Experiment S-1
Light in Different Environments

Objectives
- To learn about qualitative and quantitative data
- To explore Light changes in different environments
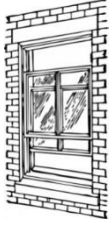
Description
In this experiment you will measure light intensity in different environments, indoors and outdoors, through Panda's light sensor.

Instructions

- Press on the icon on the top left of the Panda screen and pick the "Light" option (if it is not already selected).

- Press on the **lx** icon and change the range to 0-6000 lx.

- Measure light in the following conditions:
    - Indoors with no light and the windows closed
    - Indoors with no light and the windows open
    - Indoors with the windows open and lights on.

- Write the light intensity in the next page.

- Press on the **lx** icon and change the range to 0-240,000 lx.

- Measure light in the following conditions:
    - Outdoors (places the sensor horizontally)
    - Outdoors with the sensor aimed at the sun

- Write the light intensity in the in the next page.

- Observe the Light change in other Panda modes:
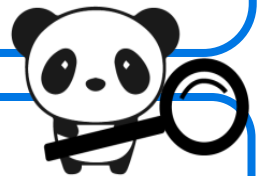 Column 🔴, Graph 📊 , Gauge 🔶

hello

Light Intensity Indoors

	Express the light intensity in words (Qualitative data):	Measured value (Quantitative data): :
No light and windows closed		
No light and windows open		
With the windows open and lights on		

Light Intensity Outdoors

	Express the light intensity in words (Qualitative data):	Measured value (Quantitative data):
Sensor placed horizontally		
Sensor aimed at the sun		

What are the advantages in quantitative and qualitative measurements?

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