

## Wednesday Challenge Form

Group Members: Ara Jason

### Problem Statement: design an ebola ball carrier

That can transport ebola balls from one bag to another. The tools include a pencil Two straws two rubber bands a tac a foot of scotch tape string and two paper clips.

**Approach:** Initially we tried using a tripod design with some string On the bottom. This would allow us to grab the ball and tighten the Bottom to hold the ball. This was very problematic because as we tightened The string the straws that we used for support bent. We tried using the Paper clips or the tack to hold them in place but it was becoming more and More difficult. After we secured a better rubber band on the tripod design We decided to apply tape to the circumference of the tripod to allow The ball to stick to the ends like a suction cuff. Now in theory this worked Spectacularly, we discovered that the tape was strong enough to hold the Ball but it needed a bit of a push to take the ball off. During the competition The ball did just that and by the time I figured that I could unroll the tape It took too long.

**Solution:** our time was 2:26 sec

**Lessons Learned:** spending a little more time to plan out a technique To be more effective.