

Phillip O Berry STEM Fair Judging Rubric

Student's Name (s):	Project #:				
Project Category: Math or Science (circle one)	Judge:				
Project Title:					
	Superior	Above Average	Average	Below Average	No Evidence
Scientific Method					
1. Clear and specific question	4	3	2	1	0
2. Clear and specific hypothesis identifying independent and dependent variables	4	3	2	1	0
3. Developed good procedures for testing the hypothesis, including use of control variables	4	3	2	1	0
4. Clear and thorough processes for data observation and collection	4	3	2	1	0
5. Ran sufficient trials	4	3	2	1	0
6. Accurate experimental techniques	4	3	2	1	0
7. Complete and thorough data (logs, graphs, tables, photos etc)	4	3	2	1	0
8. Derived conclusions from appropriately organized and summarized data	4	3	2	1	0
9. Related conclusions back to the hypothesis	4	3	2	1	0
Opportunities for Improvement:					
Scientific Knowledge					
10. Clearly identified and explained key scientific concepts relating to the experiment	4	3	2	1	0
11. Used STEM principles correctly in the experiment	4	3	2	1	0
12. Student suggests changes to the experimental procedure and/or possibilities for further study while evaluating the success and effectiveness of the project.	4	3	2	1	0
Opportunities for Improvement:					
Presentation					
13. Neat, well organized, and visually appealing	4	3	2	1	0
14. Included key components to provide a thorough piece of the project (title, variables, hypothesis, summary of research findings, materials and procedures, data charts, graphs and/or pictures, results and conclusion)	4	3	2	1	0
15. Presenter is able to answer questions related to the project	4	3	2	1	0
Opportunities for Improvement:					
TOTAL SCORE: ____/60					