Title of your paper goes here

A Science Paper

Presented to

Name of Science Fair

Date

by

Student Name

**Acknowledgement**

I appreciate the help of insert names of all the people who helped you here with my project. (Include details of how they helped you, supplies they provided, emotional support and encouragement provided, etc.)

This is all that goes on pg. 2

**Abstract**

**What is an abstract?**

An abstract is a concise **summary of a larger project** (a thesis, research report, performance, service project, etc.) that concisely describes the content and scope of the project and identifies the project’s objective, its methodology and its findings, conclusions, or intended results.

Your abstract should include your problem statement, hypothesis, procedure, and results using the discussion of data.

This is all that goes on pg. 3.

Format your abstract like this:

Problem:

Hypothesis:

Procedure:

Results: Results should be in words, using numbers to explain results.

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**List of Tables**

1. List the names of your data charts here…………………………………………………….

**List of Figures**

1. List the names of your tables and graphs here…………………………………………….

You have to fill in the correct page numbers for each section, after you complete your report. Make sure the page numbers are all in a line. This is all that goes on page #4 of your report.

**The rest of this document should be double spaced.**

**Introduction of the Problem**

 This is where you explain the question you would like to answer or the problem you would like to solve. Use specific details. You should include details about what events or thoughts led you to focus on this question or problem. This should be a paragraph long. Indent.

**Review of Literature**

 This section should be at least five paragraphs reviewing the research on your topic. (\*Hint paragraphs should have at least five sentences.) You need **at least five sources** for this paper not including the site on which you found your experiment (which also has to be cited.) One of your sources must be a book or an encyclopedia. This section should read like a research paper. **You must include parenthetical citations.** Indent each paragraph.

**Hypothesis**

 Before you start working on your experiment, state what you think will happen when you perform the experiment. Why do you expect to see these results? More specifically, what facts do you already know about the details of your question or problem? How do these facts lead you to your hypothesis? Indent.

**Variables**

 The independent variable, which will be changed and tested, is …

 The dependent variable, which will be recorded, is …

 The constants in the experiment are …

**Materials**

List the materials you used for your experiment in a bulleted list. Be specific. If you use any brand names, be sure to list the brand name. If you used a certain quantity of a material, be sure to list that quantity. Make a bulleted list.

**Procedure of Investigation**

 This is where you make a numbered list of step–by-step directions, written in complete sentences. Tell how you set up the experiment, how you ran the experiment, and how you collected the data. Note any changes in procedure from test to test. Be sure to include directions for each independent variable tested. This section should be at least two paragraphs long or be a numbered step-by-step list. Also, consider adding diagrams to help the reader understand your set up.

Format this section like this:

1.

2.

3…

**Discussion of Data (Results)**

**Data chart goes here.**

**Graph goes here.**

 This section should include a paragraph that tells in words exactly what your data showed. You should use numbers to explain the data. Indent.

**Statistical Analysis**

 This section should be at least a paragraph long and should tell what the data means. This section should include an explanation of all the mathematical calculations and analyses of your data. How would you apply what you learned? This section should be at least one paragraph long and contain numbers. Indent.

**Interpretation/Conclusions**

 1) Restate your problem. 2) Restate your hypothesis. 3) Was your hypothesis confirmed or disproved and why? Be very specific. 4) How does what you learned through your research compare with your findings?

The numbers are to make sure you have all five parts. DO NOT use the numbers indicating the parts of the conclusion when you write your conclusion. This section should be at least one paragraph long.

**Inference**

This is where you relate your project to real life. Why do we need to know about your research? How will it help society and individuals? What kind of applications does your project have? Etc.

**Resources**

This is where you use your notes cards, or research notes to complete the information in the bib maker site space. (<http://www.citationmachine.net/apa/cite-a-book>) If you use this link you will already be on APA style – which is the one you should use for science and technical papers. You should have at least five sources. You may have more. Don’t forget to include the web site where you found your experiment if you used one. The citations should be in alphabetical order and should be double spaced in between and use the hanging line modification. Just including the web site address is not a correct bib citation. Use the citation maker. The bib gets its own page in any report.

**Notes about putting together this paper:**

* **This page is not part of your paper. It is for your information.**
* **Your paper should be typed in New Times Roman font.**
* **Your paper should be typed in 12 point font.**
* **You should double space everything after the table of contents.**
* **Don’t forget to go back and put in the page numbers for each section in the table of contents.**
* **Charts and graphs should be clear and easy to read. They should also be titled and labeled.**
* **Do not use pronouns when writing your paper. No one wants to guess what you are talking about.**
* **Be sure to run the spell and grammar check. Make the corrections suggested.**
* **Re-read your paper to make sure that it makes sense.**
* **Have someone edit your paper. Spell/grammar check misses some things.**