SCIENCE 6 SCIENCE FAIR FINAL PAPER

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SCIENCE FAIR FINAL PAPER**

due on **February 16, 2012**

The **Science Fair Final Research Paper** is the second to the last task in the science fair project. This final paper is made by putting together all the parts of the scientific method, all the papers you have already handed in from the start. There are a few pages that were not handed in before. (The pages with \* are the ones that you did not hand in.)

The final paper must be typewritten using a font size of 12. You may use Arial, Garamond, Times New Roman, Cambria or any similar fonts. Use double space for your paragraphs. Remember to use regular white copy paper, a folder or binder to put the paper together.

Your final report must include the following pages:

Title Page\*

Acknowledgment Page\*

Abstract\*

Table of Contents\*

Review of Related Research

Problem, Hypothesis and Variables

Experimental Design – Materials and Procedure

Data Gathering – charts and tables

Data Analysis

Conclusion

References and/or Sources\*

**Title Page\***

The title page must contain your problem or hypothesis. Use something that will catch the attention of a reader much like the cover of a book can do to a reader. It must also contain your complete name, your grade level, your school, the town/city of your school and its zip code.

**Acknowledgment Page\***

Use this page to mention all those people who helped you with the project. This is also the part of the paper where you can thank them. Write their complete names and how they helped you with your experiment or your paper.

**Abstract\***

This is one of the few parts that you have not done before. The abstract is a summary of your experiment. Judges and other scientists who are interested in your experiment will read this. When they do, they must have a very good idea of what your experiment is all about, what you did and what you discovered. The abstract includes the problem, hypothesis, variables, a brief description of your procedure and the results. You also need to write your conclusion in the abstract.

**Table of Contents\***

This part where you list down the parts of your paper and the pages they are found.

**Review of Related Research/Literature**

Before you made this research, there were some people who did this or did something similar to this experiment. You may have read some information about an activity or experiment someone did before you. This is the part where you describe what they discovered or what they said.

**Problem, Hypothesis and Variables**

This is the part where you will write the complete problem, your educated guess or hypothesis, the independent and dependent variables you used in your experiment.

**Experimental Design**

This are the pages where you will list down all the materials you used. You will also include all the steps you took to perform the actual experiment or what we call the procedure.

**Data Gathering**

While you are doing your experiments, you are also gathering the data you need, all the information that will help you support (or not) your hypothesis. Using charts, tables and graphs will help the reader and the judges understand your data better.

**Data Analysis**

This is the page(s) where you will interpret the data you gathered. This will help the readers and the judges see what each information means and how they affect your hypothesis.

**Conclusion**

The conclusion must indicate your hypothesis. Then, based on your data analysis, you will write if your experiment showed that the hypothesis you made is right. If the data does not support your hypothesis, make some explanation why this is so. You may also include some recommendations to other students who wish to do the same experiment so that theirs will (also) be successful.

**References and/or Sources (others call this the Bibliography)\***

When you started the scientific method, you read about other experiments or activities from either books, journals or the internet. This is the part that you have to write what those books, journals or websites are.

To read more about writing a paper and/or designing your board, the following are links to sites that can help you further understand your task:

<http://mset.rst2.edu/portfolios/l/lautz_s/Science%20Fair%20Handbook/Researchpaper.html>

<http://massscifair.org/documents/student_guide.pdf>

<http://www.sciencebuddies.org/science-fair-projects/project_final_report.shtml>

<http://www.youtube.com/watch?v=5r6_mhvfyyA>