

## Wednesday Challenge Form

Group Members: Edgar, Andrew.

**Problem Statement:** Using SketchUp, create a model of the letter "A". This SketchUp model will be given to another team, which will try to recreate that model manually out of cardboard. The winning team will be the one with the closest manual design of the other team's SketchUp model.

**Approach:** Edgar and I decided to make our letter A in a square way rather than the typical triangle because it would be easier for the other team to cut it. This was done using SketchUp. However, after our design was given to another team, we received a triangular version of the letter A. This was difficult because we didn't know the angle at the top. However, using math, we figured it out and cut it out.

**Solution:** We received a score of 9.8346. The winning team had a triangular A and had the least difference between the measurements of the cardboard construction and the SketchUp model.

**Lessons Learned:** We should have done the math more slowly and accurately.