**Chemistry is Everywhere**

**Important Dates**

Choose your topic for The Chemistry of \_\_\_\_\_\_\_ Jan. 20, 2015 – google form

Rough Draft of The Chemistry of \_\_\_\_\_\_\_\_\_ Feb. 17, 2015 – submit to schoology

Final Draft of The Chemistry of \_\_\_\_\_\_\_\_\_\_\_ Mar. 30, 2015 – submit to schoology

Storyboard/Script for Video April 16, 2015 – hard copy to teacher

Upload Video and The Chemistry of \_\_\_\_\_\_\_\_ April 27, 2015 – submit to your page

Discussion Blog covering 3 of your peers’ projects May 11, 2015 - schoology discussion blog

**I. Topics**

Choose something you are in which you are interested for your topic to fill in the blank for The Chemistry of \_\_\_\_\_\_\_\_. This can be anything from nail polish to swimming to film preservation to Red Bull to silly putty. You may choose anything – although we reserve the right to ask you to find something else if the topic you choose is inappropriate. Each student in Mrs. Ellis’ and Mrs. Packard’s classes will have to find an unique topic and choices are first come, first served. If you decide on a duplicate project, we will let you know to find something else.

**II. Rough Draft and Final Draft**

You will do research on your chosen topic – Mrs. Donley will provide assistance on how to do online research without plagiarizing. Fill in the following template and use the rubric to make sure you fulfill all expectations for the template.

**Title** = The Chemistry of \_\_\_\_\_\_\_\_

**Introduction** = In the introduction, you should describe why you chose the topic you did. Explain what your topic is (for example, not everyone knows what Red Bull is or what it is marketed to do), why you are interested in the topic and how the topic affects your life.

**Composition of \_\_\_\_\_\_\_\_** = Determine the main components in your chosen topic and record them in this section, a bulleted list is fine.

* Include the chemical composition of the components if needed using the subscript button if needed (ex. C2H5OH)
* If you do MORE research, copy and paste the url (web address) of every site you get information from into your "Resources" section.

**Main Chemicals, Compounds, Components** = For this section we will focus on **two** main components and/or ingredients of your \_\_\_\_\_\_\_\_\_\_

* Research the two main components in great detail so that you can TEACH us about these components.
  + Focus on the following for this portion of your report (for each component):
    - How
    - What
    - When
    - Why
    - Where

**Chemistry’s Role =** THIS SECTION CONTAINS THE MOST IMPORTANT INFORMATION FOR THIS PROJECT! REMEMBER - THIS IS THE CHEMISTRY OF \_\_\_\_\_\_\_- BE SURE THAT YOU EXPLAIN THE CHEMISTRY OF YOUR CHOSEN TOPIC.

* How are the two main components of your \_\_\_\_\_\_\_ made? Are they naturally occurring? Where/how are they found? Are they created in a lab? If so, how do they create them?
* Is the final product of your \_\_\_\_\_\_ man-made? If so, how does chemistry play a role in creating/building it?
* START THINKING ABOUT HOW YOU ARE GOING TO CREATE A SHORT VIDEO THAT EXPLAINS "The Chemistry of \_\_\_\_\_\_\_\_"!!!

**Background Research =**In this section you will research the 'science' involved in or relating to your \_\_\_\_\_\_\_\_\_\_\_\_. What kind of history or current events are there in creation of your \_\_\_\_\_\_\_? Is there a societal/technological/scientific aspect to your \_\_\_\_\_\_\_\_\_\_ (ie. use of caffeine powder has resulted in deaths)

**Resources =** Include ALL resources you use throughout this project (and I mean ALL of them).  So, if you are researching what the molecular composition of "Little Tree Air Fresheners" and you find some information that may be useful to your project, copy the url and paste it into this section; also write a brief description of the source and what information was useful on the page.  You must have a minimum of 3 resources outside Wikipedia.

**About the Author =** Picture of you (don’t forget this!) Write a short bio about yourself in third person:

* ex. Joe Schmoe is a senior at Monarch High School. He enjoys learning about how chemistry plays a role in daily life and will attend University of Colorado-Boulder next year to explore his interests in science.  He is on the Honor Roll and has lettered in Band, Football and Rocket Science and enjoys duckpin bowling and French cuisine.

**IV. Video**

Mrs. Donley and your teacher will provide assistance and guidance in how to create a video for this project using wevideo.com. You will create a storyboard or script to plan your video and help with creation. You will then upload your video, along with the information from your final draft to your web page for the project. Use the provided rubric to ensure you fulfill all expectations for the video. It should be a minimum of 2 minutes long, maximum of 5 minutes long.

**V. Discussion Blog**

Once everyone has submitted their web page for grading, you will seek out 3 different projects and respond to a discussion prompt in schoology for each. You should choose projects in which you have interest, not necessarily your friends’ projects. Each project should have a paragraph response (that will mean a total of 3 paragraphs).