



STEM CHALLENGE

Science | Technology | Engineering | Math

Name: _____ Date: _____

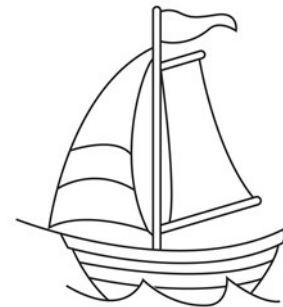
Today's Challenge: **A Trashy Boat**

You must construct a model boat that is made only out of trash or recycled materials.

The boats will be wind-propelled across a tub or pool of water by blowing through a straw. A stopwatch can be used to time the boats, allowing different groups to "race".

For this challenge, you can only use the following materials:

- Used or discarded items*
- Classroom "construction" materials (i.e. rubber bands, popsicle sticks, clay, pencils, paper clips, notebook paper, foam squares, etc.)*
- A tub or wading pool of water*
- Stop watch*
- Straws (for blowing the "wind")*



OUTCOME:

What were the results of this challenge?

EVALUATE:

On a scale of 1 to 10, how well did you accomplish this challenge? Why would you give yourself this grade?

Your Grade

What would do differently next time?

REFLECT:

How might the skills to complete this challenge carry over into real-world applications?

Hint: Think about what makes a boat float, and how the technology has developed through the years.