

Name \_\_\_\_\_ Period \_\_\_\_\_ Date Oct.1 (Per. 3,4,5,and 6) and Oct. 2 Periods (1 and 2), 2019

Due Date November 5, 2019

**NO LATE ASSIGNMENTS ACCEPTED**

**Mrs. L. Williams' Grade Six Science Fair Written Report and Board Sheet.**

***Please view the science fair booklet for any details that may have been missed and listen in class for any other pertinent information.***

The **written report** is **mandatory for all students in my class**. It **MUST BE TYPED** and (each section must have its own page) see science fair booklet for correct set up. Your name and period must be on the top of each of the written report pages. This can be accomplished by using the header function on your computer. The **font is New Times Roman, the font size is 14 and your report must be printed using black ink.**

Please view the science fair written report and or board checklist page in your science booklet.

1. **Title page/ cover page**- Topic must be clearly displayed on the first page and include correct school heading with the due date.
2. **Table of content**-Must be labeled at the top and written correctly. *Example: Abstract.....3.* This is slightly different than the science fair booklet. Please follow this example.
3. **Problem Statement**- Written as an investigative question and **must have a question mark.**
4. **Background information** -Locate and gather appropriate research materials (3 to 5 pages) (Double Spaced).
5. **Bibliography** – When citing your resources for the bibliography use the American Psychological Association (A.P.A) style. Google A.P.A style or use [www.citationmachine.net](http://www.citationmachine.net) or [www.easybib.com](http://www.easybib.com) to assist you in citing your references. Five or more credible references must be given. Wikipedia will not be accepted. Please do not cite your references as search engines. Ex. Google or Google chrome.
6. **Hypothesis:** Form your hypothesis after you have done your background research. Use the knowledge you have acquired from your background information research to make an educated guess to form your hypothesis. The hypothesis must be written as an if...then statement and must include your independent variable (IV) and your dependent variable (DV). *Example If...(IV) occurs then... (DV) will happen.*
7. **Identify your variables**-
  - Independent variable (IV) (*cause*) or *factor being manipulated.*
  - Dependent Variable (DV) (*effect*) or *responding factor.*
  - Control- a sample that is treated the same as the experimental group but does not have the independent variable applied to it. It is the **standard of comparison.**
  - Constant(s)- what is purposely kept the same in the experiment.
8. **Gather materials** for the experiment and type up both materials and procedures. **Remember materials must be bulleted and procedures must be written using numbers to indicate steps and listed in order.**
9. **Quantitative data**- you must have a **table** and a **graph** on your data page. Using the information from the table choose the appropriate graph (ex. line graph, bar graph etc.) to display your results. The graph must have a title, labeled properly (axis), units included, appropriate scale used, and trends in the data shown.
10. **Science Boards for grade 6 are optional for my students; but are required if you want your project to be judged in the science fair. If you decide to do a board however, it is due the same day as the written report.** All sections of the science board must be typed and will be checked for creativity, grammar, and proper display (See science booklet for board set up). **IMPORTANT-A completed science board will not be accepted instead of a typed written report which is mandatory for my class.**

**11.** *Due dates-Written Report due 11/5/19 and Science Board (optional), please also check homelearning board for other science fair due dates. **Science Fair Night at Highland Oaks Friday, 11/15/19.***

LW2019