**Marshmallow Tower Challenge**

**A competition** to see who can build the *tallest* structure from a limited number of toothpicks and marshmallows**.**

**The concepts of the competition:** principles of structural engineering, including force, geometry, statical determinacy. And of course, teamwork!

**Team:**

**2 students per team**

**Time Limits**

**20 minutes to construct. Upon completion, structure must stand unsupported for ONE MINUTE before being measured for height by judge (20 minutes for judging the entire event- all teams)**

**Materials used:**

* -  Bags of mini marshmallows
* -  Toothpicks
* -  Ruler or measuring tape per team

**Description:**

Each team will have **50 marshmallows and 100 toothpicks** Team members will build the tallest tower possible **in 20 minutes**. Team members may use their rulers/measuring tape at anytime during the construction process to track the progress of their towers. Upon completing the tower, team members signal the judge to begin the ONE-MINUTE countdown. The tower must stand on its own for one minute after which the judge will **measure it from its tallest point**. The winning tower will be the **tallest tower that is able to stand unsupported for one minute** .