

## Wednesday Challenge Form

Group Members: Ara, Jason, Justin

**Problem Statement:** Create a structure out of cards that has a Large height. You must pitch your design to the judges and create a prototype Of the design and ask for more and more cards.

**Approach:** My group was fairly effective on creating a design and creating an effective tower design. Next, we started with a pyramid structure and Discovered that we weren't able to balance more than three tiers. So we ended up Applying a second card to each tier so in a way we fortified our structure by Thickening the base for each tier. Lastly we created a nice four tier structure and We ended up with 13.5". Unfortunately, when we were looking for a judge, none Were to be found. So we decided that we had enough time and we would add More cards to increase our height. Before this we took a photo of this structure For record. When we were rebuilding our structure it toppled over and just then A judge came by. You could probably tell that I was upset but I was relieved that We already took a photo of our structure. We weren't first anyway so I had no Reason to lie but the judges still required a measurement by themselves. We tried To replicate our structure on various attempts but every time they toppled over. So we just had to lean two cards and that was what we ended up with.

**Solution:** We got a height of 3" as our final height. Although we did Measure 13.5" for our initial height. 3.3125 was the height of our cards, but our Scored ratio was 1 but 4.07 with our 13.5" height.

**Lessons Learned:** Probably, what we should have done is have A judge by us and to not take too many risks when the competition be later on.