

Sink or Float?
100 Points
Due: Thursday, October 25, 2012

For this project you will have to make a boat out of aluminum foil that holds a cargo of 50 pennies. Your boat must not take on water for 10 seconds. This project will be designed at home, but constructed in class.

To complete this project:

- Use only 2 sheets (12 in x 10 in each) of aluminum foil to construct a boat
- The boat must fit in a 15 cm x 15 cm x 15 cm cube
- Practice different designs at home
- Construct your boat in class with materials provided by teacher on Thursday, October 25, 2012.
- Work with one partner or individually
- Create a poster/Power Point presentation of your project
- Presentation must include:
 - Picture of design
 - Force arrows drawn on design
 - Explanation of how your boat works in terms of density
 - Modifications to boat

You will need to practice your designs at home with your own materials. During class on October 25, 2012 you will construct that boat with foil provided by your teacher. On Friday, October 26, 2012, we will test the boats in class.