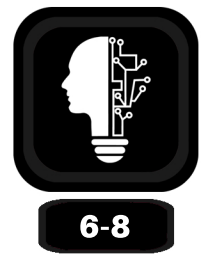


# Water Erosion



## Materials:

- 1 Metal paint tray or cooking sheet.
- Sand (2-4 Cup)
- A bag of small to med rocks
- 1 straw
- A kitchen measuring cup to pour water.
- Water
- Little animals

## Objective:

Recreate and show the effects of wind/water erosion! We will be using sand to demonstrate how water washes away sediment and rocks and disposes of it somewhere else. We will also be showing how wind can do the same thing by blowing away the sand.

## Instructions:

1. Collect materials from the supply table.
2. Add sand to top of the cooking sheet/ Paint tray in an even thick layer.
3. Draw a curvy line from the top of the tray to the bottom of the tray to mimic a stream.
4. Add rocks big and small along your stream and throughout the sand.
5. Now it is time for fun.
6. Fill your measuring cup up halfway with water.
7. Pour the water slowly at the top of your stream.
  - a. What do you see happening to the sand?
8. Now take your straw and blow on the sand.
  - a. What do you see happening to the sand?
9. Last things pour water anywhere on the sand besides the stream.
  - a. What do you see happening to the sand?
10. Now let us all get together and talk about what you saw.

## The Science:

The science behind this experiment is showing how the earth can change environments over time due to wind and water eroding away rock and sediment. The rock and sediment are deposited in a different location to create a unique environment for a diverse set of animals.

