

Science Fair Project: 4th - 6th Grade - Experiment

Category	2	1	0	Points Awarded
Problem/Hypothesis: Problem is clearly identified and hypothesis is focused	Both problem and hypothesis are well-stated	Only one of these elements are well-stated	Hypothesis is not stated or unclear	
Research: Evidence of research of additional resources to provide background information as context for experiment	Research paragraph is well-written and at least three sources are cited at bottom or board or in report	Research paragraph is less than fully developed and/or insufficient resources cited	Paragraph and/or sources are not evident	
Design: Plan is well-suited to answer the question—use of variables and constants is clear	Design is clearly communicated on board or in report	Design is partially developed	Design is not evident	
Implementation: Materials, methods, and procedures are evident from board and/or presentation	Clear and evident for all aspects of the experiment	Evident for some but not all aspects of the experiment	Not evident	
Results/Analysis: Results are summarized, clearly articulated, and plausible	Results are clearly communicated using data, graphs, or tables as appropriate	Results are stated without sufficient graphical representation	Results are not evident	
Conclusions: Conclusions are consistent with results	Conclusions are consistent with results obtained	Conclusions are somewhat consistent with results obtained	Conclusions are not evident or inconsistent with results	
Interpretation: Conclusions are explained with reasonable explanation	Well-developed interpretation with reasonable explanation	Partially developed interpretation with reasonable explanation	Interpretation not evident	
Real-World Application: Reference to wider implications are clear, present, and well-stated	Discussion of relevance to real-world strongly developed	Discussion of real-world relevance partially developed	Discussion of real-world relevance not evident	

Student Name _____