Table of Contents

1) Abstract: 2

2) Acknowledgments: 3

3) Introduction: 4

   a) Statement of Problem 4

   b) Hypothesis 4

4) Review of Literature (Research Paper): 5

5) Experiment Design: ..... #

6) Materials List: ..... #

7) Procedures: ..... #

8) Experimental Results: ..... #

9) Conclusions: ..... #

10) Recommendations: ..... #

11) Bibliography: ..... #

12) Appendix: ..... #

Abstract

The abstract will begin on its own page. It is a brief (no more than 250 words) summary of the main points of your project: problem, procedures, results, and conclusion.

Remember to type all work with the same type style (font) 12-14 point, basic NON BOLD font, upper and lower case type and double spacing so that it looks very professional.

Acknowledgments

This section will also get its own page. In this section you will give credit to those who helped you with your project or gave you advice (teachers, parents, friends, etc.) It should take up about a half page.

Introduction

Description of the problem being investigated and how the experimenter selected this problem; what reading or experience or process led to the selection of this problem. The project introduction will go on the same page as the statement of problem and the hypothesis. Altogether they should take up no more than one full page.

Statement of Problem

This is a statement of what you hope to discover and how the results of your experiment can be beneficial. The statement of problem will go on the same page as the project introduction and the hypothesis. Altogether they should take up no more than one full page.

Hypothesis

An EDUCATED GUESS about the outcome (results) of your experiment. It is what you think might happen when you do your experiments... what effects or results do YOU expect, based upon your BACKGROUND RESEARCH. The hypothesis will go on the same page as the project introduction and the statement of problem. Altogether they should take up no more than one full page.

Review of Literature

- The Review of Literature" is your research paper. It will begin on a new page separate from your introduction/statement of problem/hypothesis.
- 5+ pages of good information well written, in student's own words; you must know and understand what you are talking about.
- 1-1/4 in. margins on the sides and 1 in. on the top and bottom, 13 to 14 point Times Roman (Times) or 12 to 13 point Helvetica (NOTE: Type size and style of body must be the same throughout the entire Project Report)
- Written in third person
- **NOTE: ALL PAGES OF THE PROJECT SHOULD BE FORMATTED THE SAME.**

Introduction

This introduction to your paper should include what the reader will learn about your topic. Do not forget to begin with an interesting or catchy sentence that will get the readers attention.

Body of Paper

Begin this part with a paragraph that introduces your first category. Use the information from your note cards in the same order they appear in your outline for that category. Certain categories may need more than one paragraph.

Conclusion

After all your information is included, write your concluding paragraph. Summarize what was said in the body of your paper, then add some new thoughts of your own. End this paragraph with a thought provoking last sentence.

Experiment Design

I) THE CONSTANTS (VARIABLES TO BE CONTROLLED):

- List your Controlled Variables here using bullets for each variable.

II) MANIPULATED VARIABLES:

- List your Manipulated Variable here.

III) RESPONDING VARIABLES:

- List your Responding Variable here.

IV) MEASUREMENTS:

- Briefely explain how you will measure the results of your experiment.

Materials List

EVERYTHING you used!!!!

Procedures

Procedures are the step by step recipe of how you will perform your experiment! Be very complete. Could someone in another state perform you lab EXACTLY as you did?

In complete sentences, written in past tense, write a minimum of a 15 step procedure. Be specific, use diagrams, sketches, or photos if necessary. Do not include steps involving library research, obtaining materials, writing reports, etc. Start with the experiment itself. Tell how often and what you will be measuring. BE DETAILED!! The procedures are so detailed that anyone reading them could perform your experiments EXACTLY as you did them with EXACTLY the same size, quantity, brands of equipment, subjects, etc.

Make sure you use a LARGE number of subjects/test runs in your experimentation or the results will not be believable leaving the experiment useless.

Experimental Results

Start this section on a new page, seperate from the procedures. Write out what happened during your experiment. Also include in this section tables, graphs, charts, photographs, sketches, statistical analyses, and general descriptions of observations. This section will require at least two pages.

Conclusions

This will follow your results. It may or may not begin on the same page as your results. In this section, you will make a simple statement of your interpretation of your results.

Recommendations

Make recommendations about possible uses for your findings. Also make recommendations and suggestions for further testing.

Bibliography

Write out bibliographic references in standard form for all resources used. Refer to Bibliography Hanbook for examples. This section should contain a minimum of 10 references. Cite references for all specific information and facts that are not common knowledge, for all quotations, and for all research results. USE MLA style.

Appendix

Data logs, rough, hand written, just how you recorded your data, or how your questionnaires were done. This is the messy, just as you recorded it during the experiment. INCLUDE EVERYTHING! You will also be graded on overall neatness so be sure that your hard work is presented in a very professional manner! This section will begin on a new page following the bibliography. It may be several pages long. The information in this section may also be kept in a note book as a journal. If so, it will need to be displayed along side of your Project Report and display.