

Title:Water Balloon Delievery

Engineering Challenge

July 20, 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?

Deliver the water balloon across 100m fast and safely as possible.

Materials: List the materials given (if any).

Water Balloon, Popsicle Stick, Rubber Band

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

Our group tried to make the base large by tying the sticks together.

Solution: What is your solution to the given problem?

Make a shape like an octagon to fit the water balloon.

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, But it did not work that well. I succeeded on the second try. It did not work on the small balloon either. I think blocking the opening of the and making the sticks and rubber band like a cage was smart.

Images: