

Physics Labs

Labs are due no later than one week after last class day of lab. There is no late, only turned in or not. Feedback is based on accuracy. Grade is based on completion.

- Title (Provided)
- Objective (Provided)
- Diagram(s) of setup/procedure
- Data (tables); minimum* of 5 data points consisting of trials

Physics Labs

- Graph(s)
 - use to show relationships between variables
 - General shape of data: line, curve, none
 - Best fit of shape; determine slope if linear
- Calculations – must show work for one, record all results
- Written Discussion
 - What, why, how
 - Results: “answer” to objective using data, calculations, and graphs to support
 - Experimental error: procedural difficulties, “human error”?, never calculations

Unit 5: Electricity labs

1. Stuck On You!
2. Electric Circuits

Lab: Stuck On You!

March 30 -
optional

- Follow the provided lab procedures
- [Click to download the lab procedures](#)

Lab: Electric Circuits

April 11-12

- Follow the provided lab procedures
- [Click to download the lab procedures](#)
- Discussion: Describe the behavior of voltage, current, and resistance as more bulbs are added (1) in series and (2) in parallel.

Magnetism labs

1. Magnetic Field Mapping
2. Electromagnet

Lab: Magnetic Field Mapping

April 19

- Follow the provided lab procedures
- Sketch Parts A and B and answer questions on own paper.
- [Click to download the lab procedures](#)

Lab: Electromagnet

April 20

- Follow the provided lab procedures and complete on own paper
- [Click to download the lab procedures](#)