Science Fair Write-up Basics

General Rules

1. Must have a title (should be *catchy* and an attention getter)
2. Steps of the scientific method are subtitles. They should be in bold or underlined.
3. Information in the subtitles should be written in paragraph form (except the procedure section).
4. An **abstract** is needed with a science fair project. This is a brief synopsis (explanation) of your experiment. The following information must be provided: research, description of methodologies used, main results determined, and a highlight of the significance of these results either in everyday life or in industry. It should not exceed 250 words (brief).

I. **Problem**- Should be stated as a question (with a question mark)
II. **Research**- Write a passage (in paragraph form) that states the information you know about the topic and any scientific information regarding the concept. You must site your research (write down where you received your information from)

III. **Hypothesis**- Answer each of the following in paragraph form

1. What do you think will happen?
2. Why do you think this? (this has to be based upon the research you provided)
3. Restate what you think and why in the *If…then…* format

IV. **Materials**- list all the supplies needed

V. **Procedure**- How will you test the hypothesis? List what you plan to do step-by-step. (not written in paragraph form)

VI. **Results/ Data**- Your gathered information and data is recorded here.

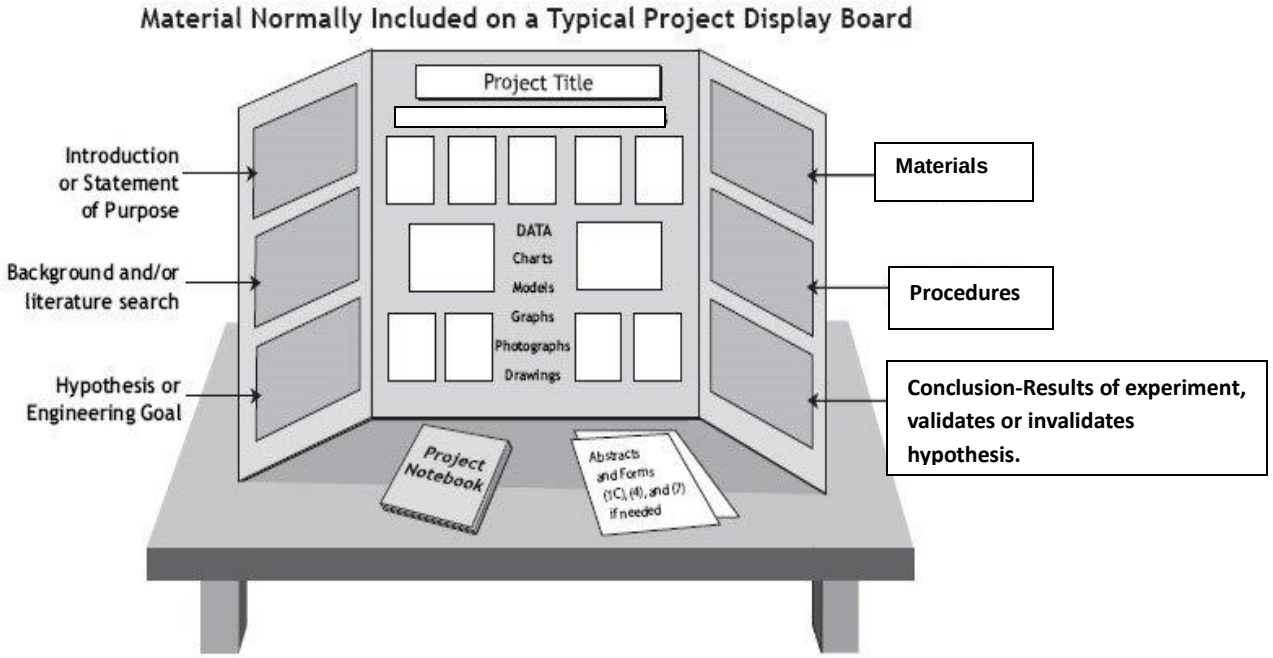
1. Create a data table before you begin your experiment. Record your data in your data table.
2. The independent variable should be listed first on your table (generally in the first column)
3. The dependent variable should be listed after the independent variable in the table
4. Always create a graph If you gather numerical data
5. The independent variable should be listed on the x-axis
6. The dependent variable should be listed on the y-axis
7. Restate (in paragraph form) what the table and graph reads and any other observations gathered

VII. **Conclusion**- <u>Answer the following</u> in paragraph form

1. Was your hypothesis correct or incorrect?
2. What part of the data collected supports this?
3. Were there any complications encountered in the experiment?
4. How could the experiment be improved?
5. How could you extend this experiment? (What could you do in the future?)

Science Fair Write-up Basics

How to organize a science fair board



- ⇒ Remember, <u>presentation is everything</u>. The information should flow.
- ⇒ The center of the board should be the attention grabber. It should hold all the data of the experiment, any pictures, etc.
- ⇒ The right flap should hold the remaining information. The abstract should be placed on the table in front of the experiment.
- ⇒ Do not handwrite your information**. Type** your information
- ⇒ **NEVER** write directly on the board
- ⇒ **NEVER** place white paper on top of the white board. Instead place a colored sheet of paper between the board and your printed information.

Science Fair Project Due Dates:

Section	**Due Date**	**Grading Policy**
Problem	9/21 & 9/22	1 project grade
Research	9/29 & 9/30	1 project grade
Hypothesis	10/1 & 10/2	1 project grade
Materials/ Procedure	10/1 & 10/2	1 project grade
Data/ Observations	10/21 & 10/22	1 project grade
1st Draft of project(w/ conclusion)	11/5 & 11/6	1 project grade
2nd draft -FINAL	11/11 & 11/12	1 project grade
Template Board Due	11/16 & 11/17	1 project grade
Final Project Board Due	12/1 & 12/2	**1 test grade**