

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 tack 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 as very problematic because as we tightened
The string the straws that we used for support bended. 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.