AP Biology Biological Research Paper Timeline

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| **ASSIGNMENT** | **DUE DATE** | **FORM** | **CONSIDER** |
| Idea | Nov. 8 | 1-2 paragraphs with an idea for what you are thinking about | Keep it simple. Make sure you can do a full run of the experiment. Think about the variables… |
| Initial Literature Review | Monday, Nov. 19 | 3 primary sources listing authors, title, journal with volume, issue, and pages, and year. Also a 1-2 sentence summary of the paper abstract.  MLA or APA style is acceptable | Look for similarities to what you are thinking about.  **You can see** examples at:  <http://www.umuc.edu/library>  /libhow/mla\_examples.cfm  Or just search MLA examples |
| Continued Literature Review | Monday, Dec. 3 | 5 or more primary sources listing authors, title, journal with volume, issue, and pages, and year. Also a 1-2 sentence summary of the paper abstract. | It is ok to change the direction of the research still at this point. |
| Initial Design | Monday, Dec. 10 | Outline of how you will conduct your research:   * Experimental design * Introduction including question & hypotheses * Materials/methods * Timeline plan * When, where, how | It is ok to change the direction of the research still at this point. |
| Methods/materials | Monday, Dec. 17 | Outline of how you will conduct your research:   * Experimental design * Introduction including question & hypotheses * Materials/methods * Timeline plan * Analysis methods | It is ok to change the direction of the research still at this point. But you want to be getting close. |
| Data | Monday, Jan. 14 (early)  Monday, Mar. 11 (later) | Measured data displayed in appropriate tables. (In lab notebook is fine). | Once you are ready you need to go with it. |
| Analysis | Tuesday, Apr. 2 | Data analyzed in appropriate graphs and statistical tests. | This will depend on what you are studying and how you are measuring it. |
| **ASSIGNMENT** | **DUE DATE** | **FORM** | **CONSIDER** |
| Conclusion | Monday, Apr. 8 | Reference the results as suggested by the data and identify which hypothesis is supported. | The paper is almost written at this point but you can make revisions as you work. |
| Abstract | Monday, Apr. 15 | 1-2 paragraph summary that explains what you did and what conclusions you came to. | Follow a style of abstracts that you found useful. |
| Final paper | Monday, May 6 | 5-20 typewritten pages (not including tables, graphs, appendices, citations), double-spaced, 12 point font, 1 inch margins | Don’t be afraid to say something is inconclusive if you are not sure. Write the paper based on what you did and what you learned, and what new ideas it gives you. |

For the initial literature review simple type up at least citations as below:

Citation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1-2 sentence summary (try to mention how it might relate to your ideas): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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