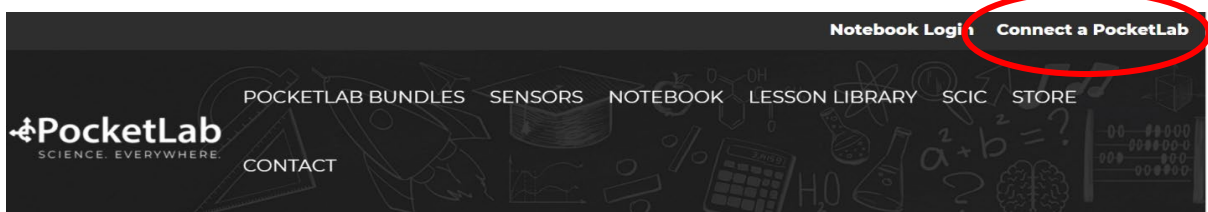
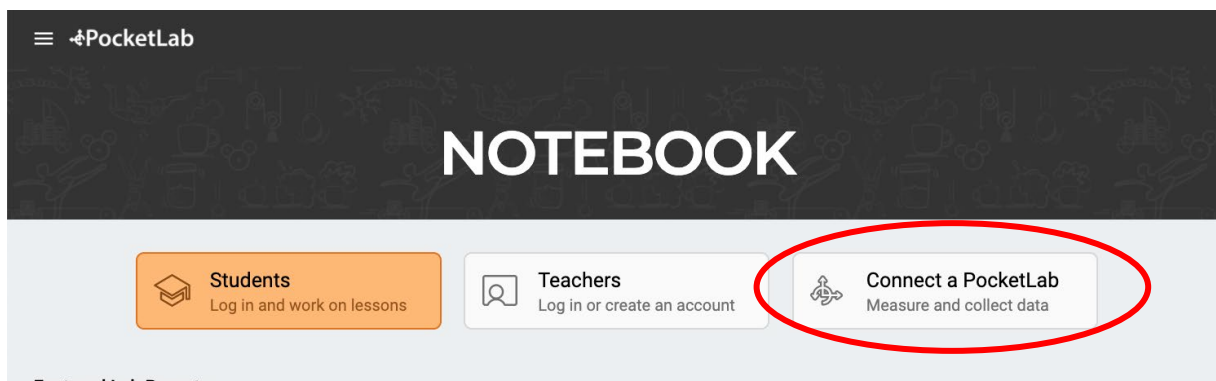


Connecting to PocketLab each session

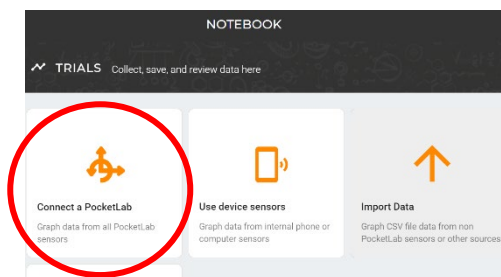
1. Turn on the PocketLab by holding down the button until the lights flash.
2. Go to: thepocketlab.com
3. Click on “Connect a PocketLab” in the top right corner.



4. Once on the ‘Notebook’ page, click on “Connect a PocketLab” on the right side. Note: You don’t need to login to measure and collect data.



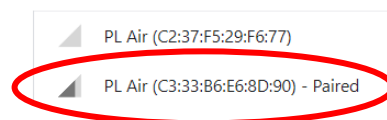
5. Click on “Connect a PocketLab” on the left side.



6. Connect each PocketLab device to a different computer, iPad, or Chromebook.

- a. On the window that says “app.thepocketlab.com wants to pair”, select (click to highlight) your device with the strongest signal strength (darkest triangle). If there are multiple devices listed and you don’t know which device is yours, you might need to carry your PocketLab and computer away from others.

app.thepocketlab.com wants to pair



- b. Click on the ‘Pair’ button in the bottom right corner.

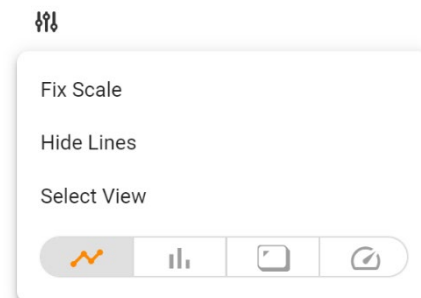
Selecting which graphs to view

7. Select “Graph” in the top right corner to turn on and off any graphs you do or don’t want.



On the graph, the red line is the data being collected. The blue or green line is an average of the data.

8. Click on the icon to the right of each graph’s title to change the units or the type of graph being displayed, turn off the average line, or change the size of particulate matter shown on the graph.

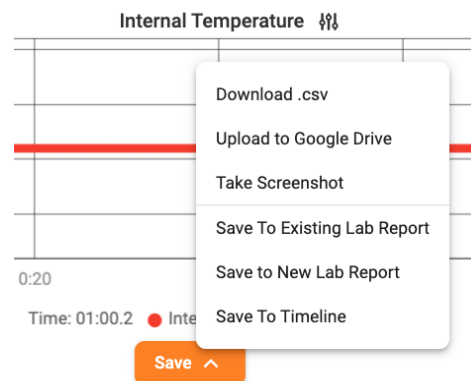


Recording data

You’ll automatically get a continuous display of data. To record data for closer inspection, click the red ‘Record’ button at the bottom of the window to start collecting data and then click ‘Stop’ to finish collecting data.

Keeping a copy of the data

After you have finished recording and pressed the ‘Stop’ button, you can look at the graphical data or click the ‘Save’ button for options to download the data to a CSV file, upload to Google Drive, or take a screenshot of the data graphs.



Connecting when multiple devices are in one classroom

When multiple PocketLabs are in a classroom, how can students tell which is theirs when connecting?

In a classroom setting, if multiple students are trying to connect their PocketLabs to their devices all at once, students may not know which PocketLab to select to begin their connection. Here are a couple simple tricks to get the students connected to the right PocketLab device.

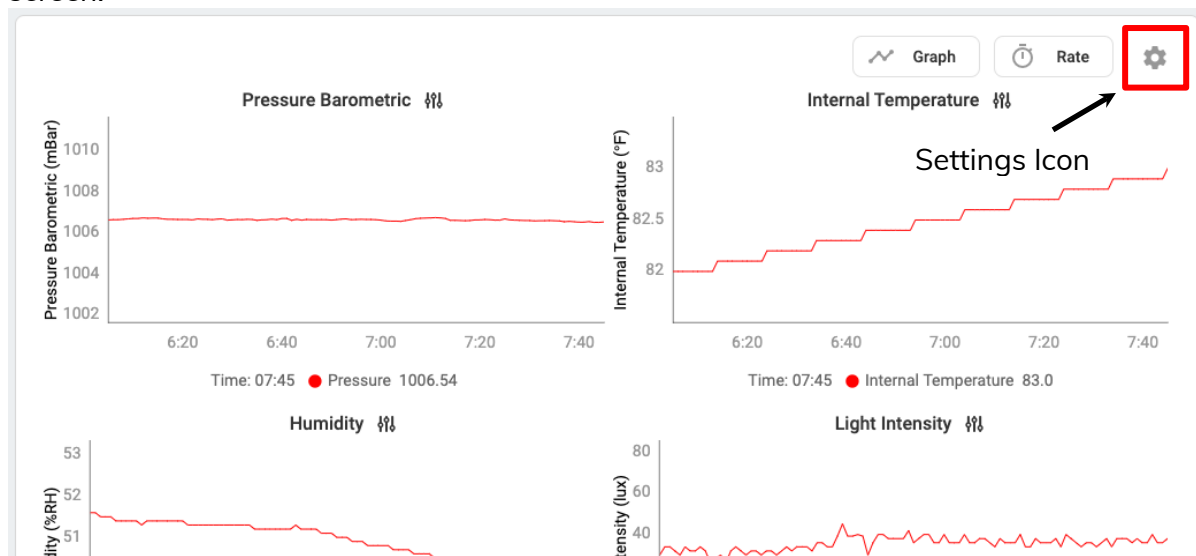
Renaming PocketLabs

The names of the PocketLab devices can be changed. This can make it easier for students to know which PocketLab they are selecting to start a connection.

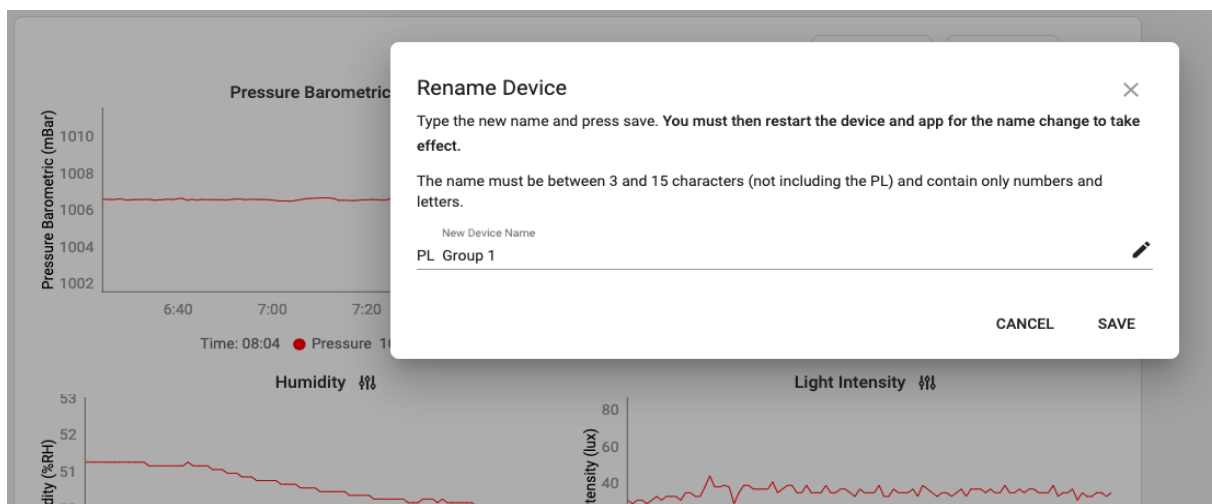
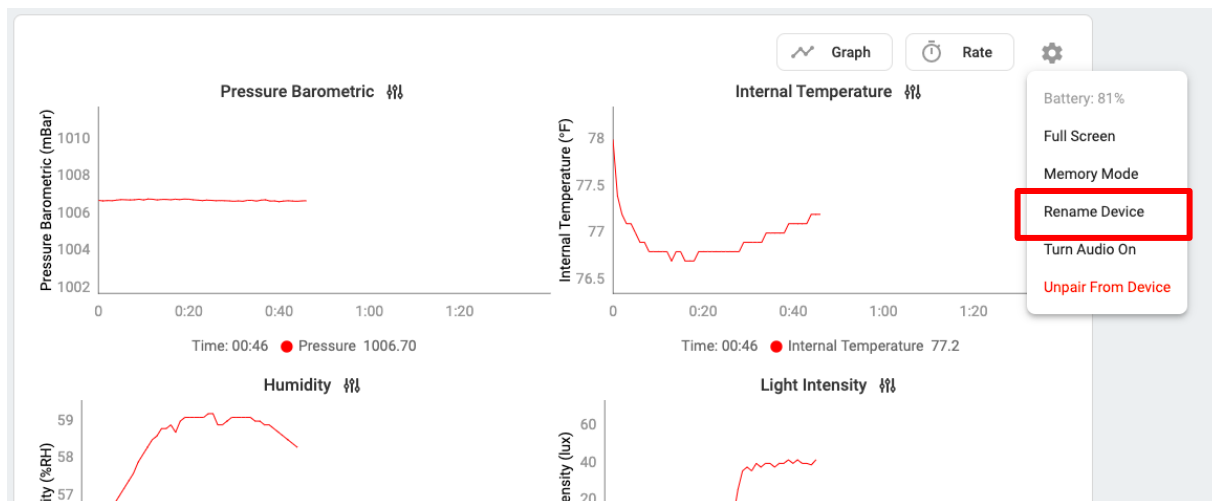
Note: Only PocketLab Voyager and PocketLab Weather devices can be renamed; PocketLab Air devices cannot.

To rename a PocketLab device, you will need to:

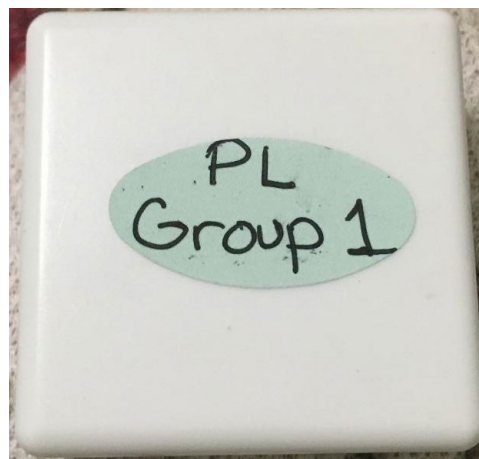
1. Make sure only one of the devices is on, or that the other ones are far enough to not have a strong signal, so you know you have the right one. You can also do a quick test of temperature or humidity to see if you are connected to the correct device.
2. Connect to the PocketLab and then click on the settings icon in the upper right corner of the screen.



3. From the settings menu, select "Rename Device". Change the name of the PocketLab. "PL Group1; PL Group 2; PL Group 3" are good examples of how you could change the name of PocketLabs used by different lab groups. Do not use symbols.



4. Disconnect the PocketLab (turn it off) and start the connection process again (turn it on). The new name of the PocketLab should now be shown in the connection screen. Note: When changing the name on the PocketLab iOS app it may require you to connect and disconnect your PocketLab twice before the new name of the PocketLab is displayed.
5. Use a label or a permanent marker to identify the PocketLab device with its new name. Repeat this process for the rest of the devices.



Signal Strength Indicator

When connecting to a PocketLab on PocketLab Notebook or in the PocketLab iOS app, the connection window will display all of the names of the PocketLabs that are currently advertising. Next to the name of each PocketLab is a Bluetooth signal strength indicator. If all of the names of the student PocketLabs are the same, students should hold their PocketLab close to their device and select the PocketLab with the strongest signal strength. That should be the closest PocketLab to their device.

For tutorials and experiment demo videos, please visit our PocketLab webpage:

<https://web.greenninja.org/pocketlab>