

National Engineers' Week Student Competitions

UAA Campus, Anchorage, AK

2017 Marshmallow Challenge

Objective

In eighteen minutes, teams must build the tallest free-standing structure out of 20 sticks of spaghetti, one yard of tape, one yard of string, and one marshmallow. The marshmallow needs to be on top at the conclusion of the competition time.

Specifications

Team Size: 1 to 4 members.

Competition Time: 18 minutes

Materials:

- Spaghetti (20 sticks)
- String (36 inches)
- Masking tape (36 inches)
- Marshmallow (one)

Requirements:

- Build the tallest freestanding structure
- The entire marshmallow must be on the top of the structure
- Use as much or as little of the materials provided

Measurement:

- At the conclusion of the 18-minute competition time, the judges will measure and record the height of the marshmallow above the base of each tower.
- Towers that do not have a marshmallow on top at the conclusion of the competition time are disqualified.
- Marshmallows that are cut or eaten prior to measurement are disqualified.

