

**LAB POSTER RUBRIC**

Score	Component	Advanced (5)	Proficient (3)	Needs Improvement (1)
	<b>Title &amp; Authors</b>	Title is creative & identifies specific, measurable independent and dependent variables. Authors are listed	Title only includes one variable	Title does not relate to variables
	<b>Background</b>	There is a short paragraph explaining why the experiment was done and the purpose. There is one or more references to what is already known or what has already been done?	The background is missing the purpose of the lab	The background is vague and does not help to explain concepts seen in the lab
	<b>Hypothesis</b>	Hypothesis is testable and clearly stated in "if...and...then..." format. Specifically predicts relationship between dependent and independent variables.	Hypothesis is clearly stated. It predicts the influence of one variable on another.	Hypothesis is poorly stated and doesn't directly mention the variables.
	<b>Materials</b>	Complete, detailed list of materials presented in vertical list format.	Most materials are listed and appropriate.	Materials incomplete or inappropriate for experiment.
	<b>Procedure</b>	Procedure is in vertical list format, accurate, complete, easy-to-follow, and reproducible by another person. Includes diagrams to clarify procedures.	Step by step procedure, generally complete. Minor errors/omissions make it difficult to follow or not always repeatable.	Procedure difficult to follow. Major omissions or errors.
	<b>Data Tables</b>	Data table contains accurate, precise <b>raw data</b> and summary data reported in correct <b>SI units</b> with descriptive <b>title</b> . It is fully boxed and has correct <b>labels and headings</b> .	Data table is inaccurate or missing one of the necessary requirements for a 5	Data table inaccurate, confusing and/or incomplete. Missing units.
	<b>Graphs</b>	Well organized, easy to read graph and/or figures. Descriptive title, appropriate labeling of each axis, keys, units etc.	Well organized, easy to read graph and/or figures. Descriptive title, minor errors in use of units and labeling.	Graph/figures presented in a confusing and/or sloppy fashion. Or graphs do not show relationships with data.
	<b>Conclusion REE</b>	Scientifically valid, logical conclusion, well supported by data. <ul style="list-style-type: none"> <li>- States purpose</li> <li>- Uses numeric data</li> <li>- Reference to hypothesis &amp; findings</li> <li>- States why (scientific phenomena)</li> </ul>	Attempts to address problem and stated hypothesis. Is missing 1 part of a 5	Conclusion is incomplete or illogical. Does not address the problem and hypothesis. Does not include numerical data

	<b>PE</b>	Sources of error identified and explained. Appropriate recommendations made to eliminate errors.	Sources of error identified.	Weak/trivial attempt to identify sources of error.
	<b>PA</b>	Stated the goal of the lab & summarizes final result. Stated what was learned. Made connections to the classroom curriculum and big picture. Made recommendations for follow-up experiments based on results of the lab	Missing part of the requirements for a 5 or is just unclear in some statements in the conclusion	2 or more parts of a 5 are missing. PA section does not mention what was learned or make connections to curriculum
	<b>Text, layout, grammar &amp; spelling</b>	Poster is easy to read The title was clear Lists, diagrams and graphs were used appropriately. Grammar and spelling was correct	Some minor errors in the poster or in grammar and spelling were mostly correct, only minor errors	Poster was hard to understand. Headings were missing & grammar errors were present
	<b>Communication with peers &amp; presentation Skills.</b>	The author(s) was able to answer questions effectively. The Author was clear in their presentation and had a deep understanding of the lab and the concepts. The author was able to present about the experiment and not just read from the poster.	They author could answer some questions. Communication about the topic was unclear at times. Author did not seem to have full knowledge of the lab and what was supposed to be learned.	Authors presentation was difficult to follow. Errors on poster made it hard to understand. Author was unable to answer questions about the poster.
	<b>Total Score</b>	_____ /60		
<b>Notes to the Author (s)</b>				

Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_