



January STEM CHALLENGE

Boats

Due Date: 2/2/16

Challenge: How much weight can your boat hull hold?

Materials:

- Aluminum Foil
- Cellophane Tape
- A sink, tub, bucket, or dishpan
- Water
- Pennies (at least 200)
- Permanent marker
- Paper towel or rags



Challenge Activity:

- Use the foil and tape to construct 5 boat hulls of different sizes and shapes
- Number the boat hulls 1-5 with a permanent marker
- Place pennies in each boat until the boat sinks
- Count how many pennies each boat hull held before sinking
- Make a chart with the # of the boat hull, how many pennies the boat hull held, and the weight it supported (in grams).

Submission:

- Draw or take a picture of your boat hulls
- Write a claim and evidence statement to answer the challenge question.
- Submit your chart
- Please make sure the **students name, teachers name, grade level, and school district** are on the forms when submitted.
- Please submit your picture and claim and evidence to GST BOCES- STEM in the "PONY" to Bath High School Room 444-STEM or email to aparry@gstboces.org