Lab Report writing is an important part of this course. The following is a brief outline of what to include in a lab report. Unless indicated, all lab reports go on docs on the unit doc you are doing (example: 22smithaInsideEarth). Please underline or bold the heading of each section (Title, Purpose, etc.). NOTE!! All lab reports must correctly completed on docs!!

Spelling and neatness count!!

1.) **Title:** - may be the title of the current chapter from your textbook or one you make up. The title must be related to the general subject area of the lab. Do not write the word “Title”.

   Testing the shape of a balloon rocket

2.) **Purpose:** - Why did you do this lab? Explain the reason(s) in 1-3 sentences.

3.) **Materials:** - List All equipment used during the lab. You will lose points for not including all parts. Remember: list materials.

4.) **Procedure:** - Directions for your lab. Written in the first person (I or we). Must be in past tense. Describe everything you did. Include enough detail so that someone with no knowledge of this lab could perform the activities by using only your procedure. Do not include observations here; just what you did, not what happened. A picture* is worth a thousand words. Be sure it is labeled properly. If picture is on last page indicate: see picture on last page. Grade 6: Should be broken into two parts: Set-up-- what you did to get the experiment ready and After Set-up-- what you did to get the lab started.

5.) **Data/Graphs/Tables:** - You must include this section Data must be in both table and graph form if applicable. All graphs must have X and Y axes labeled. You must also include a labeled drawing or picture of your lab set-up.

6.) **Observations:** - You must include this section. Include as much detail as possible. Write out in words what your data showed. (EX. The dry sand had the greatest increase in temperature at 6 °C.) Be sure pictures are properly labeled.*

7.) **Conclusion:** - First statement: Go back to the purpose: Was the purpose correct. Why? Don't waste time talking about how this was a "fun and interesting" lab, and how much you enjoyed it. Talk about what conclusions you can draw or guesses you can make based on what your data showed. If the lab got messed up or you got different data from everyone else, that's OK. But try to explain why that happened in this section. If you can think of a better way to do the lab or you had difficulty with some part of it, write it down here.

   • use colored pencils with pictures when needed – take picture and upload to doc, use Docs and draw picture. Draw on your own computer and upload to doc, or link sketchup from docs. Tech help or I can help you with this. You can also use a picture I post online or one you had permission to take in class.
Rubric*

1= All parts of lab report completed. Correct format used. Procedure explains set up and after set up. Data/ Graphs easily interpreted. Observations Complete. Conclusion goes back to purpose and interprets data and Observations.

2= All parts of lab Report completed. Format used complete or close to completion. The procedure might be missing set-up or after set-up. Report may be missing data/graphs or observations. Conclusion might need work or Report excellent except for one section.

3= A combination of several of the following: Most of the lab report is completed. Format needs to be followed closely. Procedure is likely to be incomplete. Data/ graphs/ or observations need a bit more work. Conclusion incomplete. Extra help might be beneficial.


*A grade level might be lowered for lateness. A grade level will be taken off for failure to complete a first draft.

A grade may be raised by the following levels: A ‘C+’ or lower” paper may be raised to ‘B’. A "B-" or higher paper may be raised to a "A-". All papers must be turned in within one week unless the term is closing sooner. Points lost due to lateness or a missing first draft may not be made up.