

Science Fair Experiment : Science Fair Rubric

Teacher Name: **Mr. Jones**

Student Name: _____

CATEGORY	4	3	2	1
Idea	Independently identified a question which was interesting to the student and which could be	Identified, with adult help, a question which was interesting to the student and which could be investigated.	Identified, with adult help, a question which could be investigated.	Identified a question that could not be tested/investigated or one that did not merit investigation.
Variables	Independently identified and clearly defined which variables were going to be changed	Independently identified which variables were going to be changed (independent	With adult help, identified and clearly defined which variables were going to be changed	Adult help needed to identify and define almost all the variables.
Descripton of Procedure	Procedures were outlined in a step-by-step fashion that could be followed by anyone without	Procedures were outlined in a step-by-step fashion that could be followed by anyone without	Procedures were outlined in a step-by-step fashion, but had 1 or 2 gaps that require explanation	Procedures that were outlined were seriously incomplete or not sequential, even after adult

Hypothesis Development	Independently developed an hypothesis well-substantiated by a literature review and	Independently developed an hypothesis somewhat substantiated by a literature review and	Independently developed an hypothesis somewhat substantiated by a literature review or	Needed adult assistance to develop an hypothesis or to do a basic literature review.
Data Collection	Data was collected several times. It was summarized, independently, in a way that clearly	Data was collected more than one time. It was summarized, independently, in a way that clearly	Data was collected more than one time. Adult assistance was needed to clearly summarize what was	Data was collected only once and adult assistance was needed to clearly summarize what was
Diagrams	Provided an accurate, easy-to-follow diagram with labels to illustrate the procedure or the	Provided an accurate diagram with labels to illustrate the procedure or the process being studied.	Provided an easy-to-follow diagram with labels to illustrate the procedure or process, but one key step was	Did not provide a diagram OR the diagram was quite incomplete.
Display	Each element in the display had a function and clearly served to illustrate some aspect of the experiment. All	Each element had a function and clearly served to illustrate some aspect of the experiment. Most	Each element had a function and clearly served to illustrate some aspect of the experiment. Most	The display seemed incomplete or chaotic with no clear plan. Many labels were missing or incorrect.
Conclusion/Summary	Student provided a detailed conclusion clearly based on the data and related to previous research	Student provided a somewhat detailed conclusion clearly based on the data and related to the	Student provided a conclusion with some reference to the data and the hypothesis statement(s).	No conclusion was apparent OR important details were overlooked.