

Pr eA P Ch em	Research Project: Stage 3: Review of Literature (Rough Draft) Guidelines	Name _____ Period _____
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Process:

- Continue logging information into the Project Data Book.
- Research the topic and develop the review of literature.
- Write the review of literature and turn it into the teacher.

What's due:

- One copy of the Review of Literature.
- A copy of the rubric (page 3 of this document) should be included with the review of literature.

Note: The student should keep an electronic copy because this document is the rough draft and will be used in the final draft of the research paper due in Jan.

Due Date:

	Due Date	Science Fair
1st Nine weeks	Sept. 27th	Literature Review of Approved Proposal (Rough Draft) (Lab Grade)
3rd Nine weeks	Jan. 9th	Final Paper Due (Test Grade)

Where to find information:

- **Periodicals:** Periodicals for research are preferred over books. Information in magazines and periodicals are more current and relevant. The latest information regarding the project will be found in these sources. Science News and Scientific American are examples of periodicals.
- **The vertical file:** This file contains newspaper clippings from recent years. Many libraries have replaced the vertical file with a computer assisted periodical search such as Infotrac. Please use these high level sources, as it illustrates great researching technique.
- **Books:** Some books can provide an overview of a specific topic, and are valuable in this respect. Other books contain an extended discussion of a very specific subtopic, going to a level of detail, which would be impossible in a shorter work. Very often, a book of this type will be intended as a definitive work. Unfortunately, however, books become outdated quickly. The process of book publishing is long and theories change quickly. It is therefore important that only the most current texts be used.
- **Encyclopedias:** tend to contain old information, but can provide historical background.
- **Collin County Community College library:** lists books and materials in Plano and Allen libraries.

Review of Literature (Rough Draft) Criteria:

- **Title page:** Center the name of the project on the title page in 32 point type. In the bottom right hand corner type the student's name, class, teacher's name, and date.

B. Table of Contents: Include a subheading (subtitle) and page number for each section.

C. Introduction: The introduction sets the scene for the report. This section includes the problem to be solved, the origin of the idea, the hypothesis, and what is expected to happen.

D. Background Information: This section includes a description of the major scientific concepts and the significant vocabulary related to the project. It includes background information that the reader might not know is important to the project. This section should be at least 1½ pages in length. Do not use personal pronouns.

E. Review of Literature: Discuss what other experiments have been done in this area, and what was learned. Include only information from the literature review that enables the reader to understand the project. These previous experiments may be used as a foundation from which new ideas for this project can be built. Include a description of the independent and dependent variables used in these experiments. This section should be at least 1½ pages in length. As before, do not use personal pronouns.

F. Bibliography:

A short bibliography must be included. The bibliography is one of the most important parts of the research project for several reasons:

- It shows that extensive background research into the topic has been accomplished. Remember the importance of background research! Good scientists/researchers ALWAYS read up on what has been previously experimented before setting off to write about or perform additional experiments.
- Bibliographies also show that the researcher has looked beyond their own knowledge about a particular topic.
- Bibliographies also teach the importance of citation! Never ever take credit for work generated by another individual. Remember this is also known as PLAGIARISM (3 words in a row not cited) and is more than unacceptable. It is intolerable, and any paper that is plagiarized will receive an automatic ZERO.

At least 6 sources must be used, where only 3 sources may be Internet sources. Websites must be screened with discretion! Properly format the citations according to APA bibliographic format.

NO MORE THAN 3 OF SOURCES MAY BE INTRODUCTORY LEVEL TEXTS SUCH AS AN ENCYCLOPEDIA! Do not use Wikipedia at all! The reason for this is that encyclopedias provide only basic knowledge. More in-depth information is really needed. Other sources may include interviews with people and TV/Radio programs related to the topic.

G. Style Requirements:

- **Typed:** No exceptions.
- **Format:** A maximum one-inch margin on all sides is required (if uncertain how to set a one inch margin in Word, ask.) Indent the first sentence of each paragraph 5 spaces.
- **Spacing/Font:** Doubling spacing is required. The font is either 12-point Arial or 12- point Times New Roman. No other fonts will be acceptable.

Pr eA P Ch e m	Research Project: Stage 2: Review of Literature Rubric	Name _____ Period _____
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This rubric MUST be attached to your rough draft.

Title Page: 0 3 5 points

Table of Contents: 0 3 5 points

Introduction:

Problem: 0 3 5 8 points

Origin of project idea: 0 3 5 points

Hypothesis: 0 3 5 7 points

Background Information: 0 3 5 7 10 15 points

Review of Literature: 0 5 10 15 points

Variables: (not yet)

Materials: (not yet)

Procedure: (not yet)

Data: (not yet)

Graphs: (not yet)

Bibliography: 6 references, APA format 0 5 10 15 20 25 30 points

Correct style and format: 0 3 5 7 10 points

TOTAL LAB GRADE: _____ / 100 points

Additional comments:

