Physics Lab Report Rubric

Plan and Carry Out Investigations (S/EP 3)

	4-Exceeds Standard	3-Meets Standard	2-Partially Meets Standard	1-Does Not Meet Standard
Question		• the question that is driving the lab work		
Diagram		• all major aspects of the diagram are labeled • measurements are labeled on the diagram when possible • a caption of the diagram is included • diagram surrounded by a box		
Action		• the action that takes place when the lab work is done is clearly and completely described • measurements that will be made are described		
Measurements		• a sentence that introduces the measurement table is included • all necessary measurements are included in a table • symbol for each measurement is included • detailed description of each measurement is included • unit for each measurement is included • tool and/or description of how each measurement is obtained		
Explanation		• clearly explains the reasoning behind the process of the lab i.e. answers the question “Why will the process described answer the question posed?” • all symbols are described • no results		
Quality	• submitted on time • clearly and independently written	• follows format • proofread (spelling, grammar, etc.) • all graphics have captions or titles • enough detail is provided so that a peer unfamiliar with the lab work could understand your report		

Analyze and Interpret Data (S/EP 4)

	4-Exceeds Standard	3-Meets Standard	2-Partially Meets Standard	1-Does Not Meet Standard
Collected Data		• sentence to introduce the data table • data in table corresponds directly to measurement table		
Analysis		• the collected data is used to answer the question posed by the lab • uncertainty is used in all calculations		
Summary		• the lab question is repeated in bold • include an answer to the question • discuss how well the method used answered the question • discuss an application for the lab work		
Redesign		• state an assumption made when doing the lab work • state the impact of the assumption on the result • clear explanation of how the impact was determined • clear explanation of how to reduce the effect of the assumption		
Quality	• submitted on time • clearly and independently written	• follows format • proofread (spelling, grammar, etc.) • all graphics have captions or titles • enough detail is provided so that a peer unfamiliar with the lab work could understand your report		