

STEAM CHALLENGE

PENNY BOAT CHALLENGE

Supplies:

- Something to hold water- this can be your sink, bathtub, a plastic bin (as long as it's big enough for your creation!)
- ~ 1 foot of aluminum foil
- Whatever you can find in your recycling bin! TP rolls, newspaper, milk jugs, plastic bottles, packing materials, etc.
 - Level up, Chopped- style: Have someone else pick out your 5 "secret" materials
- Pennies or other coins for weight

Activity:

- Campers are each given one foot of aluminum foil, and other recycled materials. The goal is to make a boat which will hold as many coins as possible without sinking. They may only use the materials given, or chosen ahead of time.
- When their vessel is complete, have the camper place the boat on the water. They should slowly add coins, making sure to keep a tally of how many coins the boat will hold, without dipping beneath the surface.
- When the boat has finally sunk, try to answer the following:
 - What was successful about your design?
 - Where did your boat need help?
 - How can you make this design even better??

Let your camper give it another try, and encourage them to try new shapes, materials, and floatation devices!

