

Science Investigation Rubric		Name _____			Score _____	
Criteria /Score	4	3	2	1	0	
Question/ Hypothesis	Question (K-4) or hypothesis (5-12) has been thoroughly developed. Hypothesis is correctly stated with both variables identified	Question or hypothesis has been sufficiently developed with reasonable relevancy	Question or hypothesis is partially developed with some relevancy	Question or hypothesis has major flaws and limited or no relevancy	No attempt has been made	
Score						
Investigation Design	Investigation is a well-constructed test of the stated question or hypothesis. All of the grade-level appropriate components (materials, controls, procedure, safety) are arranged so that the investigation can be replicated exactly as described	Investigation is a reasonably constructed test. All of the components are reasonably arranged so that the investigation can be replicated.	Investigation is a partially constructed test. Some of the components are missing, making it difficult to replicate.	Test is not relevant to the question or hypothesis. Information is not sufficient to replicate investigation.	No attempt has been made	
Score						
Methods of Data Collection	Significant data has been collected in the most efficient and appropriate ways. Data is accurately recorded and displayed using the most relevant and organized methods	A reasonable amount of data has been collected in a sufficient manner. Data is recorded and displayed using organized methods.	A minimum amount of data has been collected. Data is recorded and displayed but may lack some organization.	Insufficient data has been collected. Data has not been recorded or displayed in an organized way.	No attempt has been made.	
Score						
Data Analysis: Conclusions, Inferences, & Recommendations	A precise statement of the investigation results relates directly to the question or hypothesis. Clear inferences have been made from an accurate evaluation of the conclusion. Recommendations are clearly consistent with the investigation findings and provide an excellent defense.	A reasonable statement of the results shows a good relationship to the question or hypothesis. Reasonable inferences have been made from the conclusion. Recommendations are reasonably consistent with the investigation findings and provide a good defense.	A statement of the results provides some relationship to the question or hypothesis. Inferences are minimally supported by the conclusion. Recommendations are inconsistent with the findings and provide a questionable defense.	A statement of the results shows no relationship to the question or hypothesis. Inferences are not supported by the conclusion. Recommendations show no relationship to the findings and provide a poor defense.	No attempt has been made	
Score						
Total Scores						

