



Writing a Research Paper for Your Science Fair Project

Key Info

- As you do your research, follow your background research plan and take notes from your sources of information. These notes will help you write a better summary. More information about the background research plan can be found on the Project Guide page at www.sciencebuddies.org.
- The purpose of your **research paper** is to give you the information to understand why your experiment turns out the way it does. The research paper should include:
 - The history of similar experiments or inventions
 - Definitions of all important words and concepts that describe your experiment
 - Answers to all your background research plan questions
 - Mathematical formulas, if any, that you will need to describe the results of your experiment
- For every fact or picture in your research paper you should follow it with a citation telling the reader where you found the information. A citation is just the name of the author and the date of the publication placed in parentheses like this: (Author, date). This is called a reference citation when using APA format and parenthetical reference when using the MLA format. Its purpose is to document a source briefly, clearly, and accurately.
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- Most teachers want a research paper to have these sections, in order:
 - Title page (with the title of your project, your name, and the date)
 - Your report
 - Bibliography
 - Check with your teacher for additional requirements, such as page numbers and a table of contents

Overview

Year after year, students find that the report called the research paper is the part of the science fair project where they learn the most. So, take it from those who preceded you, the research paper you are preparing to write is super valuable.

What Is a Research Paper?

The short answer is that the research paper is a report summarizing the answers to the research questions you generated in your background research plan. It's a review of the relevant publications (books, magazines, websites) discussing the topic you want to investigate.

The long answer is that the research paper summarizes the theory behind your experiment. Science fair judges like to see that you understand why your experiment turns out the way it does. You do library and Internet research so that you can make a prediction of what will occur in your experiment, and then whether that prediction is right or wrong, you will have the knowledge to understand what caused the behavior you observed.

High School Science Fair Research Paper Example

Shasha Hu



High School Science Fair Research Paper Example:

Reviewing **High School Science Fair Research Paper Example**: Unlocking the Spellbinding Force of Linguistics

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