Title:Challenge paper boat (Brandon Kim) p7

Engineering Challenge

September 16, 2022

Problem Statement: Write the problem statement in your own words and interpretation. What are you trying to achieve? What is being learned through this challenge? The problem is to figure out how much weight our ship can withstand without sinking. I'm trying to keep our boat afloat and adding heavy materials on our boat to win. I'm learning how much weight a paper ship can support while in water.

Materials: List the materials given (if any).

One sheet of paper and a wood stick.

Approach: Write a description of your plan to achieve the goal of the problem statement. Add drawings/sketches/CADs if possible. I tried to make the ship as light as possible, so that it could last the longest.

Solution: What is your solution to the given problem?To load it with a light material, so it could stay afloat longer.

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? It partially completed its goal because it did stay afloat, but I underestimated the weight a paper boat could withstand. I would have loaded it with more heavy materials and If we had more time I would have added marbles and coins.

Images: