

Name \_\_\_\_\_ Date \_\_\_\_\_  
Teacher/HR \_\_\_\_\_ Science – Block \_\_\_\_\_

## Science Fair Logbook

A logbook is a crucial part of any research project. It is a detailed account of specific activities that occurred at specific times.

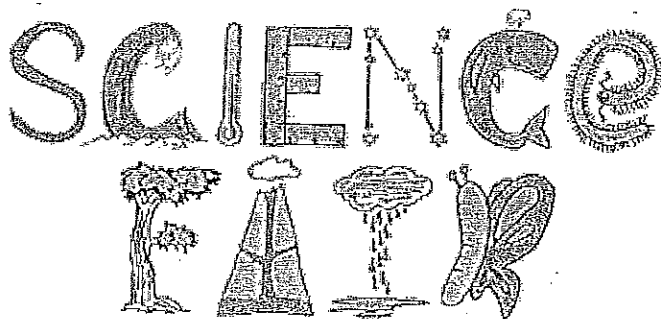
You must include the following information in your logbook:

### Important Notes:

- Use blue or black pen.
- Never erase or use White-out! If mistakes occur, mark it out with ONE neat line.
- Always date every entry.
- Always use the metric system when measuring or recording amounts. (centimeters, meters, milliliters, liters)

### Logbook Set-Up

1. Label the front cover with your name, homeroom number, and your block number.
2. Table of Contents – Leave the first page blank for your table of contents. This page will be the last thing you complete for your logbook after all entries have been made.
3. After the table of contents, number the remaining pages of your logbook.



## Logbook Sections

1. Write your problem statement. (Page 1)
2. Write your hypothesis. (Page 2)
3. Experimental Set-up:
  - Materials: Make a DETAILED list of all materials you will be using in the experiment. Be specific! For example, if you are watering plants, you should list the EXACT amount of water you will use.
  - Procedures: Make a NUMBERED step-by-step list of everything you will do in the experiment. Your procedures and materials should be so complete that someone could take your logbook and do the same exact experiment.
4. Variables and Controls:
  - List the independent variable, dependent variable, and the controls. The controls and variables are listed on your PROBLEM worksheet.
5. Data Collection:
  - Remember to date every entry. Your detailed observations made throughout the experiment should be recorded in this section. This includes data collected and specifically what you are doing throughout the experiment.
6. Conclusion:
  - Did your data support your hypothesis? Did your data not support your hypothesis? How do you know?
7. Application:
  - How will you use what you learned in your everyday life?
8. Reflections:
  - What would you do differently next time? What part of the experiment could be changed to improve the procedures? Add any other information about your project that you feel is important.

Name \_\_\_\_\_

Teacher/HR \_\_\_\_\_

Block \_\_\_\_\_



Logbook Rubric

Name	1	0
Pen	1	0
Table of Contents	2	1 0
Problem	1	0
Hypothesis	1	0
Materials Listed	2	1 0
Procedures	2	1 0
Independent Variable	1	0
Dependent Variable	1	0
Control(s)	1	0
Data	2	1 0
-Measurement	1	0
Conclusion	1	0
Application	1	0
Reflections	2	1 0

Total \_\_\_\_\_/20

\_\_\_\_\_%      Grade \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_