



## **4-H Learn from Home Activity: Tinfoil Boats**

### **Materials Needed:**

- Tinfoil
- Weight (pennies, coins, lego, washers, etc)
- Water
- Vessel for water (bowl, sink, tub, etc)

### **Instructions:**

Provide each child with a sheet of tinfoil. The task is to create a boat that will float on water. Encourage them to test out their boats as they design.

Once they have successfully tested their boat (prototype) have them add weight to the boat. They should add weight one at a time. Have them count to determine how much their boat can hold.

### **Reflective Questions:** (Use these examples, or come up with others)

- What was your favorite part of this activity?
- What was most challenging?
- Are there any advantages to the different designs?

### **Extensions of this activity:**

- Change the materials, instead of tinfoil make boats with cardboard, popsicle sticks or wax paper.
- Have youth work independently or in teams

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