Title: Paper boat

Engineering Challenge

July 20, 2022

Problem Statement: The problem for this challenge was to make a boat out of paper that would hold the most amount of weight for the longest amount of time.

Materials: List the materials given (if any).

Paper
Weights

Approach: Write a description of your plan to achieve the goal of the problem statement. Add drawings/sketches/CADs if possible.

My team members did not really contribute much, one of them was playing with an empty bottle of soda and also trying to cut out a piece of plastic he put inside it. The other did contribute some good ideas, but was mostly distracted. I thought that having the most amount of surface area and weight distribution wouldn't put too much strain on the wet paper, and would allow it to float.

Solution: What is your solution to the given problem?

Folding the paper into a box and having pencils and markers evenly distributed within the boat.

Analysis: After testing, did it achieve your goal? Either way, what could you have done better? If given more time/materials, what would you do differently?

Yes, although I could've definitely added more weight, it went much better than I had originally anticipated. I don't think I could've done much better with more time, the entire boat only took a few minutes to finish.

Images: