

## Scientific Experiment

You will be required to design and carry out a scientific experiment. On a poster board (a stand up one if possible), display the following information:

1. Your original Problem. (State in the form of a question) (Tell what made you start wondering about it.) (4 pts.)
2. Your Hypothesis. (In other words, Why do you think this?) (This should include any knowledge or research you used to make your educated guess.) (4 pts.)
3. Your exact Experimental Design.
  - a. What Variables you considered. (list at least 5) (Tell me which stayed the same and the one that changed) (5 pts.)
  - b. What Control you used ( or explain why you didn't need one.) (3 pts.)
  - c. Include the actual set-up or a picture or diagram. (More than just clip art) (3 pts.)
  - d. Describe brands, amounts, times, or anything someone would need to reproduce your exact experiment. (use only the metric system) (4 pts.)
4. Display your Data using graphs and/or charts. (you need to have a graph unless you clear it with me first) (4 pts.)
5. State and discuss your Conclusions based on this experiment. (Tell me about how the experiment went, any problems, what would you do differently, etc.) (5 pts.)
6. What are at least 3 Future Experiments you could do to find out more about this or similar problems. (3 pts)
7. Make all of this Visually Stunning and include a Title. (5 pts.)