

EXPERIMENT RUBRIC

		10	8.5	7	1-6	0	Points
Focus and Purpose	Abstract	*Neatly summarizes the study, its methods, and its findings in one concise paragraph.	*Summarizes the study, its methods, and its findings in one paragraph.	*A summary of the study is present.	*A more complete summary of the study is needed.	*An abstract exists but does not meet the requirements.	
	Introduction	*Main objective is clearly stated, insightful, and complete. *Hypotheses are clear and compelling.	*Main objective is stated, insightful, and complete. *Hypotheses are clear.	*Main objective is stated. *Hypotheses are present.	*Main objective is incompletely stated. *Hypotheses are incomplete, unclear, or vague.	*Main objective is unstated. *Hypothesis has not yet been formed.	
Procedures	Methods	*Methods section clearly and concisely describes the experimental setup, lists measured quantities and the apparatus used to measure them, lists the number of trials taken and explains all calculations.	*Methods section contains all of the elements required, but one description is wordy, unclear or vague.	*Methods section contains all of the elements required, but several descriptions are wordy, unclear or vague.	*Methods section omits one or two of the elements required or is vague in its entirety.	*Methods section is difficult to understand, is incorrect, or omits many required elements.	
	Ethics	*A permission slip is provided that considers any and all consequences participants may encounter.	*A permission slip is provided that considers many consequences participants may encounter.	*A permission slip is provided that considers consequences participants may encounter.	*A permission slip is provided, but may omit areas of ethical concern.	*A permission slip with more specific ethical concerns is needed.	
	Questionnaire	*A questionnaire is provided that addresses all assigned elements considering a plethora of possible variables at play in this experiment.	*A questionnaire is provided that addresses all assigned elements considering possible variables at play in this experiment.	*A questionnaire is provided that addresses all assigned elements of the questionnaire.	*A questionnaire is provided, but omits one or two of the elements required.	*A questionnaire is difficult to understand, is incorrect, or omits many required elements.	
Results	Data	*Data is clearly presented, with correct units and sig figs.	*Data section includes calculated quantities, or one sig fig error.	*Data is correct, but does not have the correct # of sig figs, or is not clearly organized.	*Data does not include units, or units are incorrect.	*Some data is omitted or incorrect, or difficult to understand.	

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	Results	*Calculations are clearly presented, showing all work, and contain the correct # of sig figs. *Results are plausible.	*Calculations could be presented more clearly, or contain 1 sig fig error. *Results are plausible.	*Calculations are correct, but do not have the correct # of sig figs, or is poorly organized. *Results are plausible.	*Calculations contain an error, uncertainty was calculated incorrectly, or work was not shown for calculations *Results are plausible.	*Multiple errors in calculations, or calculations were omitted or uncertainty calculations were omitted. *Results may not be plausible.	
	Conclusion	*Conclusion neatly connects to the purpose and addresses all questions assigned, providing new insight and extends main idea. *Conclusions are appropriately generalized and valid.	*Conclusion restates main ideas and purpose without direct repetition, addressing all questions assigned, and suggests next steps. *Conclusions are appropriately generalized and valid.	*Conclusion directly repeats main ideas, addressing all elements assigned, and includes a relevant final statement. *Conclusions are appropriately generalized and valid.	*Conclusion repeats main idea incompletely and includes an incomplete final statement. *Conclusions are appropriately generalized and valid.	*Conclusion is disconnected from main ideas or goes off in new and unpredictable direction. *Conclusions are not appropriately generalized and valid.	
Language and Mechanics	Grammar	*Outstanding control of spelling, punctuation, syntax, capitalization [do not use contractions]. *Grade-level language skills demonstrate mastery of sentence types and vocabulary. * Fresh or innovative uses of language (writing style) support purpose.	*A few small errors on each page in language or one specific recurring error, but errors in language do not impede sense [do not use contractions]. *Grade-level language skills of vocabulary and sentence types demonstrated regularly. *Style contributes to the effectiveness of the writing.	*Regular errors or patterns of error are noticed, but ideas still come through with only occasional difficulty [do not use contractions]. *Some grade-level language skills are demonstrated; prior skills regularly correct. *Style is appropriate.	*Regular errors or patterns of error interfere with reader understanding. *Grade-level language skills not yet demonstrated; prior skills sometimes demonstrated. * Style is inconsistent or inappropriate at times.	*There are many errors (in every sentence) that inhibit or prevent communication with a reader. *Language skills significantly below grade level. *Style is inappropriate throughout.	
Use of Text	Citation	*All sources are thoroughly and accurately cited. *Main ideas are supported with relevant and significant textual evidence from notes or a scholarly article.	*All sources are cited with very few mistakes. *Main ideas are supported with relevant textual evidence.	*Sources are cited but may need more frequent citation or correct format. *Main ideas are supported with relevant textual evidence.	*Citation is attempted and partially correct. *Main ideas are supported with information.	*Citation is insufficient or missing. See student handbook for plagiarism penalties. *Textual evidence is irrelevant.	
Total (out of 100)							