

Grade 7 Science - Tower Activity #1

Name: _____

Class: _____

Date: _____

Our first design activity challenge is to create a structure that will support at least one textbook at the greatest height possible. Much like real life, you are restricted to just the materials given. You will be given one sheet of paper. Remember that the form follows function – your function is to support the book and to be tall. You will not be given another sheet of paper so do some planning before you begin building/creating.

After completing your challenge, answer the following questions

1. Draw a sketch of your structure.
2. What did you find challenging about this activity?

3. What did you do to overcome the challenges?

4. What things did you learn from this activity?

5. Please explain about Material Fatigue.

6. Please explain about the importance of Centre of Gravity.

7. Explain about Load and what it means to a structure.

