



## EVENT #3 - TALLEST TOWER

Goal: Build the tallest free-standing tower with a set number of cups in a set number of minutes.



### Materials List

- Solo-style plastic cups (50 per student)
- Step ladders if needed
- Measuring Tape
- Stopwatch

### Lesson Highlights

- Have students try this activity on their own first before giving additional instruction.
- Show examples of tall buildings or pyramids. What do they have in common? (A larger base, symmetry, even weight distribution, etc.)
- Prompt their answers and thoughts: Slow and steady versus building too quickly.
- Build towers from the floor. Have students try this several times. Prompt them to change their design if their tower fell over or wasn't as tall as they hoped.
- Gradually decrease the amount of time given to build

**Measure Success:** In the final timed event, the winner is the tallest tower standing.

**Each student who completes the workshop should receive a sign-up flyer!**



# *You Did It!*



You've qualified for the TOWER BUILDING COMPETITION at the LANCASTER STEM SHOWDOWN!

Follow the link below to sign up for the competition to be held on:  
Saturday, January 11th, 2025 from 10am - 12pm  
at McCaskey East High School

Space may be limited, so be sure to sign up now!

## **EVENT #3 - TOWER BUILDING**

