Formal Lab Outline/ESS 2013

Before starting each lab, this form must be filled out and signed off on by Mrs. Ahmed. The more in-depth work you do here, the more efficient and productive you will be in writing up your final lab report.

**Planning**

1. The title of my lab is:
2. I will be working with:
3. List sources for background information
   1. X
   2. X
   3. X
4. Hypothesis:
   1. The hypothesis for this lab is:
   2. I think this because:
5. Independent Variable
   1. The Independent variable is:
   2. It will be controlled by:
6. Dependent variable
   1. The dependent variable is:
   2. It will be measured by:
   3. The precision of the instrument is:
7. Controls
   1. List ALL of the conditions and techniques you will control in the experiment
   2. Describe how you will control each.

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| What is controlled? | How is it controlled? |
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1. Materials
   1. Make a specific list of all materials you will need for your lab.
   2. Note any materials that are not available and must be purchased.

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1. Methods
   1. List specifics of how, when and where data was collected. (This could be pulled from lab data book)
   2. Step by step process should be written BEFORE the lab is performed. May be revised if necessary once it is completed. (may include as an attachment)
   3. Number of replicated: \_\_\_\_\_\_How was this deemed sufficient?

**DC P**

1. Data
   1. Generically sketch what data you expect to display in this section. Be sure to number and title tables and include uncertainty.
   2. List all calculations that you will display in your report.
   3. Generically sketch the graph that you will use to present your data. Label axis and choose the best type for data display.