a candy is similar to weathering/erosion. (*breaks down/dissolves and moves to the tummy.*)
- Describe what happens to trails and paths over time as people walk on them. Discuss how this is similar to weathering.
- Have students select a landform formed by erosion and or weathering and build it out of available materials.
- Take some chalk and put it into a non breakable container. Put some stones in the jar and shake, watch what happens to the chalk. (*weathering*)
- Take some chalk and put it into a non breakable container with some sand and some water. Shake and watch what happens. (*weathering and erosion*) You can do this with Tums or Roloids if chalk isn't available.
- Find images online of various landforms and impact of natural disasters and have the students brainstorm what process was involved and how long it may have taken.