



CROWDER COLLEGE

Engineering Day 2021

Duct Tape Structure

Goal:

Create a simple, lightweight structure capable of supporting a small ball at the highest possible height.

Rules/Judging:

1. Students will design and build structure during the competition. Fifteen (15) minutes will be allowed for student work.
2. Dimensions of cardboard base will be 15"x15".
3. Tower cannot lean out of footprint established by base.
4. Measurement will be taken when team requests or when time has elapsed.
5. Only one measurement will be taken per team.
6. Students will have the ability to use duct tape in any method.
7. Each team will have only 1 roll of self-provided duct tape.
8. No more than four team members per structure.
9. The team with the highest height wins.

Score:

Measurement in inches from base to top of supported ping pong ball.

Required Materials:

Teams are to provide one roll of Duck Brand, Utility Duct Tape, Basic Strength, 1.88"x55 yds, part # 241644 available at Walmart