

Science Fair Project Rubric

Teacher Name: **Mrs. Fetters**

Student Name: _____ Project Number : _____

CATEGORY	4	3	2	1
Display 30 points	Each element in the display had a function and clearly served to illustrate some aspect of the experiment. All items, 6, graphs etc. were neatly and correctly labeled. 30 pts.	Each element had a function and clearly served to illustrate some aspect of the experiment. Most items, 6, graphs etc. were neatly and correctly labeled. 23 pts	Each element had a function and clearly served to illustrate some aspect of the experiment. Most items, 6, graphs etc. were correctly labeled. 15 pts	The display seemed incomplete or chaotic with no clear plan. Many labels were missing or incorrect. 8 pts
Scientific Thought 140 points	True experiment; work appears complete and appears to be completed mostly by the student with minimal adult help. 140 pts	True experiment; needed more planning. Scientific principle investigated is below grade level. 100 pts	True experiment; Little evidence of planning; seems to have involved significant adult help. Scientific principle investigated is below grade level. 70 pts	No experiment or survey was completed. Scientific principle investigated is below grade level. 30 pts
Problem Purpose Hypothesis 30 points	Independently identified a question, stated the purpose, & developed a hypothesis which was interesting to the student & which could be investigated. 30 pts	Identified two of the required elements. 23 pts	Identified one of the required elements. 15 pts	No problem, purpose or hypothesis stated. 8 pts
Background Research 100 points	All required elements of the paper are included with the project. Research is at least one page or more. 100 pts	One to two required items are missing. Research is $\frac{3}{4}$ of a page. 80 pts	Three to four required elements are missing. Research is less than $\frac{1}{2}$ pages. 60 pts	Paper is submitted, but research is not sufficient and five or more required elements are missing. 30 pts
Data Collection 20 points	Data was collected several times. It was summarized, independently, in a way that clearly describes what was discovered. 20 pts	Data was collected more than one time. It was summarized, independently, in a way that clearly describes what was discovered. 15 pts	Data was collected more than one time. Adult assistance was needed to clearly summarize what was discovered. 10 pts	Data was collected only once and adult assistance was needed to clearly summarize what was discovered. 5 pts
Materials & Description of Procedure 20 points	Procedures were outlined in a step-by-step fashion that could be followed by anyone without additional explanations. All materials are listed. 20 pts	Procedures were outlined in a step-by-step fashion that could be followed by anyone without additional explanations. One material is not listed. 15 pts	Procedures were outlined in a step-by-step fashion, but had 1 or 2 gaps that require explanation. Two or more items are not listed. 10 pts	Procedures that were outlined were seriously incomplete or not sequential. Three or more materials are missing. 5 pts
Results/ Diagrams 20 points	Provided an accurate, easy-to-follow diagram with labels to illustrate the procedure or the process being studied. All calculations are correct. 20 pts	Provided an accurate diagram with labels to illustrate the procedure or the process being studied. Minor calculation error. 15 pts	Provided an easy-to-follow diagram with labels to illustrate the procedure or process, but one key step was left out. Incomplete or calculation error. 10 pts	Did not provide a diagram OR the data was quite incomplete. Calculations not shown. 5 pts

Conclusion/ Summary 20 points	Student provided a detailed conclusion clearly based on the data and related to previous research findings and the hypothesis statement(s). 20 pts.	Student provided a somewhat detailed conclusion clearly based on the data and related to the hypothesis statement(s). 15 pts	Student provided a conclusion with some reference to the data and the hypothesis statement(s). 10 pts	No conclusion was apparent OR important details were overlooked. 5 pts
Grammar/ Mechanics 20 points	No more than 1 spelling or grammatical error. Great sentence structure. 20 pts	Two to five errors in mechanic. Good sentence structure. 15 pts	Five to ten errors. Sentence structure is fair. 10 pts	More than 10 errors. Sentence structure is poor. 5 pts
Required Elements 50 points	The project includes all required elements. 50 pts	All but 1 required element are included. 40 pts	All but 2 of the required elements are included. 25 pts	More than 3 required elements are not included. 10 pts
Log 50 points	Student provided a detailed account of events leading to the project's completion. At least 4 or more days per week were noted. 50 pts	Student averaged three entries per week. 40 pts	Student averaged two entries per week. 25 pts	No log book with project or only averaged one entry per week. 5 pts
Total Points Possible 400	Your Points			