

# Float Your Boat Challenge

By: (Shelby Connelly)

Group Members: Jasmine, Min and Nathan

Science 10 Block A

**Problem:** Make a boat that can float in water and hold the most amount of pennies with limited supplies.

**Hypothesis:** If buoyancy affects the base of the boat, then the boat will hold the most pennies because it will be able to stay afloat.

## Observations:

#1) Top view



#2) Bottom view



### #3) During the challenge



### **Results and Conclusions:**

The boat held 33 pennies, then sank.

The original thinking and reasoning behind the design was a long, narrow boat with a buoyant base.

If the following challenge was repeated, to improve the boat design, the following changes would be made: we would make the base shorter and wider because it would stay more level.