



SCIENCE FAIR (2024-2025) JUDGING CRITERIA

Grade: _____

Student's Name: _____

Project Name: _____

CATEGORY	4	3	2	1	SCORE
Hypothesis Development	Developed a hypothesis which was interesting to the student and which could be investigated.	Developed a hypothesis which was interesting to the student but lacked a thorough investigation.	Developed a hypothesis somewhat substantiated by an idea.	Did not develop a hypothesis.	___/4
Variables	Identified and clearly defined which variables were going to be changed (independent variables) and which were going to be Measured (dependent variables).	Identified which variables were going to be changed (independent variables) and which were going to be measured (dependent variables) which required some clarification.	Missing either the variables were going to be changed (independent variables) OR which were going to be measured (dependent variables).	Variables were missing or student sought the assistance of an adult.	___/4

Description of Procedure (written and oral)	Procedures were outlined in a step-by step fashion and with exceptional clarity.	Procedures were outlined in a step-by step fashion however, there were some discrepancies with clarity.	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.	___/4
Data Collection	Data was collected several times. It was summarized, independently, in a way that clearly describes what was discovered.	Data was collected more than one time. It was summarized, independently, in a way that clearly describes what was discovered.	Data was collected more than one time. Adult assistance was needed to clearly summarize what was discovered.	No data was collected.	___/4
Diagrams/Pictures	Provided an accurate, easy-to-follow diagram or pictures with labels to illustrate the procedure or the process being studied.	Provided an accurate diagram or pictures with labels to illustrate the procedure or the process being studied.	Provided an easy-to follow diagram or pictures with labels to illustrate the procedure or process, but one key step was left out.	Did not provide a diagram OR the diagram was quite incomplete.	___/4
Display (Scientific Process)	Each element in the display had a function and clearly served to illustrate some aspect of the experiment. All items, graphs etc. were neatly and correctly labeled.	Each element had a function and clearly served to illustrate some aspect of the experiment. Most items, graphs etc. were neatly and correctly labeled.	Each element had a function and clearly served to illustrate some aspect of the experiment. Most items, graphs etc. were correctly labeled.	The display seemed incomplete or chaotic with no clear plan. Many labels were missing or incorrect.	___/4

Conclusion/Summary	Student provided a Detailed conclusion clearly based on the data and related to previous research findings and the hypothesis statement(s).	Student provided a somewhat detailed conclusion clearly based on the data and related to the hypothesis statement(s).	Students provided a conclusion with some reference to the data and the hypothesis statement(s).	No conclusion was apparent OR important details were overlooked.	___/4
Presentation	Includes a demonstration of your prototype. Scientific Process clearly explained. Explanations are clear, brief, and precise. Students are able to address questions from the judges.	Demonstration is there but explanations lacked clarity and are repetitive. Some information is understandable. Students are not able to address all questions from the judges.	Demonstration is there but explanations lacked clarity and are repetitive. Most of the valuable details are missing or not clear. Students are shy in answering questions.	Students are unable to explain their experiment OR explanations are very brief and basic. Students are unable to answer the judges' questions.	___/4
Total					___/32

(30-32) – Gold (26-29) – Silver (22-25) – Bronze (Participation – rest)