

Date: 1/30/17

Wednesday Challenge Form

•Group Members: Jason, Christian, Tyler and Armen

•Problem Statement: Make a structure using crackers, pretzels, and marshmallows on SketchUp and then physically make a structure based on another group's SketchUp.

•Approach: So, we were given one cracker, one marshmallow, and one pretzel. First we made the three objects that we could use to make the structure on SketchUp and made each of them their own group. We brainstormed different ideas for our structure design. We decided to make a structure made purely out of crackers. We made a vertical triangle and then put a horizontal cracker on top of that triangle. We then stacked it eight times. It was projected to be 1 foot, 9 and 9/16 inches high on the SketchUp. Afterwards, we tried to make the structure out of the SketchUp that was given to us. We were not able to hold the structure up. The structure would just fall over when we tried to hold it up.

•Solution: We were not able to make the physical structure out of another group's SketchUp. Their structure design did not hold up once we tried building it. Also, the group that made the physical structure out of our SketchUp was not able to make ours. It was like building the card tower from a previous Wednesday challenge.

•Lessons Learned: If I were to do this again I would make a better structure design. Ours did not have a good design, which is why it wasn't able to be built. I also would have made the structure shorter and wider.