

## Science Fair Display Board Evaluation

### Explanations Update 22 Jan. 2015

Directions: this rubric is not to be used to score a Science Fair Display board but as a guide to what is expected from a display. Use this form to help design your display for maximum points. The actual project may not include every item listed below. There will be enough points to fairly score every type of experiment.

Category	Evaluation- Excellent	Evaluation-Good
Project Title	Project title is displayed on board neatly, is large enough to read from across the room, contains no grammar or spelling errors, is creative, and gives the audience a clear understanding of the project.	Project title is displayed on board neatly, is large enough to read from across the room, contains no grammar or spelling errors.
<b>Scientific Method</b>		
Defines the Problem- Investigative Question	The purpose is clearly stated and readily identifies what you hope to learn.	The purpose is identified, but is not completely specific or focused.
Hypothesis	Hypothesis is testable and directly correlates to the purpose. It is stated as an if/then statement.	Hypothesis correlates to the purpose but is not stated as an if/then statement.
Materials	Materials are appropriate for the experiment and reproducibility is possible, though limited to certain audiences. Showed information about size and units of measurement.	Materials are appropriate for the experiment but reproducibility is uncertain. List was not specific for all items regarding sizes and units of measurement.
Test the Hypothesis- Procedure	Student used appropriate materials and correctly stated the procedure so that anyone wishing to do the experiment can perform it and get the same results.	Student used appropriate materials and stated the procedure so that anyone wishing to do the experiment can perform it but must guess what to do at 1-2 steps.
Classify and Analyze the Data <b>What I Learned From the Project</b>	Mostly explains data and tells what happened in the experiment. If no data were provided, a reader would still understand what happened in the experiment.	Almost explains data and tells what happened in the experiment. The reader must see a chart or graph to gain a clear understanding of the project's results.
Choose and Verify the Answer <b>My Hypothesis Was..</b>	Has a thorough explanation for why the hypothesis was correct/incorrect using data from the test and specific scientific concepts discovered during testing or prior from research.	Has a well thought out explanation for why the hypothesis was correct/incorrect Didn't use data from the test but specific scientific concepts were used.
Predict Outcomes	Explains how the results of this experiment can be applied to future experiments or recommendations for further study.	Explains how the results of this experiment can be applied to future experiments
<b>During and after the Experiment</b>		
Variables	Describes all variables and they are clearly described.	Describes some variables and they are clearly described
Controls	All controls are clearly listed.	All major controls are clearly listed.
Data Table(s)	Table(s) of all trial data is included and uses the appropriate numerical measurements. A table of average data is also included. All tables are clearly organized with labels and units.	Table(s) of all trial data is included and uses the appropriate numerical measurements. A table of average data is also included. Tables are not clearly organized with labels and units.
Graph(s)	The correct type of graph(s) were chosen to represent data. Title is clear and summarizes data. All axis are labeled and include appropriate units.	The correct type of graph(s) were chosen to represent data. A combination of any one of the following: title or axis label not included or were not correct.
Student Photos	Many pictures were displayed showing student working on each part of the project and providing a complete visual representation of each step.	Pictures of student were displayed showing the student working on parts of the project.
Diagrams	Documentation of experiment is shown in some graphical way.	Some graphics but difficult to relate to experiment.
References	Minimum (2) reputable background sources were used and cited correctly.	Minimum (1) reputable background sources were used and cited correctly.
<b>Overall Appearance</b>		
<b>Mechanics</b>	All sentences are grammatically correct - Outstanding use of punctuation, spelling, capitalization, verb tense. Sentences are varied in length and word choice.	Sentences are grammatically correct - Some errors in punctuation, spelling, capitalization, verb tense.
<b>Visuals</b>	Neat and clearly labeled - Includes all required information Effective use of color - Appropriately sized	Neat and most labels are present - Visuals include all required information -

		Adequate use of color with some lead pencil - Appropriately sized
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