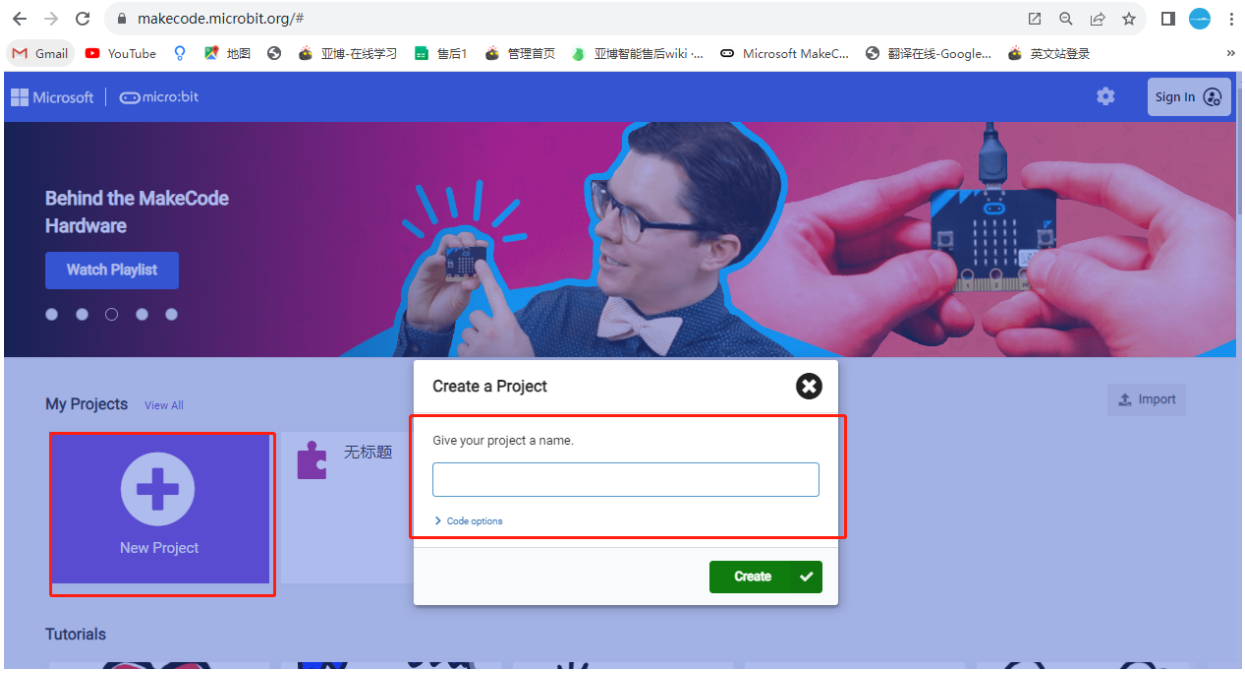
# microbit light painting

## 1.Wiring Instructions

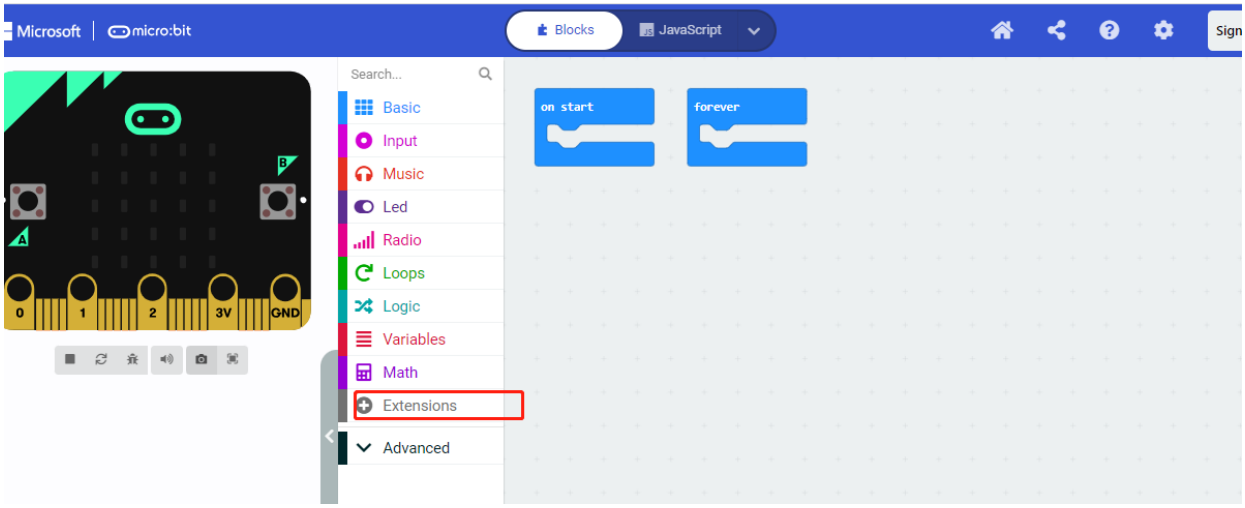
Wire the module according to the wiring diagram below


## 2.programming

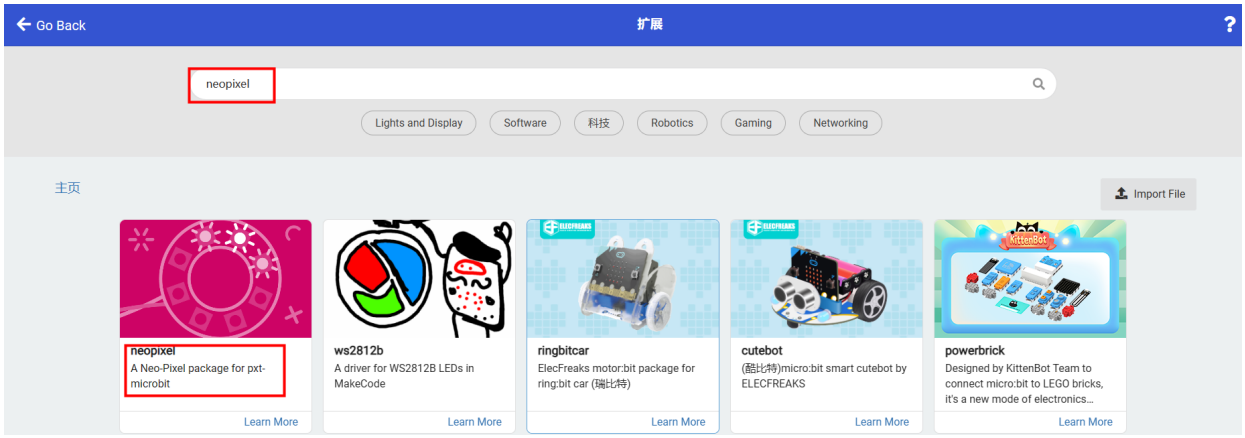
Open the programming website：[http://microbit.org/](http://microbit.org/) ， You can also program software offline, click to create a new project.



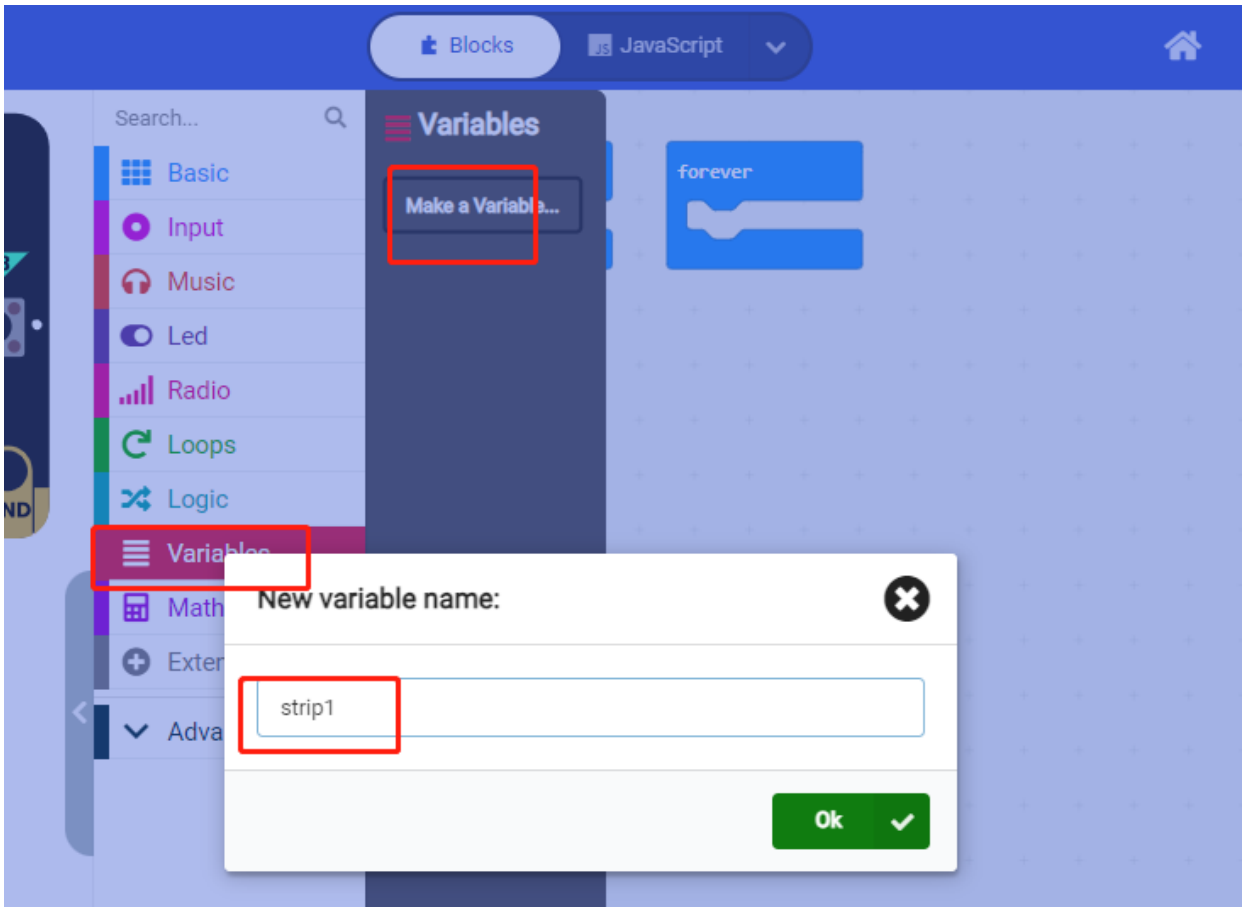

After filling in the information, click Create， click to expand to add the software package.




Enter neopixel in the search box, click OK to add the package.




Click on the variable to set the variable i，strip1，strip2，strip3，strip4.




## 3.required building blocks

Import the light painting source code provided by Yahboom into the makecode software.

View the required building blocks, and then write the code yourself.

You can also directly flash the source code of our case into the microbit board.

Then directly observe the effect of the light painting.

## 4.Importing files

Because the program is large, you can directly import the .hex file.

Select **[**microbit-button light painting.hex**]**

## 5.Flash the code to the control board

Connect the computer with the micro:bit and the expansion board with the USB data cable.

You can choose to select the code **[**microbit-button light painting.hex**]**, right click and send it to the microbit drive letter.

When downloading the code, the yellow indicator light on the back of the microbit main board flashes.

## 6.Experimental phenomena

Press the A button to change the light color and  different lighting effects will appear on the artboard .