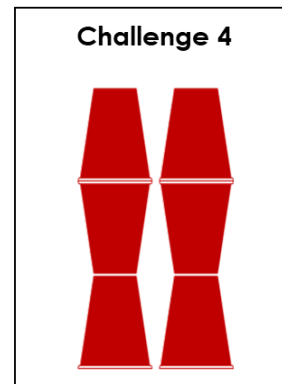
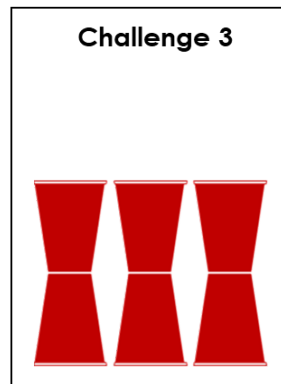
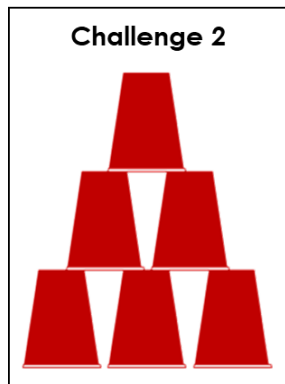


CUP STACK 2

Start



MATERIALS (per group)

- 6 cups
- 1 rubber band
- 4-5 strings (12-18 inches long)
- Student instructions sheet

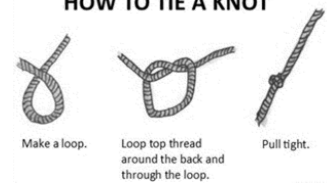
SET UP

- Cut each string 12-18 inches long.
- Place all the materials on the table for each group.

INSTRUCTIONS

- Divide the class into small groups of 4-5 students.
- Give each group the materials (6 cups, 1 rubber band, 4-5 strings).
- Have students tie their strings onto the rubber band (moving tool).
- Explain that students must move the cups **without** touching them with their hands. They can only use the moving tool (rubber band with string) and their words.
- Need a challenge? Try completing all challenges without speaking.

HOW TO TIE A KNOT



REFLECTION. After the activity, ask each team these questions...

- **Science:** How did tension play a role in this activity? [Tension is the pulling force applied by an object when it is stretched. Point out that each group member needed to adjust the tension of their moving tool to successfully move the cups!]
- **Teamwork:** Why was teamwork so important for this activity? Give specific examples. What are some skills needed to be good at teamwork? Was anyone frustrated at all during the activity? If so, how was it handled?