

Lab Report Rubric

HS Science

	Characteristics of Science	Point Maximum	Student Score
Title			
Purpose/ Hypotheses	<ul style="list-style-type: none"> • Suggest reasonable hypotheses for identified problems. • States the purpose of the lab. 	3	
Procedure	<ul style="list-style-type: none"> • Develop procedures for solving scientific problems. • Follow correct procedures for use of scientific apparatus. • Demonstrate appropriate technique in all laboratory situations. • Use technology to develop, test, and revise experimental or mathematical models. 	3	
Data	<ul style="list-style-type: none"> • Use technology to produce tables and graphs. • Express appropriate numbers of significant figures for calculated data, using scientific notation where appropriate. • Develop and use systematic procedures for recording and organizing information. • Collect, organize and record appropriate data. 	4	
Calculations	<ul style="list-style-type: none"> • Solve scientific problems by substituting quantitative values, using dimensional analysis and/or simple algebraic formulas as appropriate. 	4	
Graphs	<ul style="list-style-type: none"> • Graphically compare and analyze data points and/or summary statistics. 	4	
Results	<ul style="list-style-type: none"> • Trace the source on any large disparity between estimated and calculated answers to problems. • Consider possible effects of measurement errors on calculations. • Recognize the relationship between accuracy and precision. 	4	
Conclusion	<ul style="list-style-type: none"> • Develop reasonable conclusions based on data collected. • Evaluate whether conclusions are reasonable by reviewing the process and checking against other available information. • Recognize that different explanations often can be given for the same evidence. 	4	
Questions	<ul style="list-style-type: none"> • Use data as evidence to support scientific arguments and claims in written or oral presentations. 	3	
Format	<ul style="list-style-type: none"> • Writes clear, coherent laboratory reports related to scientific investigations. • Writes clear, coherent accounts of current scientific issues, including possible alternative interpretations of the data. 	4	
Total		33	

Note: Student score maximum is 33 points. If a section is not required for a particular lab, the maximum possible score will be reduced.

10% of the lab grade will be deducted if a digital photo is not included. The photo must include the student holding a card with the name of the lab, name of the student and the lab equipment must be shown in the photo. An action shot of you performing the lab would be great!