

Chemistry Project-Based Learning Activity

*****PLEASE NOTE***NO LATE PROJECTS, PAPERS, OR PRESENTATIONS WILL BE ACCEPTED. ITEMS CAN BE TURNED IN BEFORE OR ON A DUE DATE, BUT NOT AFTER A DUE DATE!!! PLAN AHEAD!!!!**

DUE: How Has Modern Chemistry Affected Society?

 **MAY 1st, 2021**

Purpose:

Through this project, students connect the concept of chemistry and its impact on their everyday lives.

Questions that guide students include:

- Are we a product of Chemistry?
- How has chemistry shaped and changed our society?

Objectives:

Working individually, students will choose a specific product made today.

- Provide an illustration of their chemical-based product. (This will be your title slide which will also display the course and your name). 10 pts
- Research the origin of a chemical-based product and the person or persons who invented it and when it was first used. 20 pts
- Produce a table that compares and contrasts (pros and cons) how their product has impacted society. 10 pts
- Learn about the chemistry underlying the product they selected.
 - Apparatus used to make the product. 10 pts
 - Reactants used to make the product. 10 pts
 - Type of chemical reactions used to make the product. 10 pts
 - The complete chemical equation for the product. 10 pts
- Discuss if there is an environmentally friendly (green) way the product could be produced to decrease the negative impacts on society. 10 pts
- Research their product using at least three (3) online and/or written sources. 10 pts

Format:

- Use multimedia tools in the planning, researching, and presentation phases of the project (PowerPoint or some similar software)
 - Every new objective should be addressed on a new PowerPoint slide. Project should be from 9 to 12 slides in length.

***Turn In: "Assignments" on TEAMS.**
You will lose 10 pts if submitted elsewhere.