1. **\_\_\_\_\_\_\_\_\_\_\_\_**

5.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** **3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Materials**: 20 spaghetti sticks, 1 meter of string, 1 meter of tape, 1 marshmallow

**Design Challenge**: Using only the materials listed above, your team will construct a 46cm tower that will hold a marshmallow on top. The tower must be free-standing on top of your table.

* The entire marshmallow must be on top of the tower. (You are not allowed to cut or eat the marshmallow.)
* The team can use as many or as few of the spaghetti sticks, as much or as little of the string or tape.
* Teams are free to break the spaghetti, cut up the tape and string to create new structures.

**Imagine:** Sketch below some of your team’s ideas. Come up with at least ONE design for your tower.

**Plan:** Draw your design in the space below. Label each part and what material you will use to construct it.

**Improve**:

1. Describe the best features of your tower.
2. Describe how you could improve your tower.