Group 4 Project

Your third six weeks project will be an interdisciplinary activity that analyses a common topic. This means that the problem you are investigating should relate to more than one area of science. You will complete the project in partners, or groups of three.

For students that plan on taking ***any Group 4 subject test*** (Biology, Chemistry, or Physics) this is required. Without successful completion of the Group 4 project you will not be able to test in any area.

What this project is:

* A group/partner project where each individual turns in their own work
* Focused on the procedure of the investigation
* Interdisciplinary

What this project is not:

* A replication of a lab we have done in class
* An AP Biology lab
* Strictly focused on biological processes

This project will have three parts and you will be required to turn in evidence of each part on time

* Planning stage
  + One class period to brainstorm on possible topics with group
    - Brainstorming sheet due on \_\_\_\_\_\_\_\_\_
  + Planning out specific details to investigation
    - Planning sheet due on \_\_\_\_\_\_\_\_\_
* Action stage
  + Three class periods will be provided to carry out the investigation and collect the data
    - A copy of data is due on \_\_\_\_\_\_\_\_\_\_
* Evaluation
  + Each student will turn in a formal lab report on \_\_\_\_\_\_\_\_\_\_\_
  + Groups will present their finding on \_\_\_\_\_\_\_\_\_\_\_\_

Brainstorming

Come up with 3 possible questions to investigate

Example

Question – Is organic soap as effective as non-organic soap?

Area 1 - This relates to biology because we will be looking at the amount of bacterial colonies

Area 2 – This relates to chemistry because we will be researching the chemical composition of

Soaps

Question 1 –

Area 1 –

Area 2 –

Question 2 –

Area 1 –

Area 2 -

Question 3 –

Area 1 –

Area 2 -

Planning Sheet

Question:

Independent variable:

Dependent variable:

Control variables (at least 3):

Materials:

Procedure: