

Girl Scouts Mangrove Hands-On Learning Experiment

Material List:

- Tray
- Sand or soil
- Spray bottle
- Small plants or short sticks

Instructions:

To deepen your understanding, conduct an at-home erosion experiment by:

- Setting up a simple tray with sand or soil to represent a shoreline.
- Using a spray bottle, simulate rain or waves and observe how the sand moves.
- Then, add plants or sticks to the sand to represent mangrove roots and see how they help hold the soil in place, thus preventing erosion.

This experiment will show how mangroves protect shorelines from the forces of water.

