## **TASK CARD: AIR SENSOR**

#### Directions

- 1. Open the app and click on the "Connect a PocketLab" square at the top.
- 2. Turn on PocketLab. It should appear in the menu box. Click on "PL Air."

### Investigate

- 3. Click on the graph icon at the top.
  - A. How many different types of data can it collect?
  - B. How many graphs can it create at one time?
- 4. Click on the **ruler icon** at the top.
  - A. How many different measurements can it take?
  - B. What does this icon allow students to change?
  - C. Using the graph icon, set some parameters, and hit the <u>record</u> button. Record for 30 seconds.
  - D. Then, hit the **<u>stop</u>** button and look at your data.
  - E. How can students change the x- and y-axis scales to see more in-depth data?
- 5. Click on the **share icon** on the far right.
  - A. What two things can students do with their data?
  - B. Use the blue "clear" button at the bottom to clear the data you recorded.
- 6. Click on the **memory icon** to the right of the graph icon at the top. What does this enable students to do?
- 7. Free play...





Connect a PocketLab

sensors

Graph data from all PocketLab

PocketLab Measurements Explained: shorturl.at/yJKNV

POCKETLAB SENSOR TECH



# **TASK CARD: WEATHER SENSOR**

### Directions

- 1. Open the app and click on the "Connect a PocketLab" square at the top.
- 2. Turn on PocketLab. It should appear in the menu box. Click on "PL Weather."

#### Investigate

- 3. Click on the graph icon at the top.
  - A. How many different types of data can it collect?
  - B. How many graphs can it create at one time?
- 4. Click on the **ruler icon** at the top.
  - A. How many different measurements can it take?
  - B. What does this icon allow students to change?
  - C. Using the graph icon, set some parameters, and hit the <u>record</u> button. Record for 30 seconds.
  - D. Then, hit the **<u>stop</u>** button and look at your data.
- 5. Click on the **share icon** on the far right.
  - A. What two things can students do with their data?
  - B. Use the blue "clear" button at the bottom to clear the data you recorded.
- 6. Click on the gas tank icon. What does this allow students to change?
- 7. Click on the video icon. What happened?
- 8. Free play...

Connect a PocketLab Graph data from all PocketLab sensors	
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PL Air 🧧	26.00
PL Voyager 🧧	24.00
	22.30°C
	Č 20.00
	18.00
	-2.0 0.0 2.0 4.0 6.0 8.0 Time (s)

PocketLab Measurements Explained: shorturl.at/yJKNV



# **TASK CARD: VOYAGER SENSOR**

### Directions

- 1. Open the app and click on the "Connect a PocketLab" square at the top.
- 2. Turn on PocketLab. It should appear in the menu box. Click on "PL Voyager."

#### Investigate

- 3. Click on the graph icon at the top.
  - A. How many different types of data can it collect?
  - B. How many graphs can it create at one time?
- 4. Click on the **ruler icon** at the top.
  - A. How many different measurements can it take?
  - B. What does this icon allow students to change?
  - C. Using the graph icon, set some parameters, and hit the <u>record</u> button. Record for 30 seconds.
  - D. Then, hit the **<u>stop</u>** button and look at your data.
- 5. Click on the **share icon** on the far right.
  - A. What two things can students do with their data?
  - B. Use the blue "clear" button at the bottom to clear the data you recorded.
- 6. Click on the gas tank icon. What does this allow students to change?
- 7. Click on the video icon. What happened?
- 8. Free play...

Acceleration: <u>shorturl.at/orPV2</u> RED X = BLUE Y =

GREEN Z =

PocketLab Measurements Explained: <a href="mailto:shorturl.at/yJKNV">shorturl.at/yJKNV</a>





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