

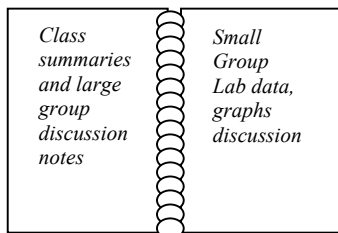


Workshop Physical Science

Journal Guidelines

Your journal will serve as a place to record your observations and data for our classroom activities, the graphs you prepare, and your notes of small group and large group discussions. You should record your data in the journal in neat ruled data charts using pencil.

1. Overall journal organization (*Edison* notebook)
 - a. Put your name on or in the front cover of your journal.
 - b. Create a Table of Contents on Page 1. The table of contents should have a column for the date(s) the experiment was performed, a title for the activity, and the page(s) it can be found.
 - c. When your notebook is laid open, you will use the right-hand page to record classroom data, graphs, and small group discussion. The left-hand page is reserved for large group discussion and summaries of class findings. It is a good idea to date each page.



- d. On the inside cover, record the names, phone numbers and email addresses of your lab group members as well as your lab group number. You may want to add the instructor's name, phone number and email to this page, too. It is on your syllabus.
2. Individual lab organization (using the right-hand side of the pages)
 - a. Each lab/activity should have a title and date.
 - b. Many activities begin with a short demonstration or activity. If so, describe the demonstration in 2-3 well-written sentences.
 - c. A simple, neat diagram of the apparatus as used in the activity should be drawn.
 - d. A prediction of how you think the results will turn out should be written in a short sentence and accompanied by a drawing of the graph shape that you predict.
 - e. Data is recorded in a neat table. Each data column should have a name, symbol, and units. *Data Chart*

- f. Graphs printed by your group are trimmed and pasted (or taped) into your journal. (Glue sticks work nice for this as do double-sided tape dispensers.)
 - g. Following the graphs should be a summary of your group's discussion of the importance of various features of the graph like the vertical intercept, slope, or unusual characteristics.
3. Class Discussion Notes (left-hand side of the page)
- a. During whiteboard discussions, you will observe similarities and differences between their board and yours. This is the place to record those comparisons.
 - b. As a result of our discussion we will formulate models of nature based upon our findings. These pages serve as places to record those models.

You probably remember that the class participation grade is an important part of your grade. Periodically, you may be asked to submit your journal as part of your participation grade. This is an easy exercise for which you can earn full credit because it happens during our class time, and only requires that you keep updating your journal as the class moves along.