

At-Home Lab Instructions

Each At-Home Lab includes student and teacher resources, contained in student and teacher Google folders. Everything is available at <https://www.flinnsci.com/athomescience/at-home-lab-series/>

What is in the Teacher-only lab folders?

1. A **PowerPoint presentation** that includes background information and videos, including technique and procedure videos that demonstrate data collection; and content videos that support challenging topics.
2. A **Teacher Support Google document** that includes learning outcomes, sample data and sample answers to post-lab questions. You can download these Google documents as pdf or MS Word documents, or you can make copies of the Google documents into your own Google folder(s). Once you copy a Google document into your own Google folder you will be able to edit the document and type directly into it.
3. **Free downloadable resources** to supplement each lab experience, including POGIL activities.

How do I get access to the Teacher-only lab folders?

1. Go to <https://www.flinnsci.com/athomescience/at-home-lab-series/>
2. Click the **Teacher Materials (Login Required)** button for the lab or labs you are interested in.
3. Complete the 20-second registration process.
4. Copy the link provided into a web browser.

What is in the Student lab folders?

1. A **Student Worksheet Google document**. Google documents can be downloaded as pdf or MS Word documents, or students can copy the Google documents into their own private Google folders. If students copy the Google documents into their own Google folders they will then be able to edit and type answers directly into their Google documents.
2. A **Student Data Sheet**, with real sample data students can use for analysis and post-lab questions
3. Technique and procedure **videos** that demonstrate data collection, and content videos that support difficult concepts.

How do my students access the Student lab folders?

1. Students can go to <https://www.flinnsci.com/athomescience/at-home-lab-series/> and click on the **Student Documents** button for any of the labs.

What is the best way to use the At-Home Labs?

There are many ways to use the At-Home Labs:

1. You can ask your students to complete a lab by watching the videos and using the sample data to answer the post-lab questions. They can submit their work to you in Google doc, pdf, or MS Word form.
2. You can give your students access to the PowerPoint presentation in the “Teacher-only” folder if you would like them to have extra help.
3. You can have your students join presentations of live labs via Zoom, and ask them to complete the lab worksheet after viewing. This will be helpful for students who need more support. Go to <https://www.flinnsci.com/athomescience/at-home-lab-series/> to view the live labs’ presentation schedule. The live lab sessions include multiple choice poll questions that focus students on scientific practices.
4. You can have your students watch the recorded versions of any live lab session, and then complete the lab worksheet after viewing. Go to <https://www.flinnsci.com/athomescience/at-home-lab-series/live-labs-recorded> to access the recording of any live lab.
5. You can have your students watch the videos and do nothing else.
6. You can recommend students work in virtual groups or independently.

There are likely many other ways you can use these labs during these challenging times. If you have suggestions for modifications and improvements please reach out to us. We refine these on a daily basis to make them better. Our goal is to make the labs as easy to use and as useful as possible during these very trying times. We view these labs as a way to engage students in the practice of science, despite the absence of physical equipment and a traditional lab environment.