

# GRADING RUBRIC

## Overall Appearance and Organization of Display

Board: \_\_\_\_\_/25 pts

- All parts of project are included and clearly labeled.
- All parts are in a sequential order.
- Board is neat and attractive.
- There are few or no spelling errors.
- Good grammar is used throughout the writing.
- All photographs have captions.
- All graphics, not made by student(s), say where they came from below.
- All diagrams include labels and titles.
- Board parts are labeled with titles, such as **Hypothesis**, or **Results**, etc.).

**Question/Problem:** \_\_\_\_\_/5 pts

- Your experimental question.

## Background Research and Definitions:

\_\_\_\_\_ /10 pts

- Paragraph with info discovered in 3 different sources, with at least 3 facts from each source.
- All research should be in your own words.
- Definition(s) of one or more science words in the Experimental Question.

**Hypothesis:** \_\_\_\_\_/5 pts

- A statement that you can test that might answer your experimental question above.
- Statement must explain **WHY** the student(s) believed this was the answer.

## Experimental Materials:

\_\_\_\_\_ /5 pts

- List of items needed for experiment.
- Include **ANY** and **ALL** specific sizes, colors, quantities, etc.
- Note: **ALL** measurements must be done in metric.

## Experimental Procedure:

\_\_\_\_\_ /10 pts

- Very specific, sequential steps of the experiment. This should be a numbered list of instructions, like in a recipe. Even the tiniest steps should be included so any judge can duplicate your experiment **EXACTLY** the way you carried it out at home.
- Indicates at least 3 repeated trials.
- Indicates the variables.

**Results:** \_\_\_\_\_ /10 pts

- At least one table **AND** at least one graph (line, bar, pie, or other graphic display of data).
- All tables and graphs **MUST** have their **OWN** titles to explain their data.
- Multiple trials are shown.

**Data Analysis:** \_\_\_\_\_ /10 pts

- A short paragraph description of the results found in the tables and graphs from above using **WORDS** instead of just numbers and graphics, as they were above. Some numbers may, of course, be used.

**Conclusion:** \_\_\_\_\_ /15 pts

Written in 1-3 paragraphs, answer **ALL** of the following:

- Was the hypothesis correct or incorrect?
- What was the answer to the experimental question? Use data to support this answer, but you do not need to repeat the Data Analysis section above.
- How was your experiment limited? Did you have any problems or have things you should have done differently?
- Why do you think the results turned out this way?
- How does your experiment's results apply to the real world?
- What else are you wondering about your topic now because of these results?

**References and Acknowledgements:** \_\_\_\_\_/5 pts

- Your research bibliography
- Anyone you would like to thank for their assistance with this project.

**FINAL GRADE:** \_\_\_\_\_