

# **Stacking Cups Experiment - Volunteer Instructions**

## **Experiment Set-up:**

Each group gets 6 cups, one rubber band, and as many pieces of string as there are team members. Tie the pieces of string around the rubber band, giving each participant the other end of the string.

## **Experiment Instructions:**

Have students be in teams between 4 and 6 people. Students will work together to stack the cups into a pyramid without using their hands to touch the cup. This is done by members working together to expand and contract the rubber band (with their individual pieces of string) around the cups to stack them. First team to make a pyramid wins.

## **Materials(per team):**

- 6 paper cups
- 1 rubber band
- 4-5 pieces of string

## **During the Experiment:**

- If any team member touches the cup, the cup must be removed from the pyramid and put back in the start location
- If teams are completing the challenge quickly, have them take down the pyramid in a similar fashion