**Common Core Assessment Project**

*Purpose* - To create an energy drink that does not develop adverse side effects

*Task* - You and your group will identify the ingredients, amount of ingredients, and reasoning for choosing ingredients for your energy drink.

*Concepts* - Biomolecules, Cell Respiration, Fermentation

*Research* - In today’s lab, you will research specific ingredients that you will add to your energy drink that will specifically enhance the production of ATP through fermentation.

* You will have to identify at least 3 ingredients to put in the energy drink
  + You will need to state the amount of ingredients to put in the energy drink (hint: look at the suggested daily intake)
  + If you add something with multiple ingredients like fruit, you have to investigate all ingredients contained within it (ex. Vitamins, Minerals, & Macromolecules)
* Identify the process that helps with energy production
  + Investigate which process of cell respiration is affected: Glycolysis, Citric Acid Cycle, Electron Transport Chain
    - Explain how the ingredient helps with that process
  + Investigate any indirect ways the ingredient can cause energy production like increasing heart rate or dilating blood vessels
* Write down all sources you obtained information from