

Name: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_ Period: \_\_\_\_\_

### Gig Harbor High School Physics Lab Report Rubric – Version 2.01

	<b>Proficient</b>	<b>Progressing</b>	<b>Inaccurate/Absent</b>
<b>Title Page (1 pt)</b>	All parts are present ( <b>1 pt</b> ) <i>Lab Title, Your Name, Your lab partners FULL names, Instructor &amp; Period, Date Submitted, Abstract are included</i>	One section is missing ( <b>.5 pts</b> )	More than one section is missing ( <b>0 pts</b> )
<b>Abstract (4 pts)</b>	An abstract is present and clearly and concisely indicates what you did, what results you achieved (or didn't achieve) and what you learned from the investigation ( <b>3 – 4 pts</b> )	An abstract is present although it doesn't always clearly and concisely indicate what you did, what results you achieved (or didn't achieve) and what you learned from the investigation ( <b>1 – 2 pts</b> )	Your abstract is missing or is wholly inaccurate ( <b>0 pts</b> )
<b>Purpose (2 pts)</b>	The purpose for conducting your investigation is clearly and concisely stated ( <b>2 pts</b> )	The purpose for conducting your investigation is vague, too short or too long ( <b>1 pt</b> )	The purpose for conducting your investigation is absent or inaccurate ( <b>0 pt</b> )
<b>Measurements/ Devices (2 pts)</b>	The name, type and reason for use of each measuring device is clearly stated. ( <b>2 pts</b> )	The name, type and reason for use of each measuring device is not always clearly stated or there are omissions. ( <b>1 pts</b> )	How you measured data and the device you used to measure that is missing or inaccurate: ( <b>0 pts</b> )
<b>Methods &amp; Procedures (2 pts)</b>	All steps you took to complete your investigation are clearly indicated and are concise and accurate All retakes, changes and additions that you undertook as part of your investigation are also present in appropriate detail ( <b>2-3 pts</b> )	Most steps you took to complete your investigation are clearly indicated and are concise and accurate Or some steps lack appropriate details or are difficult to follow or additions and changes are missing ( <b>1 pt</b> )	Your investigation contains catastrophic errors so that anyone trying to reproduce your investigation would certainly fail ( <b>0 pt</b> )
<b>Calculations (2 pts)</b>	Sample calculations are present and contain appropriate units and significant figures ( <b>2 pts</b> )	Sample calculations are present although significant figures OR units are absent ( <b>1 pt</b> )	Sample calculations are absent OR significant figures AND units are absent ( <b>1 pt</b> )
<b>Observations &amp; Data (3 – 4 pts)</b>	Observations and/or data are clearly and concisely presented. Units are accurately shown for ALL measurements. All measurements and/or observations are shown in appropriate detail. ( <b>3 - 4 pts</b> )	Observations and/or data are not always clearly and concisely presented OR Units are inaccurately shown for ALL measurements or are missing OR Some measurements and/or observations are shown lacking appropriate detail. ( <b>1 - 2 pts</b> )	Observations and/or data are NOT clearly and concisely presented AND Units are not accurately shown for ALL measurements or are data and observations are missing ( <b>0 pts</b> )
<b>Graphs (As Needed)</b>	Title, X & Y Axis Labels (with units), appropriate graph (no stock market or bar graphs please), scale, data ( <b>5 pts</b> )	1 – 2 items missing or inaccurate ( <b>3 – 4 pts</b> )	Three or more items missing or inaccurate ( <b>0 – 2 pts</b> )
<b>Discussion (8 pts total)</b> Be sure and split these into separate claim, evidence, reasoning and error sections.	You make a specific <b>claim</b> based on the purpose of the lab which is stated clearly and concisely. ( <b>2 pts</b> )	You don't make a specific claim or the claim doesn't relate to the purpose of the lab ( <b>1 pt</b> )	Results are inaccurately stated or missing ( <b>0 pts</b> )
	Specific <b>evidence</b> from your observation/data sheet is used to accurately support your results ( <b>2 pts</b> )	Evidence from your observation sheet is only partially included or does not fully support your results ( <b>1 pt</b> )	Evidence from your observation sheet is incorrectly used to support your results or is not present ( <b>0 pts</b> )
	You clearly and concisely show the relationship between your measurements/observations and your final results using appropriate scientific <b>reasoning</b> ( <b>2 pts</b> )	You show a relationship between your measurements/observations and your final results but it is much too long, too short or your reasoning is unclear at times ( <b>1 pt</b> )	You show a relationship between your measurements/observations and your final results that is wholly inaccurate or is missing altogether ( <b>0 pts</b> )
	A <b>thoughtful discussion of error</b> is present with explanation of how that error occurred AND how that error propagated through your investigation ( <b>2 pts</b> ):	A possible source of error is generally stated and/or no discussion of how that error propagated through your investigation is present ( <b>1 pt</b> ):	

**SCORE:** \_\_\_\_\_