PAPER TOWER PROJECT

The class will be divided into teams of three. Teams will be given six sheets of copy paper and 25 cm of masking tape to build a **freestanding** upright tower.

Objective: To build the tallest possible paper tower using the materials provided.

Expectations/Limitations:

- NO OTHER MATERIALS MAY BE USED.
- Your tower cannot be taped to any structure.
- Your tower must be on the floor.
- Your tower must stand for 30 seconds with no outside forces from students being applied.
- Height will be measured and recorded by the teacher.
- The height will be measured from the floor to the tallest point.

Grading:

The construction portion of the project is competitive. All scores are out of 30 construction points.

- The top 33% will earn 30 points.
- The middle 34% will earn 27 points.
- All other towers that stand for 30 seconds will earn 24 points.
- Towers that do not meet the time limit
  - 20-29 seconds- 23 points
  - 11 -19 seconds- 22 points
  - 0.5 – 10 seconds- 21 points

Names:_____

_____

_____

Height _____

Time if under 30.0 seconds _____

TURN PAPER OVER FOR GROUP QUESTIONS >>>

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Questions to be answered by the team:

1. The distribution of the mass is important in this project.
   How was the mass distributed in your tower?

   Did the mass distribution, help or hinder the success of your tower?

   What could you have done to improve the mass distribution?

2. Describe the design or designs that were the most successful in the class. Give a reason you think they were successful.

3. Team work is an essential skill needed to be successful in any class or job. How could your team have used the time provided more wisely?