

Wednesday Challenge Form

Group Members: Sophia, Artur, and ME

Problem Statement: Design a house of cards using as many cards as you want. The rules are no bending or folding the cards. We will be graded on our height. If there is a tie, the judges will judge the bridges on who has the coolest and who used the most cards (one deck = +10 points). We will have to first draw a sketch of our house and then we will have to estimate the height.

Approach: We had Sophia draw the sketch of the bridge. We were given two cards to “feel” it. Once we decided what we would do, a plain simple house of cards, we asked Dr. Neato for a deck of cards. He gave us his favorite deck of cards, the dolphin ones. We began to build three separate houses and see who got the highest. Sophia’s house got the highest and mine and Artur’s house fell. We decided to give all the cards to Sophia. We made a house and we measured it out to 13.5 cm. We tried to go higher but then it broke.

Solution: We built a card house out of a full deck of cards plus a little more that won us 13.5 centimeters. Our team won and we got an A for the week.

Lessons Learned: We wouldn’t do anything different next time.