

## Wednesday Challenge Form

Group Members: Jess, John, Andrew and Sona

**Problem Statement:** In a plastic bag, two popsicle sticks, two straws, four paper clips, one pin, four strings and two rubber bands to build a tool that will move the golf ball from one bag to another without touching the bag.

**Approach:** We shared our ideas in the beginning too look for the most suitable design for this challenge. The idea of making a net out of the strings to hold the ball was our final design which was from Jess. Then, we assorted the tools to check which material would be able to make a handle of the net and hold the strings for the loop. Paperclip was bent opened to a circle as a loop of the net and we tied the strings crossing each other to form a net. A pencil, popsicle stick and a straw is hold together using a rubber band to be the handle of tool that would be long enough to reach the bag. However, our team was running out of time after the string was not coming together as a net to hold the golf ball in place, instead it was dropping the ball. Finally, we were no able to compete well with the tool that we have created and scored four minutes.

**Solution:** Alvin, Erin and Hunter won the Wednesday challenge with the time of 20 seconds. The strategy was to scoop the ball up from the bag using a stable material to hold the ball safely.

**Lessons Learned:** If I would do this challenge again, I would use time more efficiently and use a proper material that goes along with the scoop that would pick up the ball. Instead of using a string, paper clips are more stable.