

Science Project Judging Scorecard*

Standard An Namer	Crede Level:						
Student's Name:	Grade Level:						
Project Category:	Date:						
Project Title:	Project #:						
Judge's Name:	Final Score:						
	Superior	Above Avg.	Average	Below Avg.	No Evidence		
Experimental Design Process (42 points)							
1. Presented a question that could be answered through experimentation.	6	4.5	3	1.5	0		
2. Accessed a minimum of three, age-appropriate sources for background research, addressing all key scientific concepts of the project.	6	4.5	3	1.5	0		
3. Developed a hypothesis based on the background reading and identified independent and dependent variables.	6	4.5	3	1.5	0		
4. Developed a good experimental procedure for testing the hypothesis, including use of control variables.	6	4.5	3	1.5	0		
5. Demonstrated ability to carry out the experimental procedure to an age- appropriate level of precision.	6	4.5	3	1.5	0		
6. Solved problems that arose with the experimental procedure. If necessary, re- designed the procedure and tried experiment(s) again.	6	4.5	3	1.5	0		
7. Investigated an original question or used an original approach or technique.	6	4.5	3	1.5	0		
Opportunities for Improvement:				<u></u>			

* This scorecard assumes students understand dependent, independent, and controlled variables.

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	Superior	Above Avg.	Average	Below Avg.	No Evidence
Data Collection & Conclusions (40 points)					
8. Ran sufficient trials (at least three).	12	9	6	3	0
9. Derived conclusions from appropriately organized and summarized data.	12	9	6	3	0
10. Clearly related conclusions back to the hypothesis, key scientific concepts, and background research.	12	9	6	3	0
11. Bonus points for an overall superior project.	4	3	2	1	0
Presentation / Interview (18 points)					
12. To what extent does the student's presentation/interview provide a thorough picture of the project (question, background information, hypothesis and variables, materials and procedures, data charts and graphs, results, conclusions)?	6	4.5	3	1.5	0
13. To what extent can the student communicate effectively about the project? Can the student provide cogent responses to questions? Can the student defend the experimental design choices and conclusions that s/he made?	6	4.5	3	1.5	0
14. Does the student's lab notebook provide ample evidence of how the student though through the experimental process and collected data?	6	4.5	3	1.5	0

Opportunities for Improvement:

Total Score:

/ 100

General Comments/ Notes: