

Cantilever Marshmallow Tower

Your team's challenge is to build a tower with a base inside of a taped square to hold a marshmallow cantilevered as far as possible from the taped square.

On a table is a 12"x12" taped square and the following materials:

- One Marshmallow
- 6 Drinking Straws
- 6 Index Cards
- 3 Mailing Labels
- 3 Paper Clips
- 30" of string
- One pair of scissors (the scissors can only be used as a tool, not part of the solution)

Rules

- The team will have five minutes to construct the tower
- At the end of five minutes team members must not be touching any of the materials or supporting the tower in any way
- A measurement will be made only if the marshmallow is not touching the table
- The marshmallow must be attached to the tower
- The tower may only touch the table inside of the 12"x12" taped square
- A measurement will be made between a spot on the table directly below the approximate center of the marshmallow to the nearest edge of the 12" x 12" taped square, this will be the cantilever measurement and will be taken after the five minute construction time
- Teams may ask for an approximate measurement to be taken during the construction time

Scoring

- Four points for every inch of cantilever of the marshmallow (80 Points Maximum)
- 10 Points for creative use of materials
- 10 Points for teamwork