**LAB REPORT RUBRIC**

**Title of Experiment: <Enter Experiment Title here> (5 Points)**

**Date: <enter date of experiment here>**

**Lab Partner(s): <enter all lab partners here>**

**Course Title: AP Lab Physics 1**

**Period: <enter your period here>**

**Objective: (5 Points)**

**<State the objective of the experiment in the form of a question>**

**Theory & Hypothesis: (10 Points)**

 **< Outline what you know before the experiment here>**

**<state, or derive if appropriate, the equation you used in addressing the overall objective>**

**< state your hypothesis. A hypothesis is a possible answer to the question stated in the objective. (ex: The magnitude of "g" is expected to be approximately 9.8 m/s2).**

**Methods & Materials: (25 Points)**

**<Summarize the procedure, methods, and materials used to test the hypothesis in narrative form here>**

**< Include enough detail to ensure that the reader can understand what you did and how you used the equipment to collect the data and make observations>**

**<Write in the third person> DO NOT SIMPLY LIST THE MATERIALS. DO NOT WRITE STEP-BY-STEP.>**

**Observation & Data: (25 Points)**

**<Summarize the facts gathered that will serve as proof and support your conclusion>**

**<Summarize your observations in a paragraph, or more>**

**<Summarize all data in a well-designed table(s) that include descriptive headings.>**

**<Show sample calculations and summarize the results in a table.>**

**<Calculations must show detail and must be introduced with descriptive subtitles. Remember that these calculations serve as your argument defending your conclusion. Complete calculations using math notation.>**

**<Whenever possible, determine the percent error or percent difference of quantitative observations.>**

**<Create graphs whenever appropriate to illustrate the relationships between variables. Graphs must be appropriately labeled and prepared using graphing software such as Excel.>**

**Analysis & Discussion: (20 Points)**

**<Critically examine and analyze your experiment>**

**< Comment on the validity of your results>**

**< Discuss what your results show/prove>**

**< Compare your findings to those of others in the class>**

**< Outline any difficulties you encountered during the experiment that may have affected the results.>**

**Conclusion: (10 Points)**

**<Restate the objective of the experiment and then state your conclusion succinctly>**

**< Do not summarize what you have just written. A conclusion should clearly answer the original question stated.>**

**<Was your hypothesis supported or was it null>**

**<If null, why>**

 **Total: \_\_\_\_\_\_\_ out of 100**