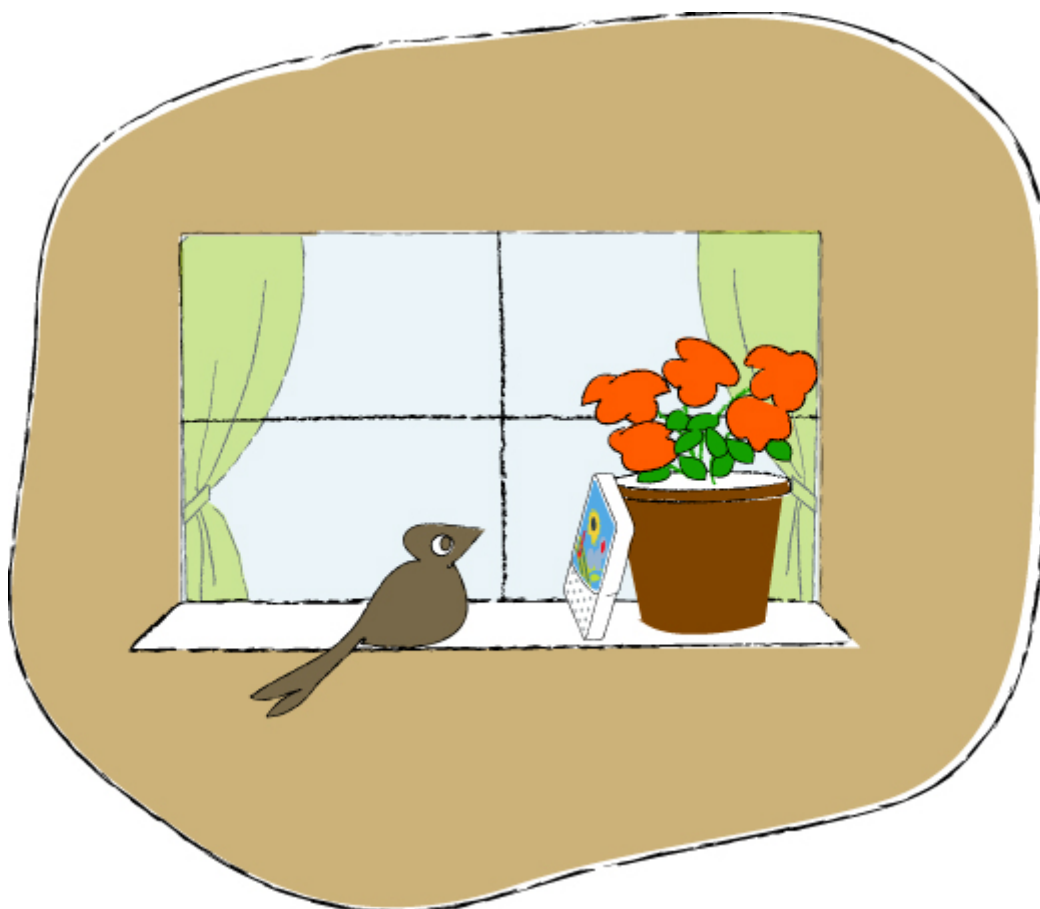





Day and night



We're going to...

Record and try to understand changes in light level, temperature and humidity that occur during one cycle of day and night.

Getting started





- ✚ If EcoLog XL's display is turned off, Press **Go**  to wake it up. If EcoLog XL is collecting data, Press **Stop**  to end collecting and to return to the main menu
- ✚ Move through the cycle of modes by pressing **Scroll**  button until **Easy Log** is displayed

Let's go

1. Place the EcoLog XL at an open window, with the front panel (where the light sensor is located) facing outwards


Note: Make sure that EcoLog XL will not be exposed to direct sunlight




2. Press **Go**  to begin
3. After the 24 hours, press **Stop**  to end the recording
4. Connect EcoLog XL to your computer and open EcoLab
5. Click **Download**  on the upper toolbar, then click **OK**
6. Click **Display Graph**  on the upper toolbar
7. Leave only the light, temperature and humidity sensors on the graph: double click all other sensor's icons in the **Data Map**
8. Observe the changes in the graphs

What did we learn?



Click **New**  on the lower toolbar to open a new text window and type in your answers to the following questions

(don't forget to save your answers - click **Save**  on the lower toolbar):

1. What was the highest temperature recorded? At what time did it occur? (Use the cursor to find out)
2. What was the lowest temperature recorded? At what time did it occur?
3. How long was the daytime? How long was the night time?
4. describe the data flow over the 24 hours
5. draw parallels between the three graphs