

Science Fair Experiment : MAEDA Science Fair

Student Name:

CATEGORY	4	3	2	1
Introduction and Hypothesis	Student provides a detailed introduction to the topic that is being studied. Clearly explains necessary background information, the purpose of the lab, and the hypothesis for the lab that was run. Section demonstrates deep understanding of the topic.	Student provides an adequate introduction to the topic that is being studied. Explains background information, purpose, and hypothesis for the lab, but some details are missing. Section demonstrates an adequate understanding of the topic.	Student provides an fair introduction to the topic that is being studied. Background information, purpose, and hypothesis for the lab are present, but one section is missing. Section demonstrates a fair understanding of the topic.	Student provides an poor introduction to the topic that is being studied. Background information, purpose, and hypothesis for the lab are either poorly done or missing. Section demonstrates a poor understanding of the topic.
Description of Procedure	Procedures were outlined in a step-by-step fashion that could be followed by anyone without additional explanations. Shows clear and numerous modifications from the original procedure that was provided.	Procedures were outlined in a step-by-step fashion that could be followed by anyone without additional explanations. Shows clear modification from the original procedure that was provided.	Procedures were outlined in a step-by-step fashion, but had 1 or 2 gaps that require explanation. Only minor changes to the original procedure that was given.	Procedures that were outlined were seriously incomplete or not sequential. No modifications were made to the original procedure that was provided.
Data Collection	Data was collected several times. It was summarized, independently, in a way that clearly describes what was discovered. Tables and graphs are professional looking and clearly convey the results from the lab. All tables and graphs have numbers and captions.	Data was collected more than one time. It was summarized, independently, in a way that clearly describes what was discovered. Tables and graphs are professional looking although results are unclear. Some tables and graphs are missing numbers and captions.	Data was collected more than one time. Adult assistance was needed to clearly summarize what was discovered. Tables and graphs are present, but do not look professional. Tables and graphs are missing numbers and captions.	Data was collected only once and adult assistance was needed to clearly summarize what was discovered. Few tables and graphs are present and do not look professional. Tables and graphs are missing numbers and captions.
Conclusion/Summary	Student provided a detailed conclusion clearly based on the data and related to previous research findings and the hypothesis statement(s). Student provides detailed and descriptive discussion of what data means for future research.	Student provided a somewhat detailed conclusion clearly based on the data and related to the hypothesis statement(s). Student provides discussion of what data means for future research.	Student provided a conclusion with some reference to the data and the hypothesis statement(s). Student discussion of what data means for future research, but discussion shows clear lack of reflection.	No conclusion was apparent OR important details were overlooked. Student discussion of what data means for future research is missing.
Presentation	Presentation of material on poster shows a clear depth of knowledge in regards to the topics being covered. Student demonstrates clear professionalism while presenting. Presentation was informative and provided new insights to the topics being	Presentation of material on poster clearly covers all required topics. Student demonstrates clear professionalism while presenting. Presentation was informative and covered the required points.	Presentation of material on poster covers most of the required topics, but one section is missing. Student demonstrates some professionalism while presenting.	Presentation of material on poster covers few of the required topics. There are multiple sections that are missing from the presentation. Student demonstrates a lack of professionalism while presenting.
Poster	Poster is professional looking and a clear amount of time and effort has been put into the overall design on the poster. Poster clearly indicates the	Poster is complete and covers all required points. Poster clearly indicates the topics being covered.	Poster is mostly complete, but one section is missing from the poster. More time and effort could have been put into the overall poster display.	Poster is mostly incomplete. Multiple sections are missing and little to no effort appears to have been put into its overall design.
Partner Collaboration	Both partners contributed equally. There were no difficulties that arose between partners	One partner contributed more to the project than other. There were minor difficulties between the group members	One partner did the majority of the work for the project. There were major difficulties between the group members	One partner did all of the work for the project. There were major difficulties between the group members