

# SINKING SHIP

**Description:** Each team will construct a boat that can hold the most weight before sinking.

**Number of Participants:** 2

**Competition:**

**Construction:**

1. The teams will get 15 minutes to construct their floating device.
2. Each team will receive a bag of building materials. All teams will receive the same materials. The materials listed below may be among them, but the actual materials are not limited to the list. No team or coach will know the actual contents of the bags before the event.
3. Only the materials in the bag may be used, and the bag may NOT be used. No additional materials or adhesives may be used.
4. Possible building materials:
  - a. popsicle sticks,
  - b. rubber bands,
  - c. straws,
  - d. foil,
  - e. wax paper,
  - f. milk cartons,
  - g. tape,
  - h. pipe cleaners,
  - i. Styrofoam bowl,
  - j. Styrofoam cup,
  - k. Dixie cup,
  - l. paper clips.
5. The boat must be able to hold pennies that will be added to weigh down the boat.

**Testing:**

1. Students will add pennies one at a time to their boat.
2. Once the boat takes on water in the penny holding area, the students stop adding pennies and count how many were added.
3. The more pennies added to the boat, the better their score.

**Scoring:** Teams will be ranked based on the number of pennies in their boat. Highest number of pennies will be ranked above lower number of pennies.

**Tie Breaker:** Time taken to build their boat.