

APPENDIX D—Tsunami Wave Container Construction Instructions

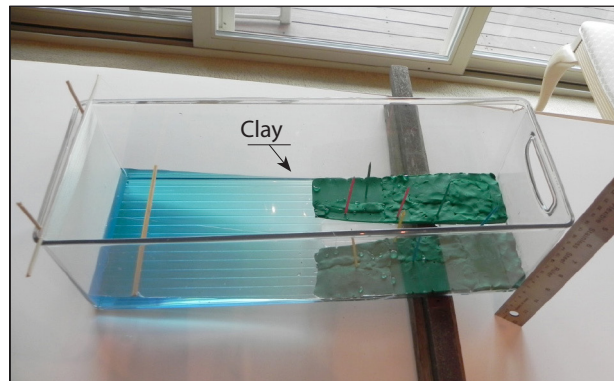
Container with landform

Materials

- Rectangular plastic storage container such as Linus™ Deep Drawer Binz Clear* 6" x 16" x 5"
- 1 lb. block non hardening modeling clay, such as Craftsmart® Plastalina Modeling Clay

Instructions

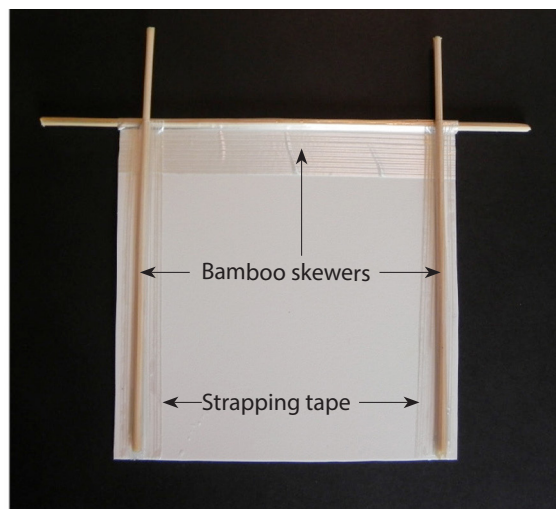
Cut pieces of modeling clay and place in the container creating a gentle sloping landform covering about a 1/3 of one end of the container. Learners will modify the landform later in the activity.



For each Tsunami Wave Making Paddle (right)

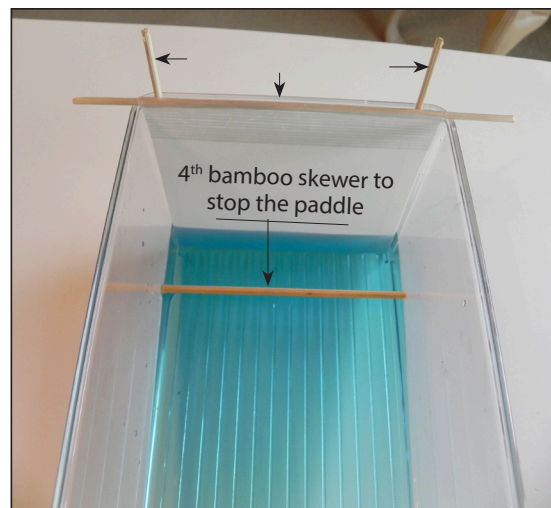
Materials

- Heavy plastic such as HDPE (High Density Polyethylene) 1/32" sheets 24" X 47" or heavy plastic report cover
- 3 Heavy bamboo skewers to make the paddle supports
- 1 bamboo skewer to make the horizontal bar that limits the distance the paddle can pivot forward to make the waves
- Ruler
- Scissors to cut the plastic for the paddle
- Wire cutter pliers (to cut skewers)
- Packaging or strapping tape to attach the skewers onto the plastic paddle



Instructions

1. Cut plastic paddle so that it tapers to fit the sloping sides of the container.
2. Cut bamboo skewers so they extend about an inch above and to each side of the paddle shown.
3. Tape the skewers to the paddle with reinforced strapping or shipping tape.
4. Test fit each paddle in a container to make sure it hangs free. Trim to adjust.
5. Fix the 4th bamboo skewer near the water line to ensure that the paddle creates waves of the same size.



Note: Follow the directions in the activity to demonstrate how to use the tsunami wave model.