

# Chemistry End of Year Project Instruction Sheet

## Title- The Chemistry of ...(add your **favorite thing** that can be linked to Chemistry)

### Introduction

Include the following in paragraph form:

- Explain your ...
- Explain why you chose your ...
- How is your life affected by your ...

### Background Research-DO NOT COPY/PASTE ANYTHING FROM THE INTERNET! YOU MUST WRITE IT IN YOUR OWN WORDS!\*\*

In this section you will research the 'science' involved in or relating to your ...

What is it? Learn everything about it.

What is it made of? Does it have a food label?

What chemicals are in it?

What are the chemical reactions involved or needed?

List all of the components of your ... (everything it is made of [ex. sucrose, lactose, polyvinyl-chloride, etc])

If you chose a ... that has multiple parts then you might need to make separate sections for each part (example:

The Chemistry of Skateboards: make headings under "The Composition of Skateboards" for each of the 'parts' of the skateboard: Board; Wheels; etc? Under each heading include the composition of each 'part').

### The Composition of...(fill in your favorite thing)

- Determine the main components in your favorite thing ...
  - 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. C<sub>2</sub>H<sub>5</sub>OH)

### Main Chemicals, Components and Compounds of... (fill in your favorite thing...)

- For this section we will focus on the main components and/or ingredients of your ...
  - Research the 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

- For this section describe the role of chemistry in your favorite thing:

How are the main components of your favorite thing made? Are they naturally occurring? Are they created in a lab? If so, how do they create them?

How does chemistry play a role in creating/building it?

### Resources

This is where you will keep all of the resources you use while researching your topic.

Copy/paste the url (page address) for every website and webpage you use in your research

Keep detailed records of all your resources and the information you get from each

**Minimum requirement - 3 different, reputable resources You Cannot list Google or Wikipedia as a source.**

A Few Possible Resources:

<https://www.youtube.com/user/ACSReactions>

<http://science360.gov/topic/Chemistry/>

<http://ednak.com/category/lesson-content-tools/authoring-tools/>

**Citing Your Work:** <http://owl.english.purdue.edu/> This is an very helpful website for citing all of your sources and information!

- START THINKING ABOUT HOW YOU ARE GOING TO CREATE A VIDEO THAT EXPLAINS "The Chemistry of ..."!!!