BOAT DESIGN CHALLENGE

Worthington Science Day 2025

GOAL

Using the materials provided, design, plan, and test a boat that holds the most amount of weight for your age division.

BOAT REQUIREMENTS

- Can only be made out of the materials provided
- Must have a designated spot to hold the washers for testing
- Can not touch any part of the testing bin to keep it afloat (sides or bottom)
- Cannot exceed 6" by 6" by 6"

STUDENT REQUIREMENTS

- Work respectfully as a team to design, plan, & test their boat
- Can't use any outside resources (internet access, phones (calling or texting), or consulting with outside groups/resources)
- Must not harm others or their builds in any way

TESTING REQUIREMENTS

- Students must place their washers in their own boat
- Can only place 1 washer per 2 seconds- judge will notify when the washer can be placed
- Boat is considered sunk when the entire boat is underwater or any portion of the boat touches the bottom of the bin.
- The total # of washers for your boat is -1 from the count of when it sunk