

Penny Boat

Goal: Students learn about the importance of experimentation and prototyping

Materials -

- 10 cm x 10 cm piece of tin foil
- 50+ pennies
- Tub or sink of water
- Towels

Procedure -

1. Fold the tin foil into a boat in whatever shape desired. Try to think of what would make the sturdiest boat.
2. Place boat into tub of water
3. Place pennies into the boat one at a time (make sure the placement is spread evenly throughout the boat) until the boat sinks. Count the maximum number of pennies held before sinking.
4. Consider what worked and what didn't work and repeat with another piece of foil.

☆ Explanation: Prototyping is important for a good design

Image(s) -

