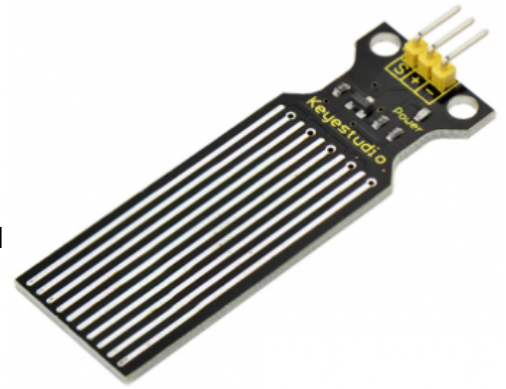
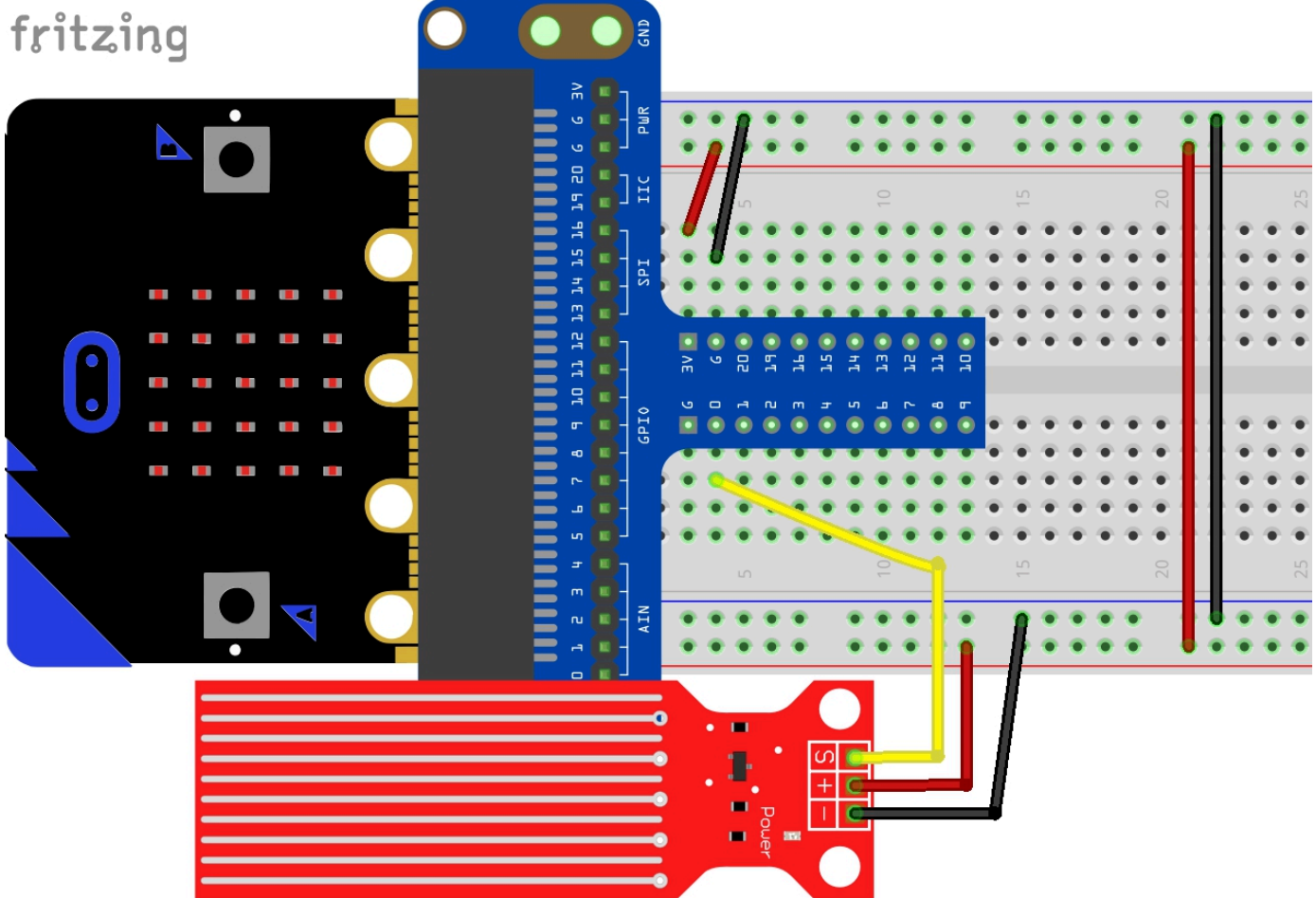


#10 - Water Level Sensor - Display the sensor value of the water level sensor in the serial monitor

Keyestudios' water sensor is easy- to-use, portable and cost-effective, designed to identify and detect water level and water drop. This sensor measures the volume of water drop and water quantity through an array of traces of exposed parallel wires.



BE SURE TO KEEP THE WATER AWAY FROM THE BREADBOARD, WIRES AND POWER SOURCES! Do NOT submerge the entire sensor in the water.



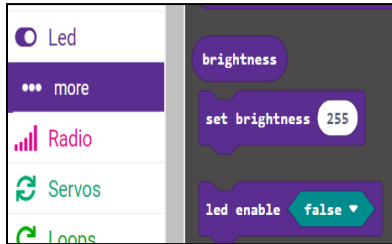
MakeCode Python:

```
led.enable(False)
```

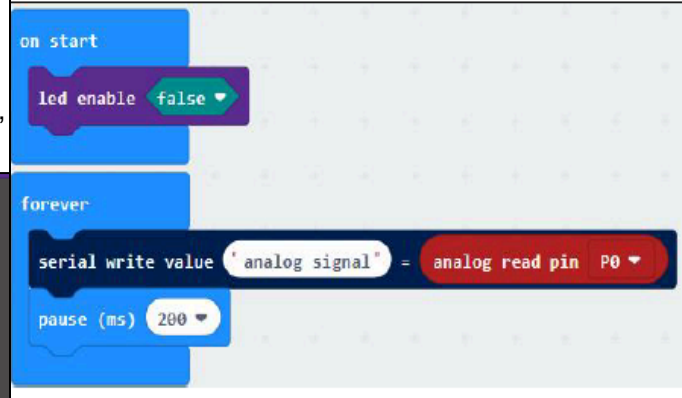
```
def on_forever():  
    serial.write_value("analog signal", pins.analog_read_pin(AnalogPin.P0))  
    basic.pause(200)  
basic.forever(on_forever)
```

MakeCode Blocks:

You will find the blocks you need in
"Basic", "Led, ...more",
"Advanced, Serial" and "Advanced, Pins"



Complete Program:



"on start": command block runs once to start program.

Turn off LED dot matrix

The program under the block "forever" runs cyclically.

The analog signal that serial writes equals to the analog signal read by P0

Delay in 200ms

Micro:bit Python Code:

```
~~~~~  
from microbit import *  
display.off()
```

```
while True:
```

```
    # analog read the value of the sensor on pin0, then set variable called "water_level" to be the analog value
```

```
    water_level = (pin0.read_analog())
```

```
    # display the words "water level", then the value that is stored in the variable "water_level"
```

```
    print("water level", water_level)
```

```
    # delay/wait 100 milliseconds
```

```
    sleep(100)
```

```
~~~~~
```