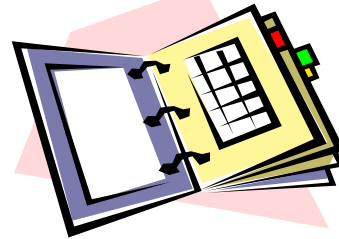


Invention Fair Project Report

Below is the outline that is to be used to create your invention fair report. Each section is a new page, but most of the sections are brief. The contents of your report should reflect the project that was completed. Please be sure to use the template provided in class on the computers.

A. Title page

- a. Project title
- b. Your name
- c. Teacher
- d. School
- e. Fun graphic- optional



B. Table of Contents:

- a. List all of the sections included and page number that the first item can be found on.
- b. Do this last!

C. Abstract

- a. Already done... just put a fresh copy in here! (125-200 words!)

D. Acknowledgements

- a. This is where you thank everyone and anyone who has helped you...
- b. Examples would be parents that purchased items, people who took you to a particular place, someone who lent you materials etc.
- c. Not very long at all, maybe a paragraph.
- d. This is the only section that can be in 1st person.



E. Background Research

- a. Some students have already done this... YEA!
- b. Examine the scientific process that you are manipulating.
- c. This section requires research
- d. At least one paragraph, no more than one page

F. Statement of the Problem

- a. What is the experimental question?
- b. What was the process that you were manipulating?

G. Statement of the Hypothesis

- a. What was the original hypothesis and WHY!
- b. Can it be backed up with any reasoning?

H. Procedure

- a. Find the original experiment that was first written. Make any adjustments that were made as the experiment was completed and you are done!
- b. Remember that it must include... in this order please!
 - i. Title
 - ii. Safety symbols if necessary
 - iii. Materials list, be sure to include quantities
 - iv. State what the control is.
 - v. Explain what the variations of the variable are.
 - vi. Procedure- the meat of the sections
 1. Be sure that it is step-by-step, numbered- *not a paragraph!*

I. Findings/ Data

- a. This is the data and observations.
- b. This section does not require any additional writing; just gather all observations!
- c. Include data tables, typed. (Handwritten will be placed in the appendix.
- d. Include qualitative observations.... Sketches, diagrams, pictures.

J. Conclusions:

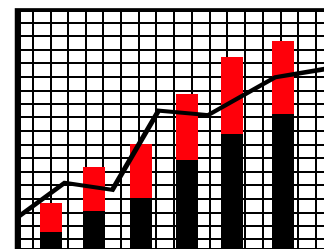
- a. State whether or not the hypothesis was correct. Prove it with data!
- b. Discuss the fairness of the experiment. Were all factors controlled except for the independent variable?
- c. Two paragraphs, one for A and one for B.

K. Recommendations

- a. If the experiment was to be repeated what would need to be done differently to conduct a fair and repeatable experiment?
- b. After completing the experimentation what are other experiments that could be interesting to test? (At least 3, and why are they now interesting, need to be related to original topic.)
- c. Two paragraphs, one for A and one for B.

L. Statistical Analysis

- a. Insert an additional copy of all of graphs here; trials & averages.
- b. Additional graphs may be created for this section if they are relevant to the experiment and show new and additional findings.
- c. Analyze the data that is shown in the graphs! This was started originally with captions to the graphs; now go into more depth.
- d. This section should be 2-3 paragraphs.
- e. Be sure to site data!



M. References

- a. This is the bibliography
- b. Must have at least three sources.
 - i. You were asked to keep track of this information all along!
- c. Remember that bibliographies can be created with the help of online resources.

N. Appendix

- a. Part one- authentic data, the hand written notes, sketches, etc. (What you did not put in section H)
- b. Part two-Resources printed out, photocopied etc. (Make sure that they are referenced in your bibliography.)
- c. Part three-All drafts of this project (procedure, graphs, abstract, other parts of this paper.)

Due dates

May 13	-H (adjusted), J, & K are due in class typed. These will be peer edited!
May 14	F & L are due in class typed. These will be peer edited!
May 15	Completed reports are due!

- **Your final paper needs to be turned in inside a bound folder. Turn in only one project per team; be sure to include both names and teachers on title page.** (Please have the other partner turn in the cover page to their teacher and let them know where the original was turned in.)
 - Use 12 point font
 - 1 inch margins
 - Double space
 - Proper bibliographical format
- On any of the above due dates above, it is expected that you are able to walk into class with a **printed copy** of that part of the project. (Please don't walk in with it on a disk, email, or ask to use my computer. There are many in the library!)
- **Drafts are a part of your grade!**
- Remember this is a scientific paper, not opinion. Your paper must be written in 3rd person.
 - Papers written in 1st person will not be graded.
- Yes, there are 14 sections to the report, but many of them you have already completed, and several are brief!

➤ *Don't stress! You will do just fine!*

