
Science Fair Project Report (Sample)

Requirements for Written Report

1. Written when study has ended.
2. Use **Front Side** of each page (unlimited number of pages).
3. Use 10 or 12 pt. Font minimum; Double Space or use 1.5 spacing, except for Abstract.

<p style="text-align: center;">A</p> <p style="text-align: center;">Title of Project</p> <p>Student Name(s) Science Teacher Period Science Category Date</p>	<p style="text-align: center;">B</p> <p style="text-align: center;">Abstract</p> <ul style="list-style-type: none">▪ 250 words or less▪ Single Space	<p style="text-align: center;">C</p> <p style="text-align: center;">Table of Contents</p> <p>(May or may not be included)</p> <ol style="list-style-type: none">1. Introduction2. Materials/Method/Procedure3. Data/Results/Graphs4. Discussion of Results5. Conclusion6. Reflection7. Bibliography <p>(Additional information if student desires)</p>	<p style="text-align: center;">D</p> <p style="text-align: center;">Introduction</p> <ul style="list-style-type: none">▪ Question▪ Purpose/Problem/Objective▪ Hypothesis▪ Indicate Variables(dependent and independent)▪ Background Information <p style="text-align: center;">Can be more than 1 page</p>
<p style="text-align: center;">E</p> <p style="text-align: center;">Materials</p> <ul style="list-style-type: none">▪ List materials used <p style="text-align: center;">Method/Procedure</p> <ul style="list-style-type: none">▪ List steps used or▪ Describe steps in paragraph form or outline form.▪ May use photos, drawings, diagrams, flow charts, etc. <p># of pages depends on student's procedure</p>	<p style="text-align: center;">F</p> <p style="text-align: center;">Data/Results</p> <ul style="list-style-type: none">▪ Observations/Results in a data table format <p style="text-align: center;">Graphs</p> <ul style="list-style-type: none">▪ Visuals such as graphs to interpret data results <p># of pages depend on what students wish to include.</p>	<p style="text-align: center;">G</p> <p style="text-align: center;">Discussion of Results</p> <ul style="list-style-type: none">▪ Results, observations, or data are explained <p># of pages depends on the depth of discussion</p>	<p style="text-align: center;">H</p> <p style="text-align: center;">Conclusion</p> <ul style="list-style-type: none">▪ Refers to the hypothesis▪ State whether or not data agrees, disagrees, supports or does not support the hypothesis. <p style="text-align: center;">Practical Application</p> <p>What is the importance of this study? Of what use is a study such as this?</p>
<p style="text-align: center;">I</p> <p style="text-align: center;">Reflection</p> <ul style="list-style-type: none">▪ What did you enjoy about the project?▪ What were the successes and problems?▪ What were the surprises? Did the data make sense?(Why or why not?)	<p style="text-align: center;">J</p> <p style="text-align: center;">Bibliography</p> <ul style="list-style-type: none">▪ Use proper MLA citing format for books, journals and websites.▪ Minimum of 5 different sources.		

Explanation of Components

• The Science Fair Project Report is a report of the entire study including the data collected and analyzed which leads to a conclusion based on the hypothesis and data.

Note: The Abstract is a summary of the whole study in 250 words. The Abstract is the first thing judges read! Be thorough and check for spelling and grammatical error.

- C
- The Table of Contents can also be titled: “Outline”.
 - Page numbers, detailed subtitles can also be used.
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- D
- The Introduction is background information on the topic.
 - Good idea to cite some references.
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- E
- Materials can be listed such as Supplies, Chemicals, and Equipment separately or included in the Procedure.
 - Procedure (Methods, Experimental Design, or Protocol) can be outlined, by steps, phases or in paragraphs.
 - Use quantities, concentrations, and metric measurements where applicable.
 - When using **Human Subjects**, state gender, age, no. of subjects, and how confidentiality was established.
 - If **Vertebrate Animals** were used in the study, state the species, gender, where animals were obtained, and what animal care procedures were implemented.
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- F
- **Data and Results:** Observations and data tables, must be included which represent results that were collected throughout the experiment.
 - **Graphs** interpret data and results in the form of bar, line or pie graphs.
 - Be sure to have Figure #, captions or titles to each item.
 - If each item is minimized, several items can be included in one page.
 - This can also be several pages long.
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- G
- The Discussion of Results section should refer to results/observations and an explanation as to what occurred.
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- H
- The Conclusion should be based on the data collected.
 - *“Does the data of results agree, support, accept the hypothesis, disagree, not support, or reject the hypothesis?”*
 - *“Therefore, it can be concluded that (refer to hypothesis). . . ”*
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- I
- Reflect on the experiment such as possible outcome, surprises.....
 - Refer to different variables, concentrations, time span, more trials, etc.
 - *“How can the study be expanded? Can it be shortened?”*
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- J
- Bibliography or References should be in **MLA Format**.
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