Name: _____ 10

THE TOWER CHALLENGE

For this challenge, students will be required to build a **free standing** structure using the materials provided. The TALLEST tower that can support the load of a wood block wins. The wood block must be placed at the TOP of the tower and the tower must stay standing for at least 10 seconds after the block is placed.

Students will be divided into teams of 2 or 3. Each team will be given a bag containing their supplies. Students will be given a set amount of time to complete the challenge. The timer is set and the teams begin their work. When the timer goes, work must stop! The towers will be measured from the lowest point of the tower to the highest point. The team with the TALLEST tower that can support the load of a wood block wins!

Procedures:

1. Open your bag of supplies and inventory what is inside.

Materials: Make a list of the materials in your bag. (Make sure you include the quantity of each material… i.e. 10 Popsicle sticks.) In addition to the materials in the bag, the teacher will also give you 1 meter of tape.

1 meter of tape			

2. When the timer begins, you may start building your tower.

3. When the timer ends, you must STOP building your tower.

Diagram: Draw a diagram of your tower below.

Questions:

1. What shapes did you use?

2. How tall is your tower (in cm)?

3. Did your tower support the load for at least 10 seconds?