



Build a Tower Challenge

Goal: Build towers that are structurally strong while being as tall as possible.

Spaghetti Tower

Materials:

- 20 sticks of dry spaghetti
- One yard of string
- One yard of masking tape
- One marshmallow
- Scissors

Instructions:

1. Get in groups of 3-4.
2. We will hand out your materials, do not touch them until you are instructed to.
3. We will start a timer for 25 minutes.
4. You will work with your group to build a freestanding structure that can support a marshmallow -- that means it can't lean against a wall or table!
5. At the end of the 25 minutes, clean your workspace and throw away materials you did not use.
6. Then, we will measure how high your marshmallow is off the table. The team with the highest marshmallow wins!



Index Card Tower

Materials:

- 20 index cards

Instructions:

1. Get in groups of 3-4.
2. We will hand out your materials, do not touch them until you are instructed to.
3. We will start a timer for 15 minutes.
4. You will work with your group to build a freestanding structure that is as tall as possible.
5. You are not allowed to talk to your group! You must do the challenge silently.
6. At the end of the 15 minutes, clean your workspace and return index cards you did not use.
7. Then, we will measure how tall your tower is. The team with the tallest tower wins!

