

Lab Notebook Checklist

Once per experiment:

- ☐ Experimental goal
- ☐ Apparatus sketch
- ☐ Theory (scientific theory and how apparatus works)
- ☐ Data analysis calculations

Every entry: (one entry per work session - may be multiple entries per day)

- ☐ **Header**: title, date, partner
- ☐ **Today's goal** (work plan - different from "experimental goal")
- ☐ Enough notes to replicate **procedure** from that day
- ☐ Show all **data** from that day, clearly labeled with names & units
 - Data annotated: possible errors, oddities, patterns, does it meet expectations
- ☐ Show all **graphs** made that day
 - Graphs **annotated** ("captions"): oddities, patterns, does it meet expectations, what does it mean ("writing as thinking")
- ☐ End of session:
 - ☐ summarize **progress today**
 - ☐ what to **do next**

Uploading lab notebook:

- Upload all lab notebook pages as a single PDF to your Google Drive Folder
- File name convention: LastName_2025.03.17_ExperimentName.pdf
- Upload all code written that day in runnable form (with any necessary data files) - with timestamped file names
 - clear kernel and run all before uploading to make sure it's runnable