

Student-Designed Density Experiment and Poster**Instructions:**

1. Think of a liquid that you and your lab partner would like to determine the density for. Liquids must be ***provided by students***.
2. Decide on an experimental approach that you will use. Think of the lab materials you will need, the steps you will take, and how much (volume) of liquid you are going to need. You will have access to standard lab equipment and graph paper. (note: if you choose to use a procedure similar to one done in class, you cannot use the exact same volumes).
3. Perform your experiment and record all of your data on note paper and work out the density.
4. Divide a large piece of construction paper or poster board (***provided by students***) into 4 quadrants or squares. Include the information below in the quadrants. Write and draw large so the rest of the class can see it clearly when you present your poster. Include a title at the top for your liquid and provide headings for the quadrants (ie. Procedure).

| Density of (name of liquid) | |
|---|--|
| <u>Procedure:</u> Briefly discuss how you performed the experiment. | <u>Graph:</u> Draw a graph that includes your data. This is a sketch of what you draw on graph paper. |
| <u>Calculations:</u> Include calculations used to determine the density. | <u>Conclusions:</u> Discuss your findings. |

5. Select groups of students will be asked to present their poster to the class. All posters will be graded for neatness and accuracy.