

WEATHERING & EROSION

Station 1

Water Weight / Splash Erosion

Materials:

Cake pan

Sand

Ruler

Cup

Water

What to do:

1. Place a pile of sand in the center of the cake pan.
2. Hold a cup of water 10 cm above the top of the sand pile.
3. Slowly pour the water on the sand.
4. Record your observations.
5. Re-build the sand pile.
6. Hold a cup of water 50 cm above the top of the sand pile.
7. Slowly pour the water on the sand.
8. Record your observations

WEATHERING & EROSION

Station 2 Dissolving Rock

Materials:

Cake pan Brown Sugar Eyedropper Water
Wooden block

What to do:

1. Place the cake pan so that one edge hangs over the sink.
2. Put the block under the other end of the pan so that it slopes toward the sink.
3. Make a small hill of brown sugar in the middle of the cake pan. This represents a rock.
4. Use the eyedropper to drop water on the top of the “rock” hill.
5. Record your observations.

WEATHERING & EROSION

Station 3 Preventing Erosion

Materials:

Small potted plant Hand lens

What to do:

1. Take a small potted plant out of its pot.
Leave the soil on the plant.
2. Observe how the roots help hold the soil
in place.

WEATHERING & EROSION

Station 4 More Soil Erosion

Materials:

Dishpan

Soil

Bottle caps

Watering can

Water

What to do:

1. Pile the dirt in the middle of the dishpan
2. Press the bottle caps into the dirt on top of the mound
3. Water the dirt evenly across the top
4. Observe.