



Honors Science Project Literature Review Guidelines

First Draft DUE 10/27 and 10/28

Final Draft DUE 11/10 and 11/11

FIRST PARAGRAPH

INTRODUCTION

- 1. Tell what your science fair topic and purpose of experiment is going to be.**
EXAMPLE: The purpose of this science fair experiment was to discover which plant grows best under certain conditions. In order to better understand the experiment, research was done on the process of photosynthesis.
- 2. Discuss the “subtopics” that go along with your science fair topic**
EXAMPLE: If you are researching with fertilizer best grows plants, then I should see sections of your paper that talk about how plants grow, what chemicals are the fertilizer made of and how do they make plants grow, and information about the plants you are using.
- 3. Write a conclusion sentence that summarizes the most important fact that you learned from your research.**
EXAMPLE: The research led the reader to the basic conclusion that plants must have light in order to complete the process of photosynthesis.

SECOND PARAGRAPH

FIRST SUBTOPIC

- 1. Use your notes and research in your science fair log book to summarize the information you found for this subtopic.**
Provide as much information about this subtopic that will highlight and shed information on your science fair topic. Remember that if you write any information word-for-word, you must put it in direct quotes. You should have at least three facts from each source!
- 2. End the paragraph with a concluding sentence that summarizes the information you got from this source.**

THIRD PARAGRAPH

SECOND SOURCE

Follow the above process (SECOND PARAGRAPH – First Subtopic) to write the information from your second source.

FOURTH PARAGRAPH

THIRD SOURCE

Follow the above process (SECOND PARAGRAPH – First Subtopic) to write the information from your third source.



FIFTH PARAGRAPH

CONCLUSION

1. **Write a sentence or two that summarizes the overall facts and information you gathered from your research.**

EXAMPLE: Overall, the research indicated the importance of genetics in determining the eye color of children.

2. **Explain a fact that you found surprising or interesting.**

EXAMPLE: One of the most interesting things learned in the research on starfish was the concept of regeneration. When a starfish loses an arm through an accident or disease, it will grow one back.

3. **Explain how you think this information will affect your hypothesis.**

EXAMPLE: Knowing this information will affect the science fair project because the reader now knows that the controlled variable needs to be the same length of time in each testing situation.

4. **Write a conclusion sentence that explains the value of doing this research of literature before continuing with your science fair project.**

EXAMPLE: Researching and reviewing these three sources gave the exhibitor a much better understanding of simple machines. This knowledge will help the exhibitor to complete a more successful science fair project.

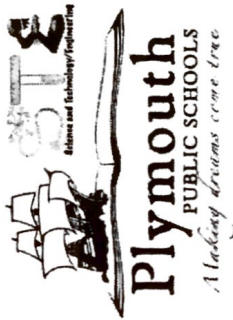
ADDITIONAL NOTES

- **Do not** include the steps you are going to take to perform your experiment. This paper is about the research on your topic, not how you are going to do the experiment.
- The use of the 1st person "I" or "WE" should be avoided whenever possible.
- You should use at least **three different types** of resources, but have a total of 10 sources
EXAMPLE: one Internet, one book, one journal article. **Internet resources may come from .edu, .gov, or .org. These are the most reputable.**
- 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.
- If you copy text from one of your sources, then place it in quotation marks in addition to following it with a citation. Be sure you understand and **AVOID PLAGIARISM!** Do not copy another person's work and call it your own. Always give credit where credit is due! **PLAGIARISM IS NEVER ALLOWED!**

ADDITIONAL NOTES

You are submitting your paper on www.turnitin.com. You need to register for the class and assignment using the following:

Period _ Students	Class ID number _____	Password _____
Period _ Students	Class ID number _____	Password _____



Honors Science Project Literature Review Rubric

Student Name _____

	4	3	2	1
Literature Review	<ul style="list-style-type: none"> Identifies and describes in detail most relevant topics to problem/question (minimum of three) Describes clear connection(s) between research and problem/question Describes in detail historical aspects and previous research completed on problem/question, including any gaps in current research Properly uses all scientific terms and concepts Uses sophisticated word choice; no evidence of plagiarism Excellent control of punctuation, spelling, capitalization and usage 	<ul style="list-style-type: none"> Identifies and describes most relevant topics to problem/question (minimum of three) Describes connection(s) between research and problem/question Describes historical aspects and previous research completed on problem/question Properly uses most scientific terms and concepts Uses varied word choice; no evidence of plagiarism Adequate control of punctuation, spelling, capitalization and usage 	<ul style="list-style-type: none"> Identifies most relevant topics to problem/question (minimum of three) Identifies connection(s) between research and problem/question Identifies historical aspects and previous research completed on problem/question Properly uses some scientific terms and concepts Uses adequate word choice; no evidence of plagiarism Limited control of punctuation, spelling, capitalization and usage 	<ul style="list-style-type: none"> Identifies related topics to problem/question (minimum of three) Identifies loose connection(s) between research and problem/question Incompletely identifies historical aspects and previous research completed on problem/question Properly uses few scientific terms and concepts Uses simple word choice; no evidence of plagiarism Total lack of control of punctuation, spelling, capitalization and usage
Conventions				
Format	Uses Times New Roman 12 point font and is double-spaced			Does not use Times New Roman 12 point font and/or is not double-spaced
Bibliography (separate page)	<ul style="list-style-type: none"> Uses 10 or more reputable sources Cites at least four types of information resources (e.g., textbook, encyclopedia, magazine, journal, interview) Cites correctly using APA format Uses in-text citations at minimum 5 times correctly 	<ul style="list-style-type: none"> Uses 8 reputable sources Cites three types of information resources (e.g., textbook, encyclopedia, magazine, journal, interview) Cites with few mistakes using APA format Uses in-text citations 4 times correctly 	<ul style="list-style-type: none"> Uses 6-7 reputable sources Cites two types of information resources (e.g., textbook, encyclopedia, magazine, journal, interview) Cites with many mistakes using APA format Uses in-text citations 2-3 times correctly 	<ul style="list-style-type: none"> Uses 5 or fewer reputable sources Cites one type of information resources (e.g., textbook, encyclopedia, magazine, journal, interview) Cites using incorrect format Uses in-text citations once correctly

Total Points _____