

Experiment Project Scoresheet

Student: _____ Total Points (22): _____

Project Name: _____

Judge: _____

Category	0 Points	1 Point	2 Points	3 Points
Title, purpose, and hypothesis (2 points possible)	No title, purpose, or hypothesis is present	A title is present. Student makes an effort to explain purpose and hypothesis	Student clearly points out title, states problem and purpose. Then explains hypothesis.	
Procedures and Materials (2 points possible)	Neither a procedure nor a materials section is present.	Either a procedure or a materials section is present.	Procedure is broken into steps and clearly explained. All materials referred to in procedure are listed in a materials section.	
Variables and Controls (2 points possible)	No variables are labeled.	Control, independent, and dependent variables are labeled.	Control, independent, and dependent variables are labeled. Student understands the difference between dependent and independent variables. Student understands the concept of a control.	
Data (3 points possible)	No data is displayed in table or chart form.	Some data is included and referred to, but may not include 3 trials (or 10 human subjects in the event of a human experiment). Tables and/or charts were employed, but perhaps incorrectly.	At least 3 trials are included (or at least 10 subjects for experiments on humans). Tables and/or charts are present, but incomplete or incorrectly employed	At least 3 trials are included (or at least 10 subjects for experiments on humans). Appropriate tables and/or charts are employed to display data.
Analysis (3 points possible)	Student does not make an attempt to explain charts or tables.	Student attempts to explain and interpret the data and charts, but makes many errors and is confused about some details.	Student can explain and interpret most of the data and charts.	Student can explain and interpret all charts and tables.
Content Knowledge (3 points possible)	Student makes no attempt to demonstrate content knowledge.	Student makes an attempt to use content vocabulary, but makes many errors and does not seem to understand the relevant concepts.	Student demonstrates some content knowledge, but may not fully grasp all concepts to grade level. Vocabulary terms are used, but potentially incorrectly.	Student demonstrates content knowledge appropriate to grade-level. Content vocabulary is used correctly and used to explain the outcome of the experiment.

(OVER)

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Conclusion (3 points possible)	No attempt is made to explain the outcome of the experiment.	Student makes an attempt to explain the outcome of the experiment, but does not demonstrate understanding of the experiment.	Student has an opinion about whether or not the hypothesis was confirmed, but may be confused about some details.	Student is able to explain whether or not the data confirmed his/her hypothesis and why.
Real-life connections (2 points possible)	Student makes no attempt to connect the results of the experiment with real life.	Student attempts to connect the results of the experiment with a real-life connection, but doesn't quite succeed or lacks clarity.	Student convincingly connects the results of the experiment with a real-life application.	
Effective closure (2 points possible)	Student does not effectively end the presentation, forcing the judge to end it.	Student wraps up the presentation prematurely, but does thank the judge and shake hands	Student effectively wraps up the presentation after presenting all items with a thank you and a hand shake.	

Comments: