

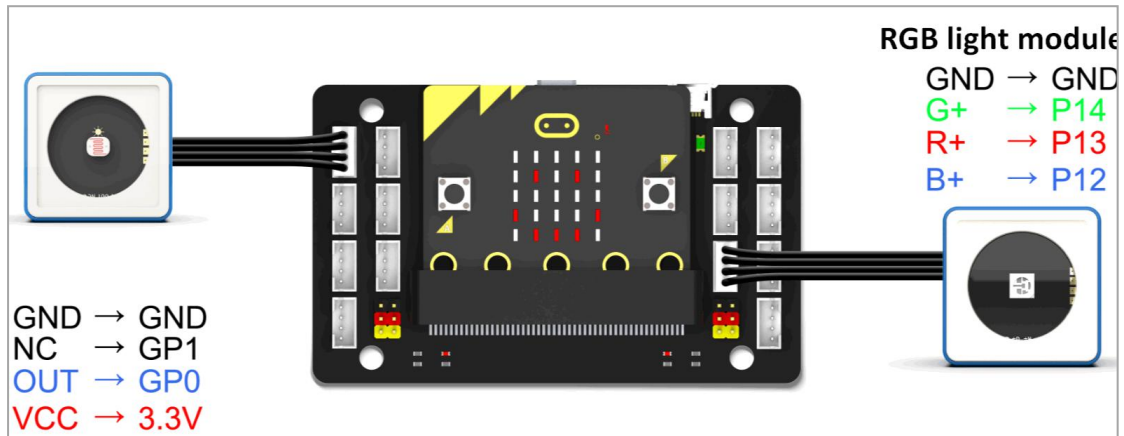
## Emergency light

### 1. Learning target

In this course, we will learn how to use Micro:bit, RGB light module and photosensitive module to make a emergency light.

### 2. Preparation

Connect the module to Micro:bit board by expansion board, as shown below.



### 3. Programming method

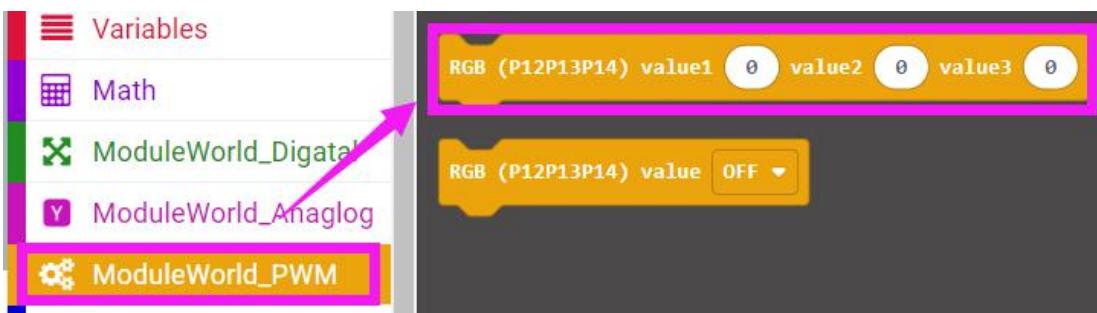
**Mode 1 online programming:** First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive:

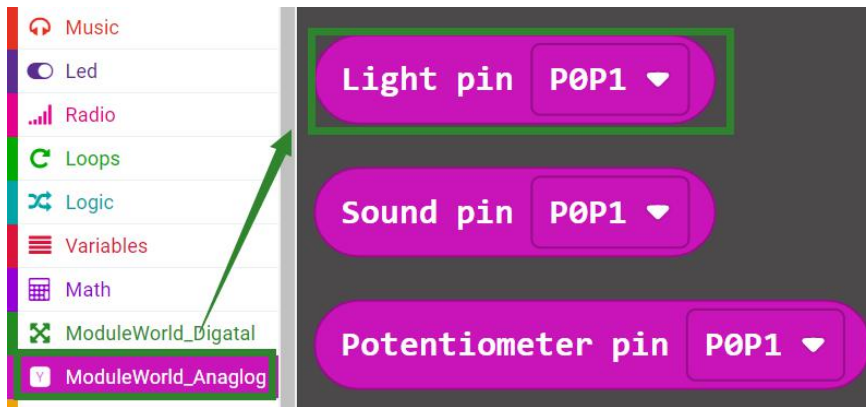
<http://microbit.org/> to enter the programming interface. Add the Yahboom package <https://github.com/YahboomTechnology/Module-World> to program.

**Mode 2 offline programming:** We need to open the offline programming software. After the installation is complete, enter the programming interface, click **【New Project】**, add Yahboom package: <https://github.com/YahboomTechnology/Module-World>, you can start programming.

### 4. Looking for blocks

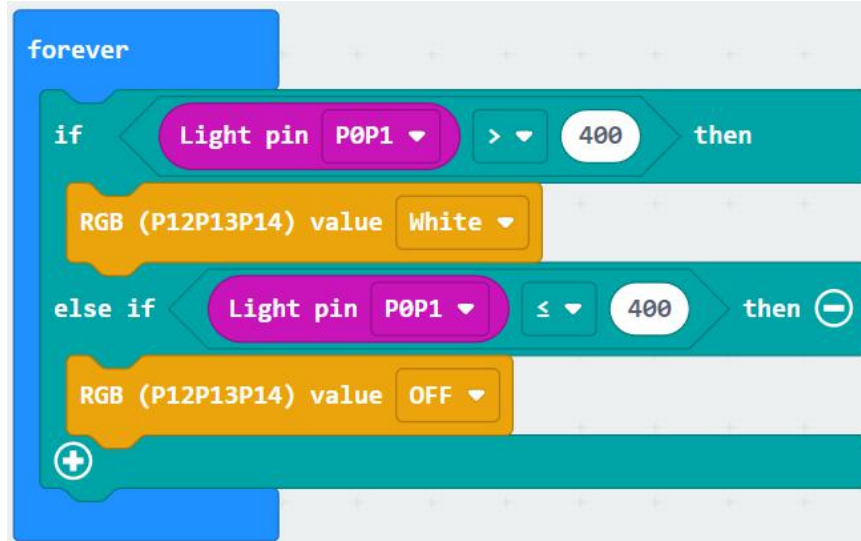
The following is the location of the building blocks required for this programming.





### 5. Combine block

The summary program is shown below.



### 6. Phenomenon

After the program is downloaded successfully. When we block the photosensitive module with our hands, the RGB light is on, otherwise the light is off.