

Grading Rubric for Gravitational Force Lab

Criteria	2	1	0
Hypothesis reflects knowledge of key vocabulary	Reflects mastery of key vocabulary.	Reflects knowledge of key vocabulary, but comprehension is not evident.	Reflects limited knowledge or comprehension of key vocabulary or key vocabulary not used.
Clearly articulated written procedures	Identifies all necessary steps for successful experiment, which can be replicated.	Identifies steps but are unclear or incomplete and experiment may not be easily replicated.	Does not identify necessary steps for experimentation and replication.
Accurately identified independent and dependent variables	All independent and dependent variables are accounted for in the experiment.	Most variables are accounted for or all variables are accounted for but have been misidentified as either independent or dependent.	More than 2 variables are not accounted for or more than 2 variables have been misidentified as independent or dependent.
Graph accurately represents all collected data	Uses all available data and accurately represents with titles and units in graph.	Some data is missing from the graphic representation, but title and units are accurately represented in graph.	More than 2 data points are missing, or titles or units are inaccurate or no graph is present.
Conclusion connects evidence (data) with hypothesis	Evidence (data) is directly related to hypothesis in a logical analysis.	Evidence (data) is analyzed logically, but is not related to hypothesis or data is related to hypothesis with minor flaws in logic.	Evidence (data) is not presented or related to hypothesis or significant flaws in logic are present.