

## Wednesday Challenge Form

Group Members: Matty and Edgar

**Problem Statement:** Make a device that holds a potato chip and keeps it safe and unbroken while it gets mailed. Afterwards, build a device from another group's visual image of their device.

**Approach:** First, we started off by brainstorming many different ideas for the device we were going to build. We finally decided on a triangular pyramid made of straws with a cup in the middle. It had rubber bands connecting each corner of the triangular pyramid to the cup. We drew the device on a piece of paper and we calculated the estimated score on the back of the paper with the formula given. Afterwards, we received another group's device idea which was a box with cotton balls inside surrounding the potato chip. We were instructed to shred the cotton balls.

**Solution:** Most of the other groups used the same idea – a cardboard box with cotton balls inside surrounding the potato chip. The group that was assigned with building from the visual image we made got disqualified because our dimensions were too small. Keilah won first place, however Monte and co. won as well because Keilah is a veteran.

**Lessons Learned:** If I were to do this again I would have worked faster. We did not finish the first portion of the project in a timely manner and it took longer than required.