**Tower Challenge**

**OBJECTIVE:**

Build a cell phone tower to hold a cup and marble (the equipment for the cell tower).

**TERMS TO GO OVER:**

Terms

**LAB MATERIALS:**

* Marbles
* Cups
* Masking tape
* String
* Straws
* Paper plate
* Pipe cleaners
* Scissors
* Rulers

**GROUP LEADER/VOLUNTEER/TLC ROLE**

Distribute out materials

**SETUP PROCEDURE**

1. Cut up pipe cleaners into 1 inch pieces

**LAB PROCEDURE**

Rules:

1. Freestanding (movable)
2. Put a minimum of 1 marble at least 1 foot high (measured from the table/floor surface to the bottom of the cup)
3. Cost $1500 or less
4. Trade between teams not allowed

2 or 3 people make a team, and each team is responsible for keeping track of their expenses.

Costs:

1. Paper plate: $100
2. Straw: $50
3. String: $20/inch
4. Tape: $10/inch
5. Cup: $100/inch