

## Wednesday Challenge Form

Group Members: Sophia, Krish, and Artur

**Problem Statement:** Using cards, we have to build a card house without using glues. Bending cards are not allowed for the house. The winning group will be determined by the height of the house.

**Approach:** First, we designed how the house is going to be built. We choose the pyramid which gives a structured bottom and when the top cards fall, the bottom cards still stays.



**Solution:** Our team won the challenge with the score of 13.5. To build the cards, they have to be angled at about 70 degrees. The bottom row should be built first before moving onto the top.

**Lessons Learned:** If I would do this challenge again, I would be more careful with where I would build the card house because the floor takes a huge impact on it and the cards easily fall by the wind.