



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 the
LANCASTER STEM SHOWDOWN!

Follow the link below to sign up for the competition on DATE and
TIME at PLACE.

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

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