



WHITMAN COLLEGE

Science at Home



Materials Needed:

- clear bowl/container
- pennies or marbles
- tin foil/paper
- paper & pencil
- water
- ruler

Pro Tip: cut out multiple squares of tin foil/paper so you can make a couple different versions to see which works the best!

Float a Boat (Buoyancy)

1. Measure and cut out a 4 inch by 4 inch square of tin foil/paper
2. Assemble a boat that can hold the marbles/pennies
3. place boat in the water to see if it floats!
4. Try a couple different designs to see what works best!

Science Behind the Science You See

Boats float because they are buoyant. Buoyancy is the ability to disperse the water, moving it to its sides. Buoyancy is a force that works against gravity allowing the boat to float

Brought to you by Whitman College Science Outreach Team. Please visit our website for more fun activities to do at home.

<https://www.whitman.edu/academics/community-outreach/science-outreach>