

Name _____ Date _____
Group Members _____

Commack High School
Regents Physics
Lab ____ - **The Paper Tower Lab**

Strategy — Your job is to design and build the tallest paper tower which is free standing for a minimum of 10 seconds, with the given supplies (1 sheet of paper and a specified amount of scotch tape). !! Keep track of the time and allot appropriate time intervals for the various stages of this project !!

Requirements : Prior to building your actual tower, discuss various design strategies with your group. Try out various ideas using the scrap paper provided. Remember to leave yourself enough time to complete construction of your final tower 10 minutes prior to the end of the class period.

Analysis :

1. What were the design strategies and principles that your group initially formulated for creating the tallest tower? As you tested these strategies, how did your design principles evolve? (Be specific)
2. How did you allocate the time permitted?
3. By looking at the final designs and performance of the other towers in the class, what conclusions can you make about tower building? (Be specific)
4. Did your group work well together, and use the allotted time appropriately? How would you change your approach to this assignment in the future? (Be specific)

Commack High School
Physics Department

Names: _____

Lab # _____

Paper Tower Project

Problem:

To build the tallest free standing tower using a maximum of 1 sheet of paper and 50 cm of tape. (Grade 80%=80cm tower, Grade 100%=100cm or taller.)

Congratulations you have successfully completed your paper tower construction !

Draw a sketch of your final tower:

Tower Height:

Grade: