# Group 5: Light Intensity

## Part 1: Getting started

1. Open the PocketLab app on your ipad and follow the instructions on the device to pair it with the PocketLab Voyager
2. Tap the graph icon in the top right screen of the iPad. Scroll down and select light intensity from the list of options.
3. Press the record button at the bottom centre of the screen
4. Place the PocketLab face-up on the table

## Part 2: Research

**What does Lux measure?**

**What are some ambient light recommendations for different work? How does your room compare?**

## Part 3: Test

1. Move your hand over the PocketLab, using the graph to figure out where the light sensor is on the device. **How low can you make the graph go?**
2. Move the PocketLab around the room and record the Lux levels.
3. Shine a torch on the light sensor. **How high can you make the light sensor go?**
4. When you are finished, press the red stop button at the bottom of the screen.

## Part 4: Export

1. Use the share button in the bottom right of the screen and tap Share Data.
2. Tap 'Gmail’ and email the data to yourself to work on your laptop.

## Part 5: Compare

1. Compare the light intensity in each area.
2. How long did it take on average to record the temperature?

## Part 6: Graph

1. Take a look at the exported data.
2. Choose an appropriate graphing tool and style to compare the data you recorded.

## Part 7: Present

**Present your graphs and interpretations of your findings to the class.**