

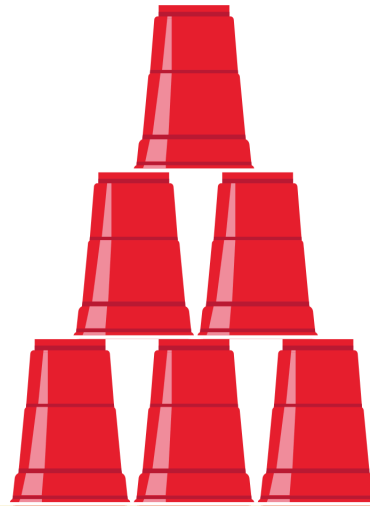
## Down To Earth: Mission Tech Force

### Cup Tower Challenge

1. Attach the strings to your rubber band. How you attach the strings and where on the rubber band you attach them is up to you. Take a moment to discuss your plan with your team.
2. Stack all the cups together in one column.
3. Then, move all six cups from the column into a pyramid shape (with three on the bottom, two on the second row, and one on top) without touching the cups with your hands.



**Challenge Start**



**Challenge #1**

How did this activity help you to understand the ways humans may interact with a robot?

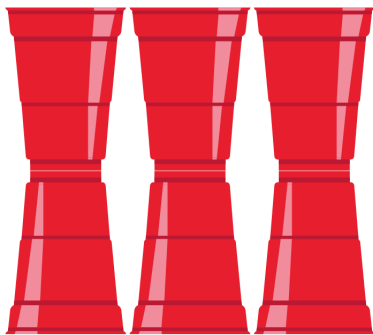
What did you learn about having to work together as a team?

How would you redesign your grabber to use a screwdriver or hammer a nail?

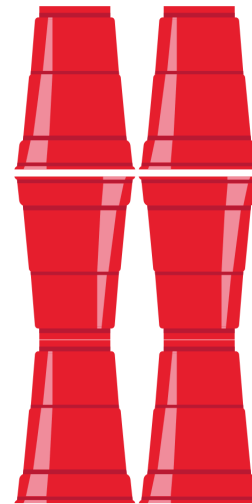
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### Additional Challenges

Once you've mastered the first challenge, try to unstack the cups and put them back into a single column. You can also mix it up and try building different shapes. Get creative!



**Challenge #2**



**Challenge #3**



**Challenge #4**



**Challenge #5**