

## Wednesday Challenge Form

Group Members: Sam, John, Andrew, Jess, and Sona

**Problem Statement:** Construct a rocket boat tail

with three layers out of cardboard. The winning team will be the one with the smoothest rocket boat tail and the one that has three layers.

**Approach:** We decided to not use the math because of its complexity, so we instead used guessing measurements when cutting out the three layers for the rocket boat tail. However, when we cut the layers out, we realized that they did not fit perfectly into a straight cone. We then cut out each piece so that the piece above would be thicker than the lower one, and the cone became even.

**Solution:** Our final score tied with Alvin's score. However, the judges then based the winner on which rocket boat tail looked better, and Alvin's looked much neater than ours.

**Lessons Learned:** We should have smoothed the boat tail more evenly and neatly.