A picture containing person, computer, keyboard, indoor

Description automatically generated**TASK CARD: AIR SENSOR**

A picture containing logo

Description automatically generated**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**

1. Graphical user interface, chart

   Description automatically generatedGraphical user interface, application

   Description automatically generatedClick on the **graph icon** at the top.
   1. How many different types of data   
      can it collect?
   2. How many graphs can it create at   
      one time?
2. Click on the **ruler icon** at the top.
3. How many different measurements can it take?
4. What does this icon allow students to change?
5. Using the graph icon, set some parameters, and hit the **record** button. Record for 30 seconds.
6. Then, hit the **stop** button and look at your data.
7. How can students change the x- and y-axis scales to see more in-depth data?
8. Click on the **share icon** on the far right.
   1. What two things can students do with their data?
   2. Use the blue “clear” button at the bottom to clear the data you recorded.
9. Click on the **memory icon** to the right of the graph icon at the top. What does this enable students to do?
10. Free play…

PocketLab Measurements Explained: [shorturl.at/yJKNV](http://shorturl.at/yJKNV)

**TASK CARD: WEATHER SENSOR** A picture containing text, person, computer, keyboard

Description automatically generated

A picture containing logo

Description automatically generated**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**Chart, line chart

Description automatically generatedGraphical user interface, application

Description automatically generated

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

PocketLab Measurements Explained: [shorturl.at/yJKNV](http://shorturl.at/yJKNV)

**TASK CARD: VOYAGER SENSOR** A picture containing keyboard, computer, indoor, person

Description automatically generated

A picture containing logo

Description automatically generated**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.”

Graphical user interface

Description automatically generated with low confidence**Investigate**Graphical user interface, application

Description automatically generated

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

Acceleration: [shorturl.at/orPV2](http://shorturl.at/orPV2)

RED X =

BLUE Y =

GREEN Z =

PocketLab Measurements Explained: [shorturl.at/yJKNV](http://shorturl.at/yJKNV)