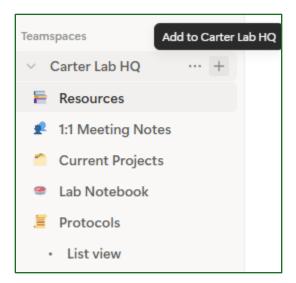
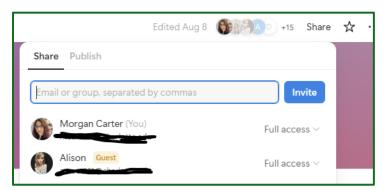
### Using Notion to Manage an Academic Lab - Morgan Carter, August 2025

#### The Basics

- **Step 1.** Create an <u>education account</u> which is free.
- Step 2. Create Teamspaces for whatever categories you want.



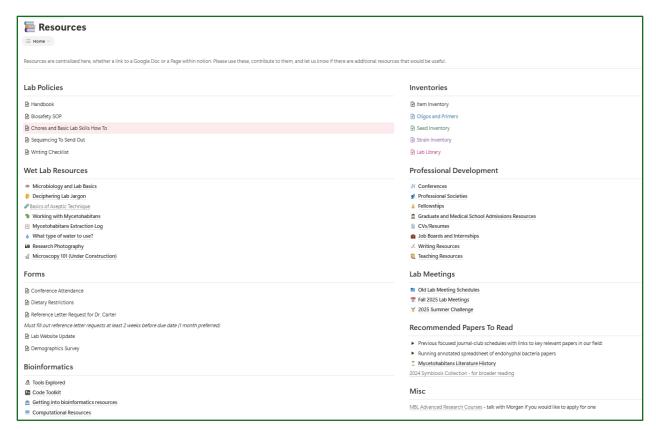
**Step 3.** Invite lab folks by email! Click the share icon up at the top right. Unfortunately, you have to invite them individually if you have more than one, but it's only inconvenient initially.



Ok but what should you put in it? This document has examples of resources page, project management, 1-on-1 meeting notes, lab notebook templates, and protocols.

### Resources Wiki-Style Page Example

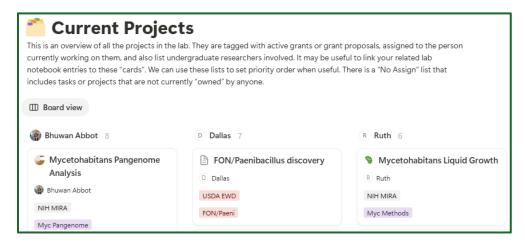
We have a Resources page that links to Google Drive files, like our inventories, and also to pages with professional development or other resources. This is dynamic and grows as we create new resources based on lab members needs. It is also our hub for lab meeting schedules and relevant forms.







### Project Management Example - Notion's guide to Kanban boards

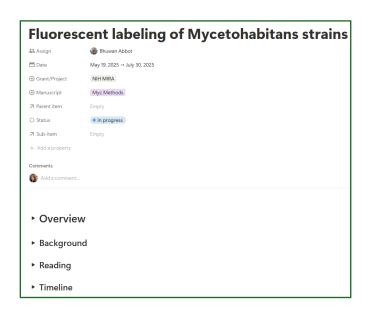


Example from our lab about how we organize. Each person has a column of tasks that we move around to indicate priority order. Each project is a page and is assigned to a certain lab member. They are also marked by whether they are contributing to a grant or manuscript and the current status, or a date if there is a deadline. These pages may link to lab notebook entries, but are mostly used to track **Publishable Pieces** and what is needed.

Our "projects" are divided out based on essentially what constitutes 1 figure or 1 experiment. So one project is not typically a whole paper, unless there are clear sub-projects (sub-item) of that listed out. Each page has short info about what needs to be done for this to be "publishable".

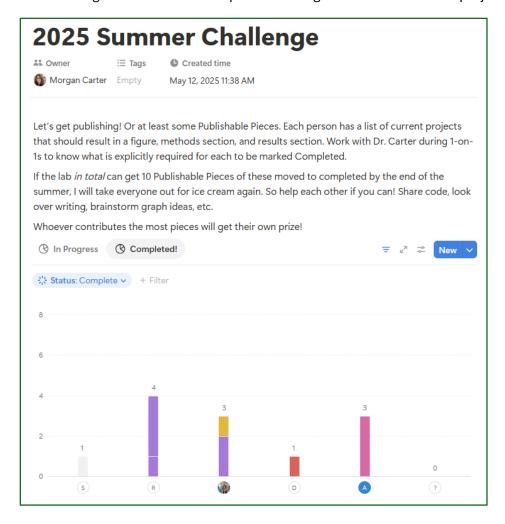
When new undergraduates start in the lab, we add more information to help onboard them for their project, including a paragraph of background, a set of 5 papers and guide to reading papers, and a timeline of tasks expected for the project.





### Side Note - "Publishable Pieces" Challenge

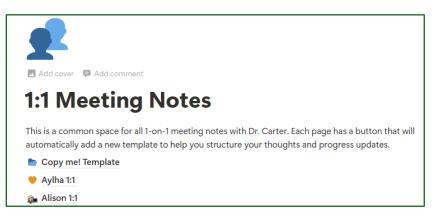
Using the projects board, you can create a graphical view and sort by which projects are In Progress or Completed. This works great to creating activities like Challenges or tracking the pieces for a particular paper so everyone can see the progress in real time. The following is an example that I did one summer to encourage students to write-up and make figures for their different projects.

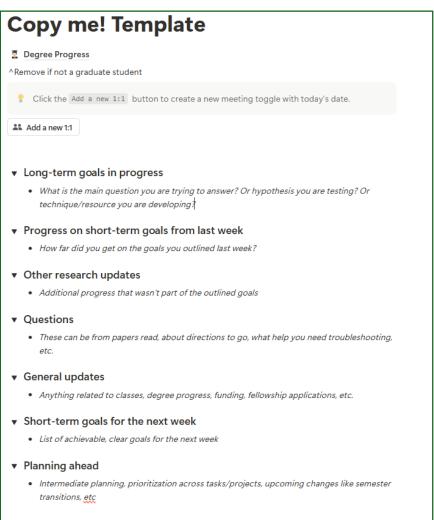


Students had to send draft versions of a methods section, results section, and figure for their project to count it as completed. I provided comments for editing and signed off when it was reasonably ready to slot into a paper, i.e. it had necessary details and a logical presentation of what was done. We paired this with a Slack channel and time in lab meeting to critique figures and method write-ups.

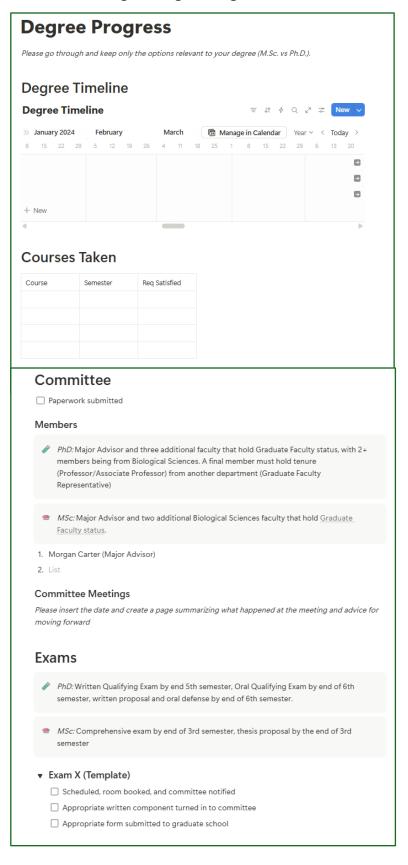
### 1-on-1 Meeting Notes

Students must fill in a weekly template before meeting with me. The template has a button that will automatically add a new date with the toggle tabs for the 6 different categories. These all stay on one page and students are encouraged to link or mirror other parts of the lab notebook to review during the meetings.





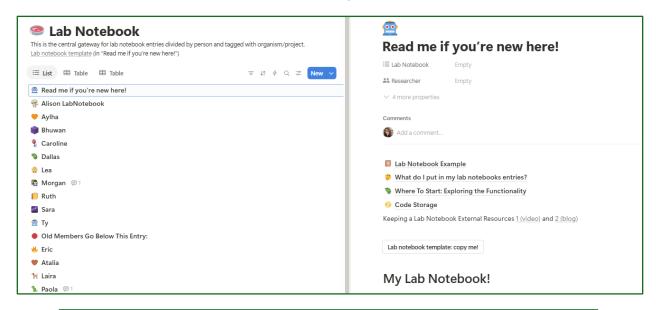
# Side Note - Degree Progress Page



There is a link on the template to a Degree Progress page where we plot out the time that will be spent on different projects, when committee meetings should be help, and what milestones are needed.

### **Lab Notebook Template**

We keep records (and regularly download for backups) electronically for our experiments. Each person has a page that they can personalize, but there is a template which contains some explanations and examples and an option for keeping up with tasks. Students are encouraged to add photos and/or link directly to data in our lab Google Drive.





## **Protocols Page**

The final teamspace is a protocols database that contains pages for the major lab protocols, tagged by relevance. There is a brief template and students are encouraged to link to these protocols when used in their lab notebooks.

