

STUDENT PROJECTS

BIOLOGY 2011-2012

Quarter 3:

For the project listed below, you must work as an individual. No two students in the same class may have the same research paper topic.

Research Paper

- A. Genetic Disorder
- B. Plant
- C. Animal
- D. Ecological Issue
- E. Any science related topic if doing science fair second quarter.
- F. See me if you have other ideas.

**For extra credit, you can present your paper to the rest of the class with a visual display.

Quarter 4:

For the projects listed below, you may work as an individual or with a partner. No more than two students can work on a project. ***SINCE ALL THE QUARTER 2 PROJECT INVOLVE A BACKGROUND RESEARCH PAPER, I HIGHLY SUGGEST YOU KEEP THE TOPIC OF THE QUARTER 1 AND QUARTER 2 PROJECTS THE SAME.*** In doing so, you avoid having to write TWO research papers.

Science Fair – conduct an experiment and write up the results

- A. Write-up
- B. Posterboard

I Make a Difference

- A. Select a project that will make a positive environmental impact on the surrounding community. This needs to be more sophisticated than doing a beach cleanup AND have a larger scope of individuals involved that includes more people than yourself. The ideal project is one that the project will self-perpetuate....continue on even after you have finished your project.
- B. Proposal, Detailed flow chart, Journal, Final Evidence

Teaching a Biology Lesson – must be life science based

- a. Must include facts
- b. Must include visuals
- c. Must include an activity w/appropriate handouts, supplies
- d. Must provide evidence: student work, teacher evaluation, photos
- e. Must be appropriate for children grade 3+

Deadlines Quarter 3:

Friday 2/10/12	Research Paper Proposal Due
Thursday 2/16/12	Research Paper Work Cited Due
Thursday 2/23/12	Research Paper Outline Due
Thursday 3/8/12	Research Paper Rough Draft Due
Friday 3/23/12	Research Paper Due

RESEARCH PAPER GUIDELINES

You will be graded based on the following categories:

- I. Clarity of Content:
 - A. Ideas are clearly conveyed in the paper
 - B. Student uses their own wording and shows the ability to apply knowledge to other situations

- II. Depth
 - A. Student researches the topic beyond a superficial level. For example, encyclopedias provide a survey/superficial overview of a topic.

- III. Format
 - A. Minimum of 5 pages
 - B. Typed
 - C. Double Spaced
 - D. Font size of 12
 - E. Margins of 1"
 - F. Only double space between paragraphs. This includes sections where the author is moving on to another section...in other words, no quadruple spacing.

- IV. References
 - A. Sources are cited throughout paper
 - B. Include a works cited page
 - C. At least 5 sources are used
 - D. Must have at least 3 different types of sources (variety)
 - E. No Wikipedia

- V. Mechanics
 - A. Clear and concise sentences....don't ramble
 - B. Proper grammar, spelling, and punctuation.
 - C. Clear flow and organization of paper