

Make a copy of this planning guide, insert your own information, then share with your teacher.

Document Title: "Lab Name, Your Name(s), Your Class Period"

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Eldorado K-8
Experiment Planning Guide

Your Name(s):

Class Period:

Lab Title:

Research Question — Question I am trying to answer in the form of "How does the **IV** affect the **DV**?"

Hypothesis — What I think will happen, and why (not just a random guess)

Materials — List of all lab materials, equipment, chemicals, quantities, etc.

Independent Variable (IV) — What I will change

Dependent Variable (DV) — What I will measure or look for before, during, and after each experimental trial

Controls — What I will keep the same to ensure fair tests

Procedure — Step by step instructions including distances, times, temperatures, masses, volumes, etc.

- 1.
- 2.
- 3.

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Data Table

Detailed Written Observations

Labeled Sketches, Lab Photos

Graph with Title and Caption — create your graph using an app like Google Sheets, then paste your graph here

Conclusion — 1) restate your research question, 2) discuss your data/graph/results, 3) connect to the real world

Useful resources

- [Science Help Guides](#)
- [Experiment Planning Guide Help Guide](#)