





# Progressive Development of STEAM Literacy through STEAM Education and Self-directed Learning 透過STEAM教育自主學習有序發展STEAM素養

#### IoT濕度測試

馬頭涌官立小學







### 目錄

**01** ThingSpeak IoT 介紹

**02** IoT編程

03 所需配件

04 裝置設置







## ThingSpeakloT

https://thingspeak.mathworks.com/

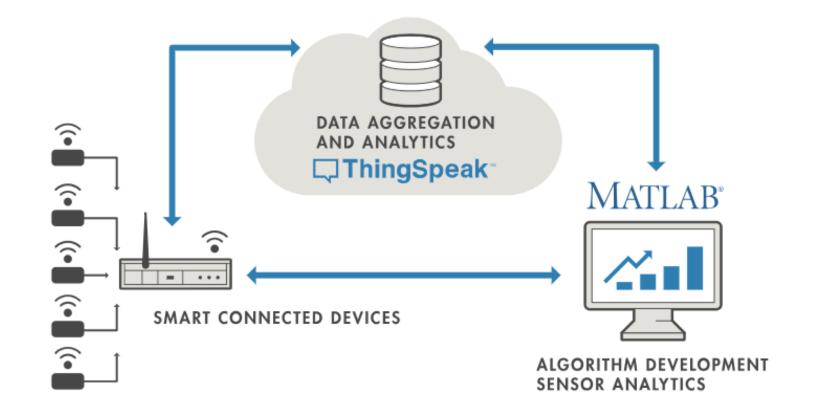
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ŢThingSpeak™	Channels Apps Support ▼	Commercial Use How to Buy

To use ThingSpeak, you must sign in with your existing MathWorks account or create a new one.

Non-commercial users may use ThingSpeak for free. Free accounts offer limits on certain functionality. Commercial users are eligible for a time-limited free evaluation. To get full access to the MATLAB analysis features on ThingSpeak, log in to ThingSpeak using the email address associated with your university or organization.

To send data faster to ThingSpeak or to send more data from more devices, consider the paid license options for commercial, academic, home and student usage.

Email  No account? Create one!  By signing in, you agree to our privacy policy.	
By signing in, you agree to our privacy policy.	

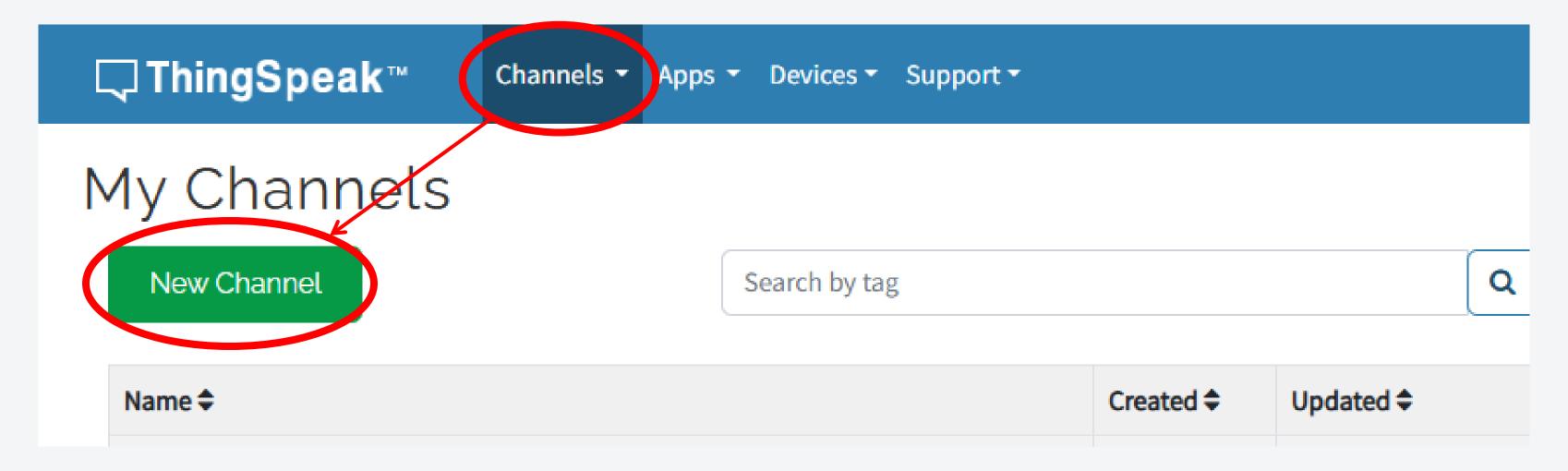








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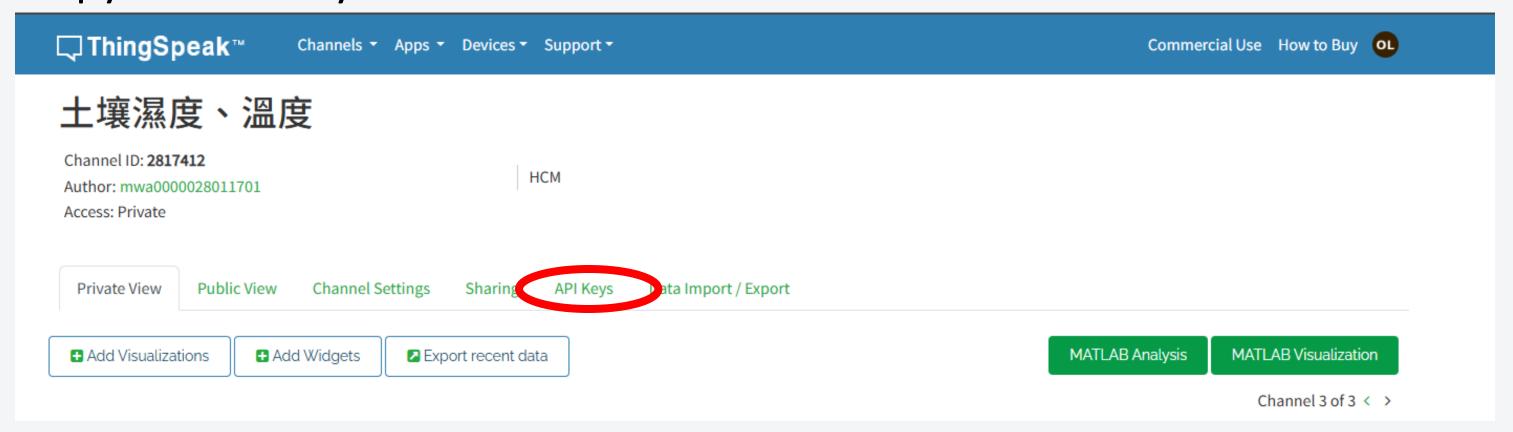








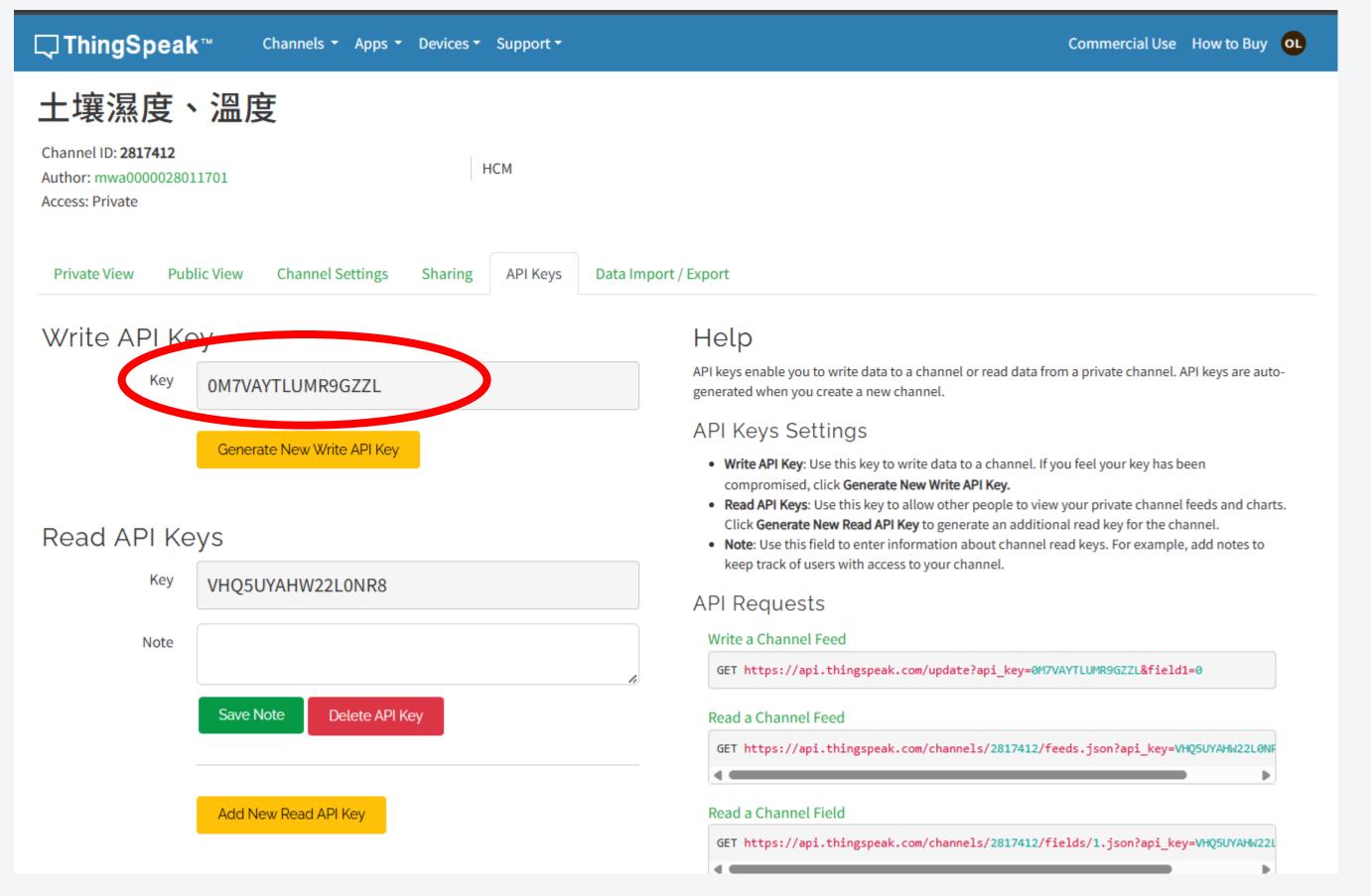
#### Copy the API Key













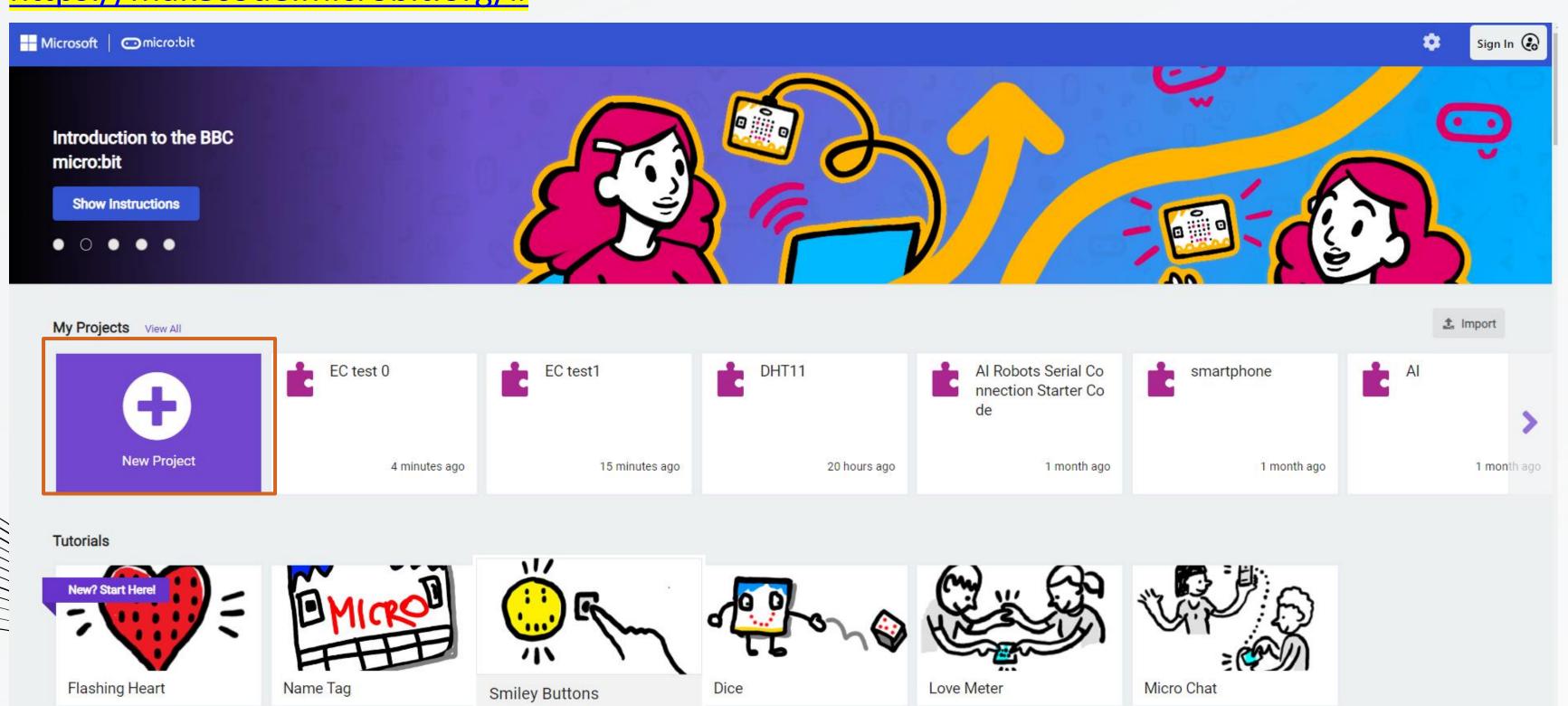




### Makecode

#### https://makecode.microbit.org/#

///////

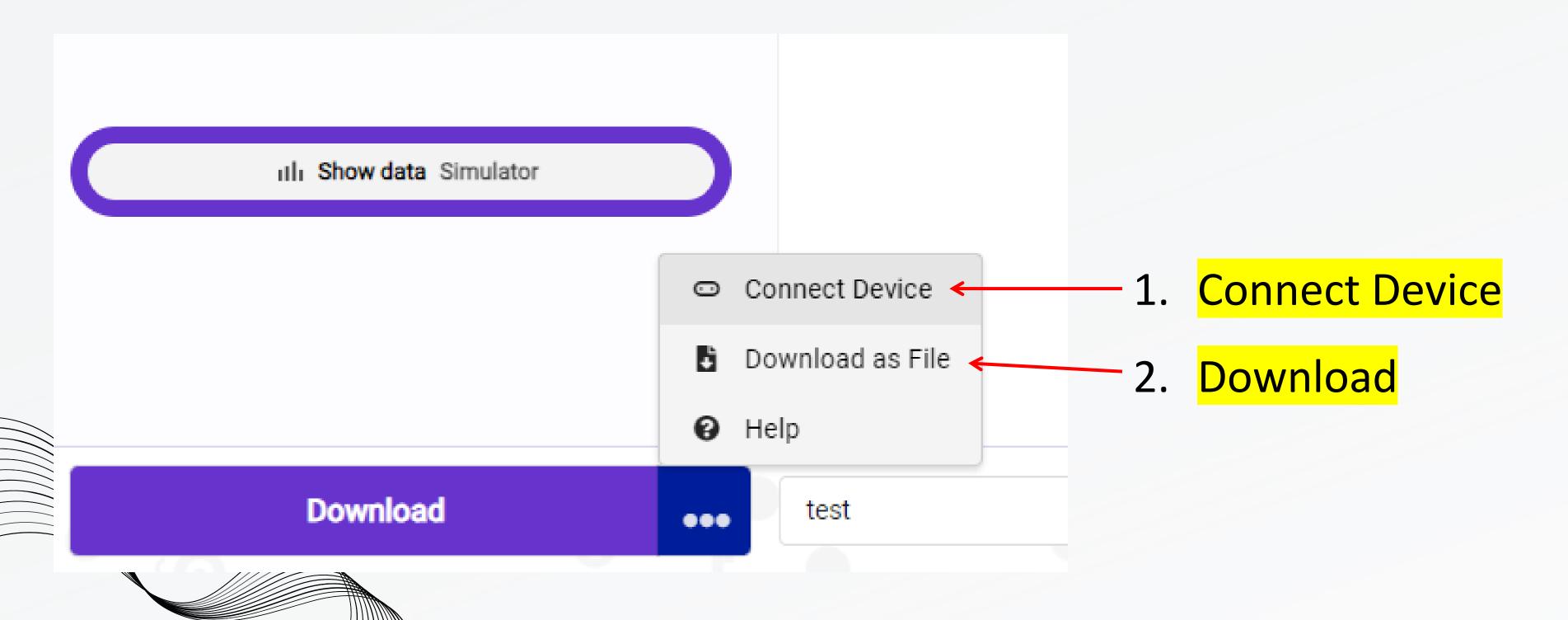








## How to connect with micro:bit?



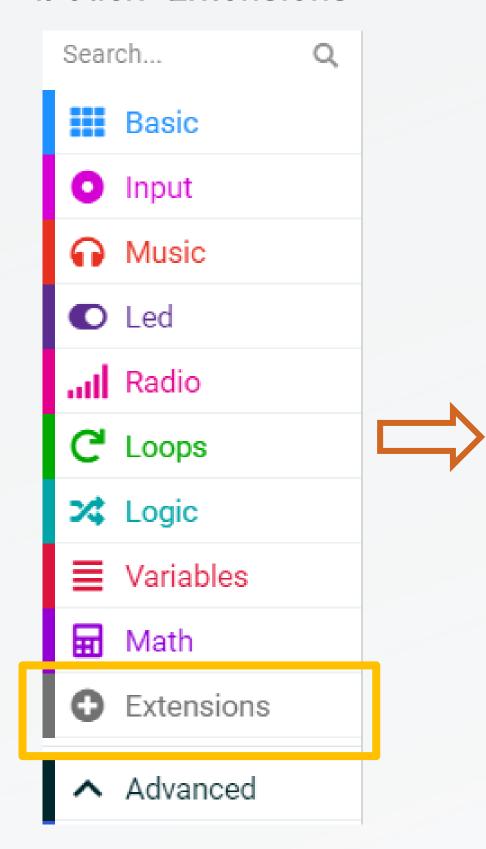


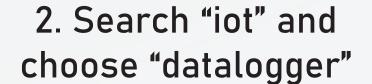
#### Add extensions to Makecode

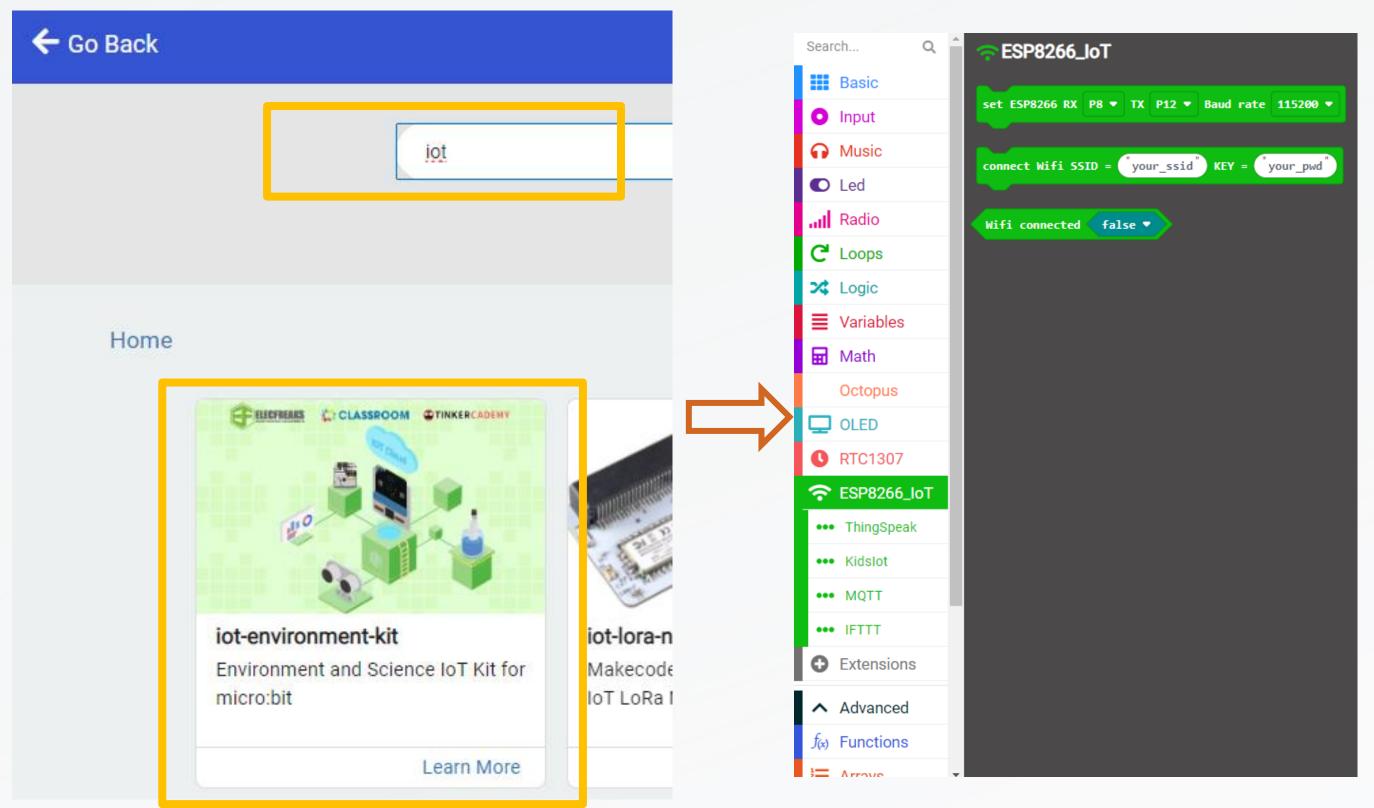




#### 1. Click "Extensions"



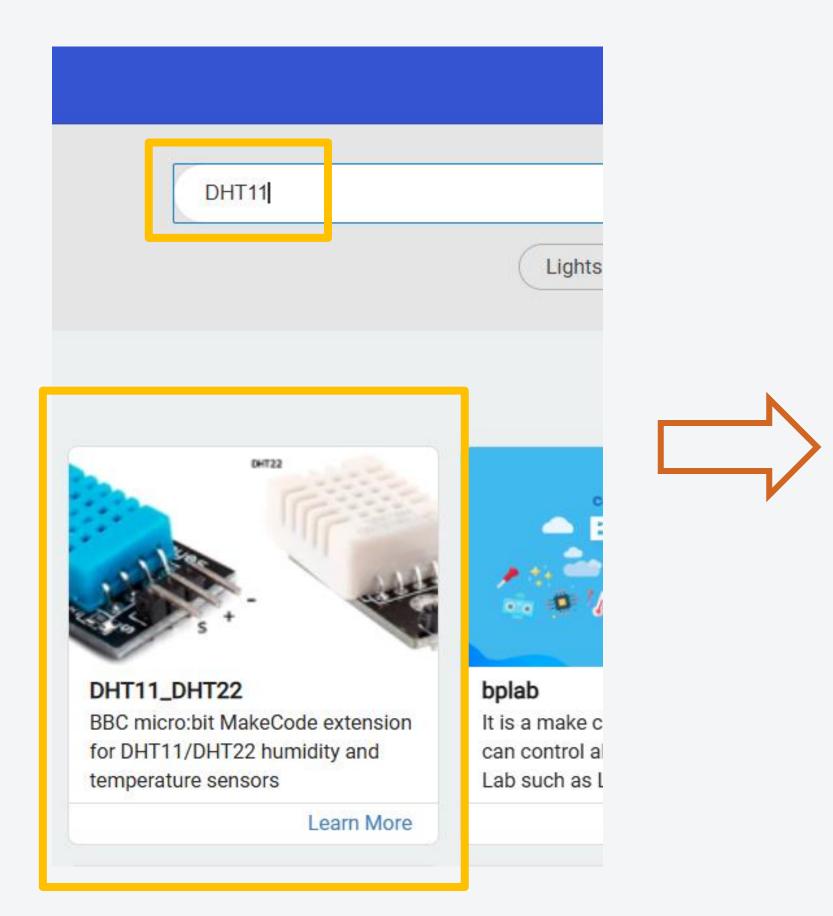


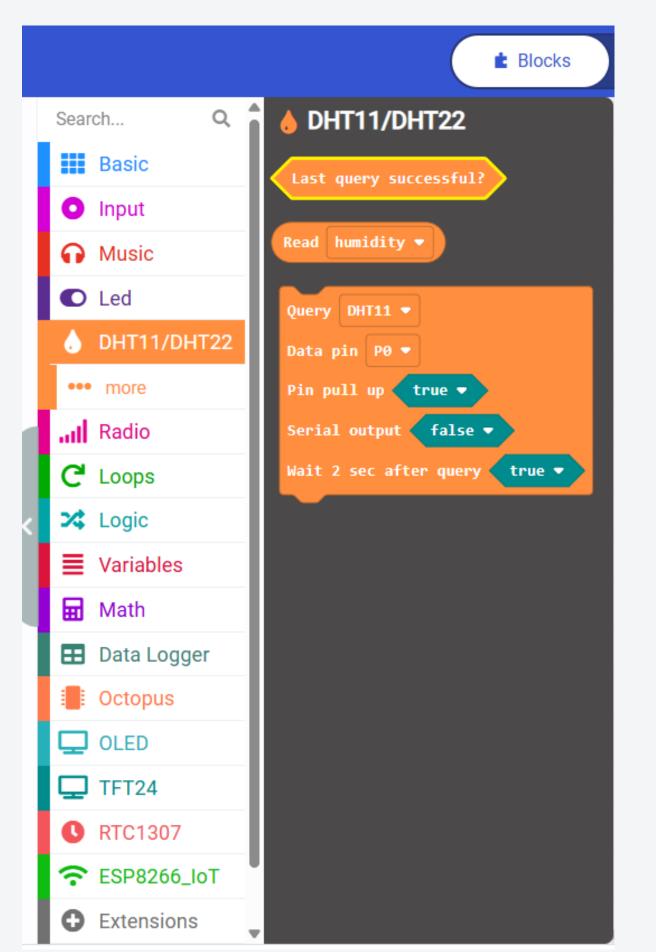










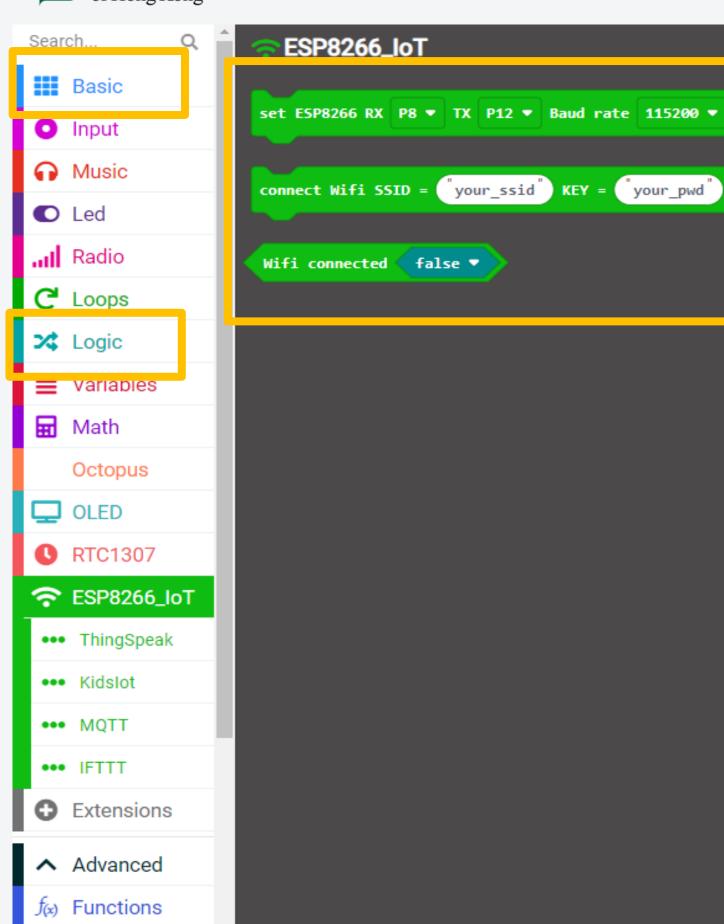


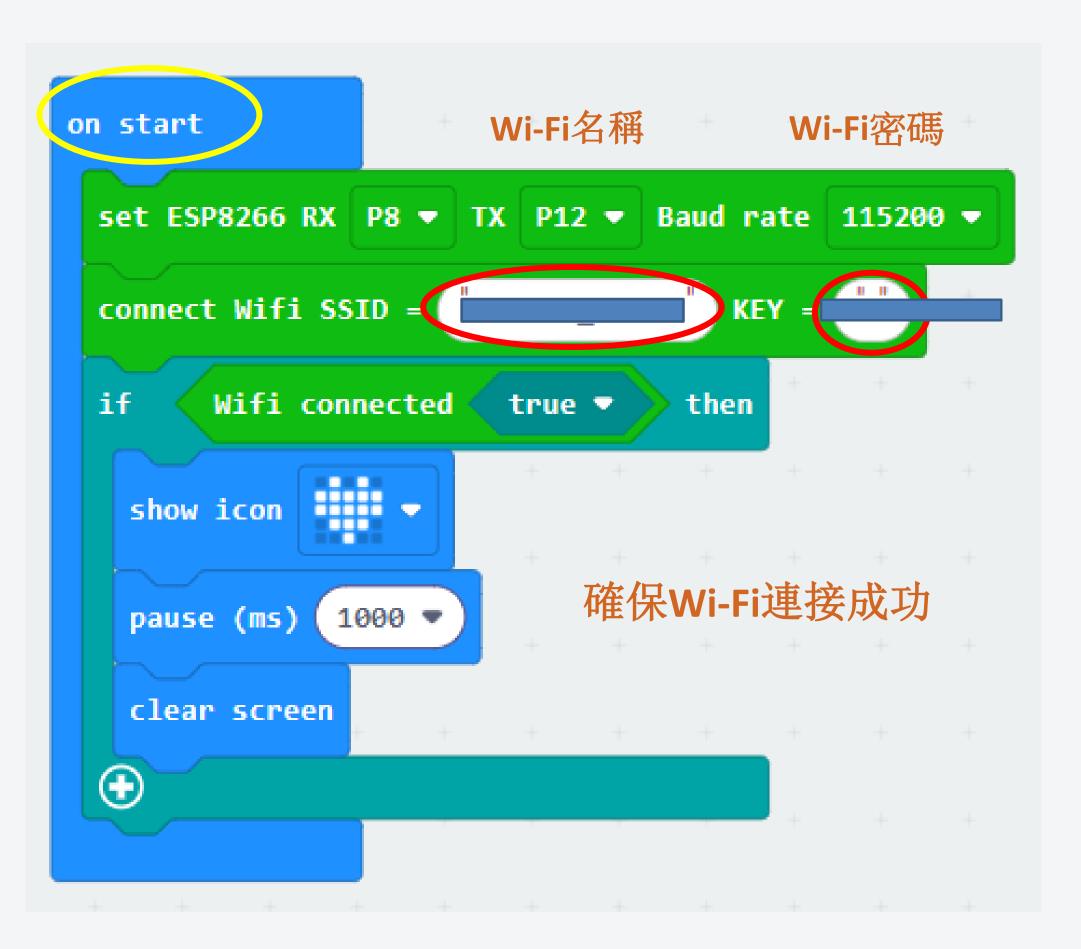


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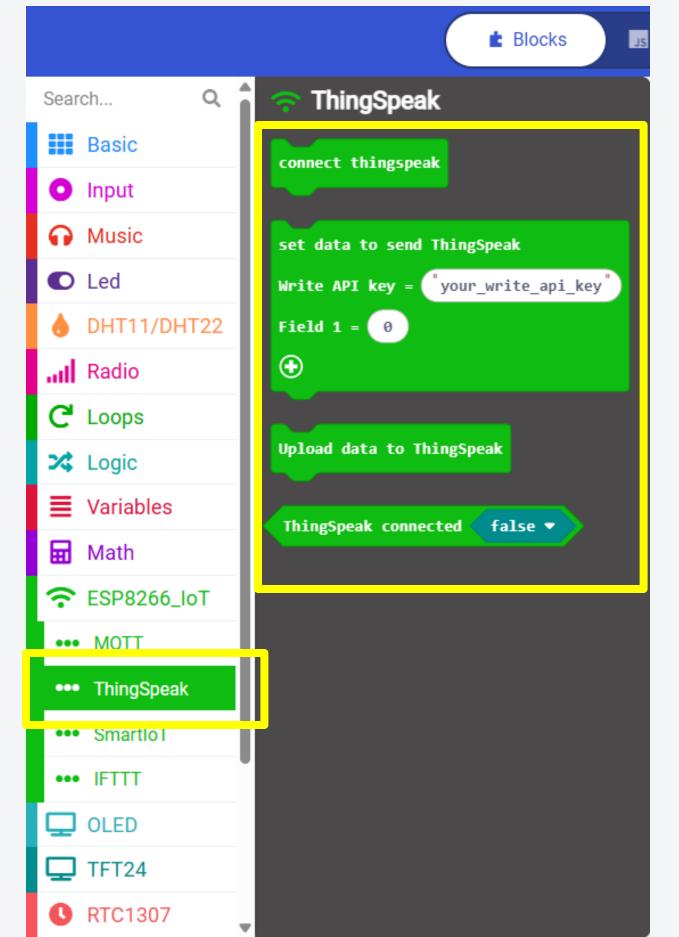


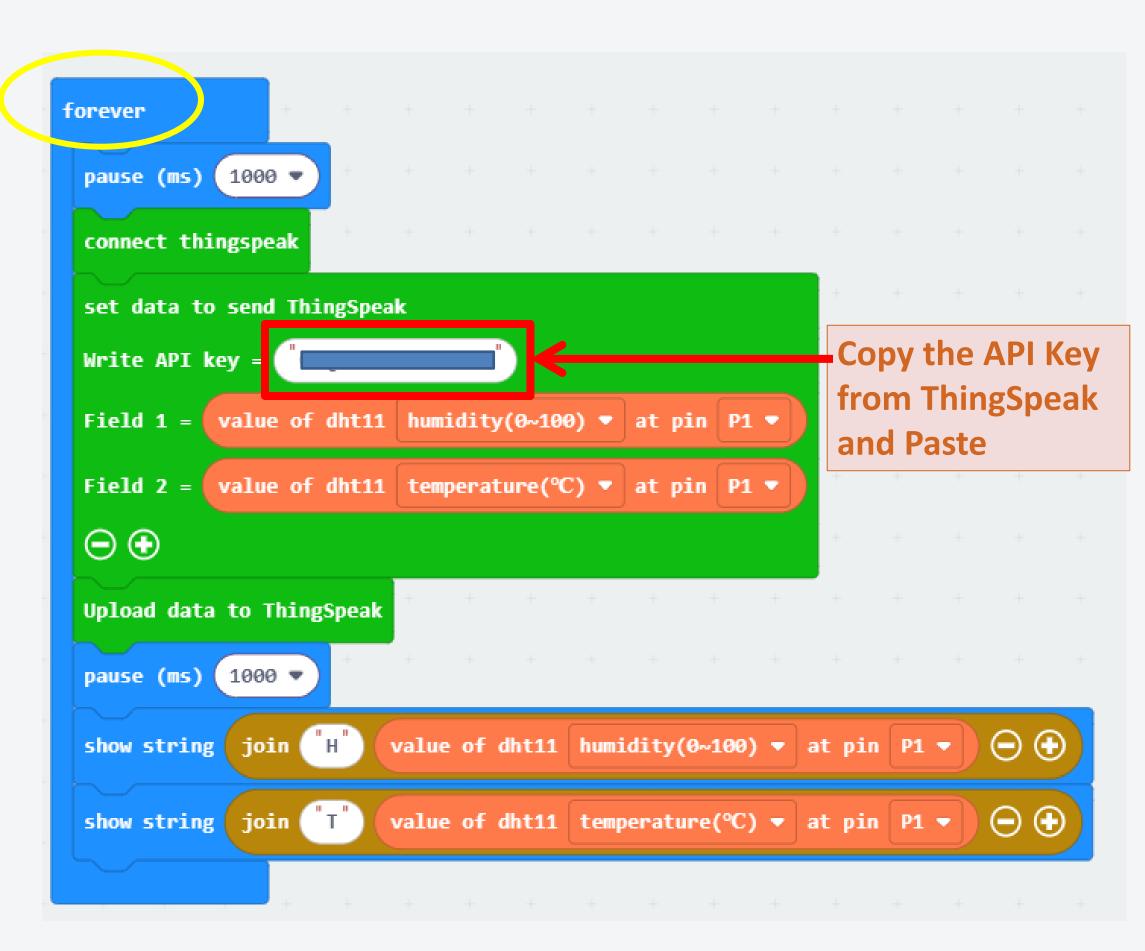




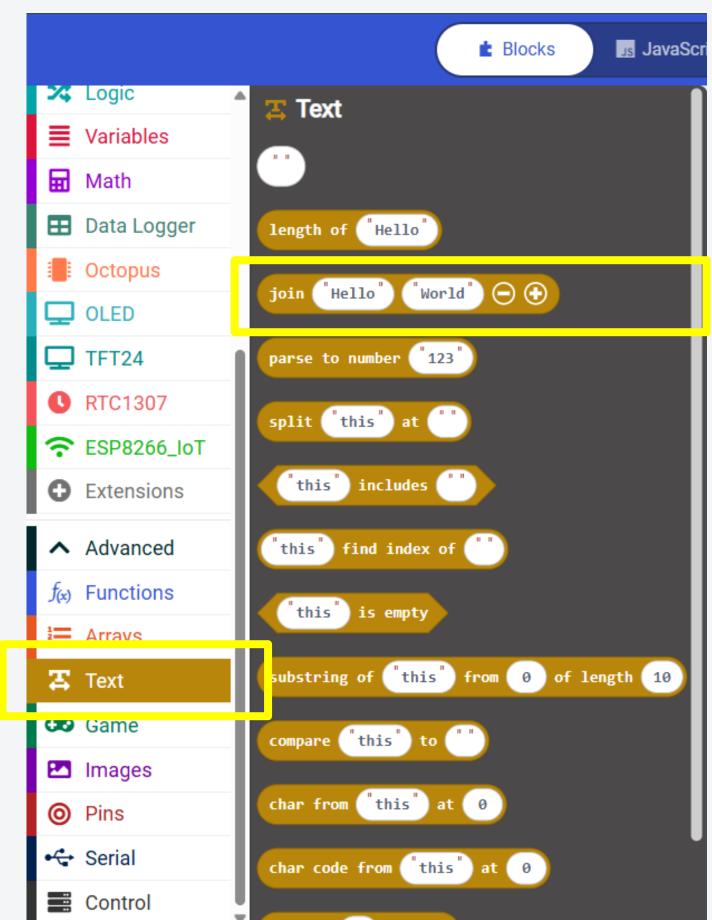






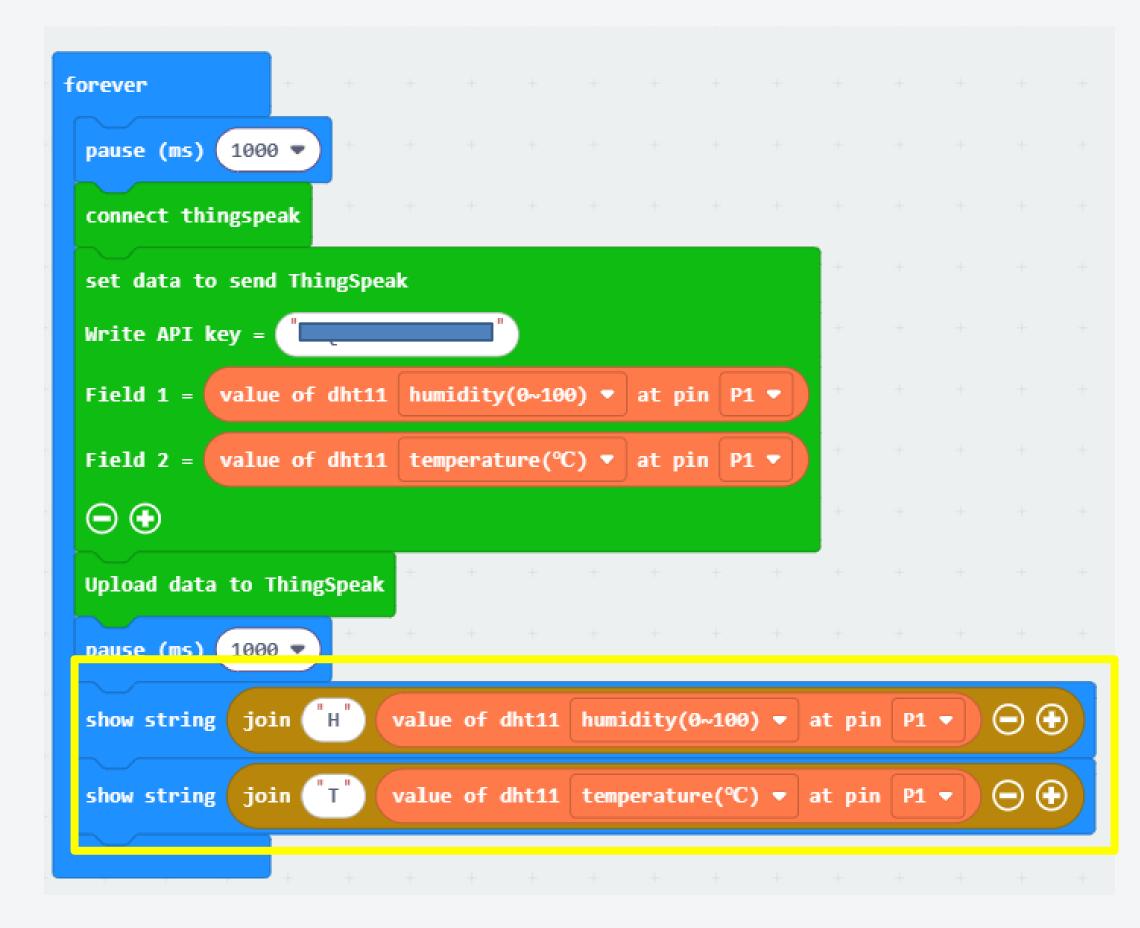










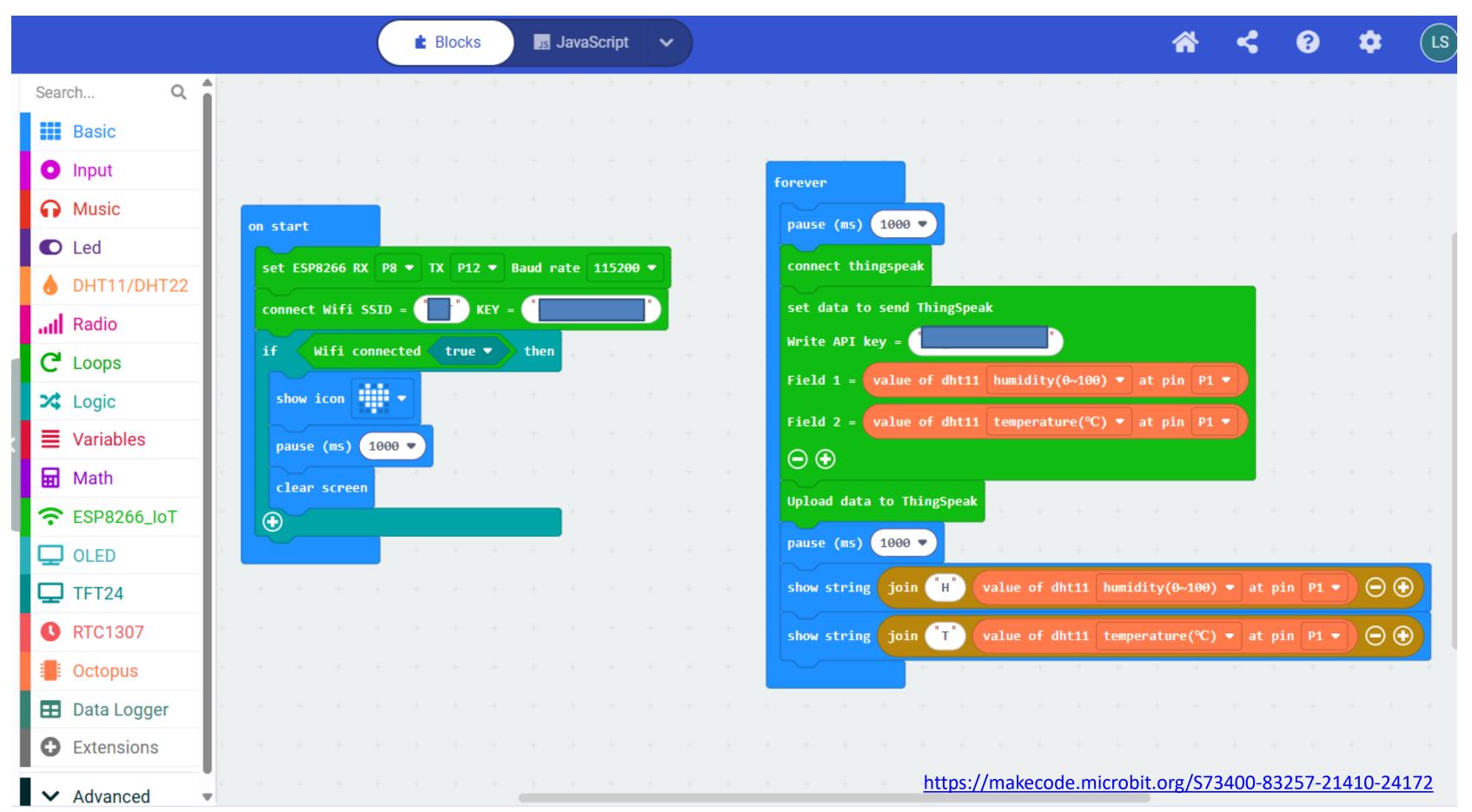




## IOT編程





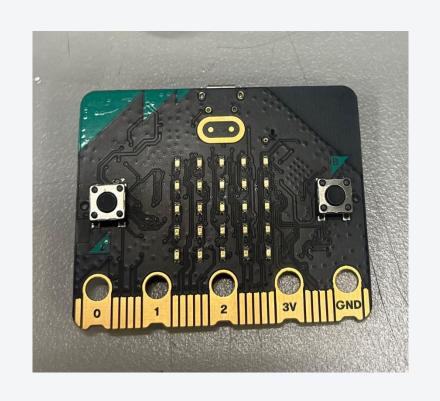


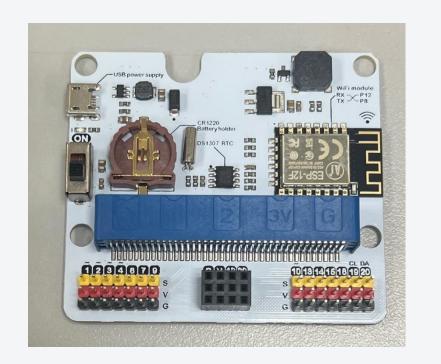


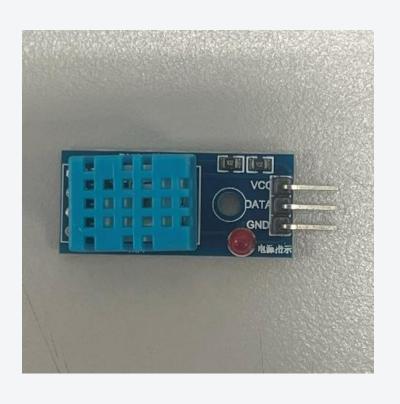




## 所需材料







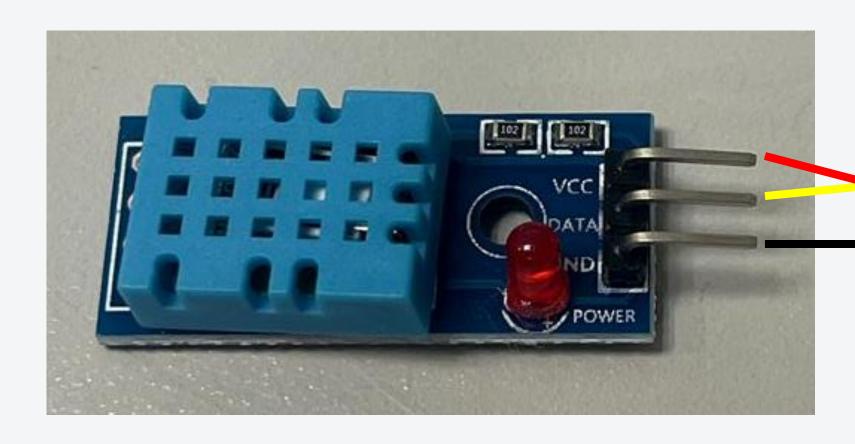


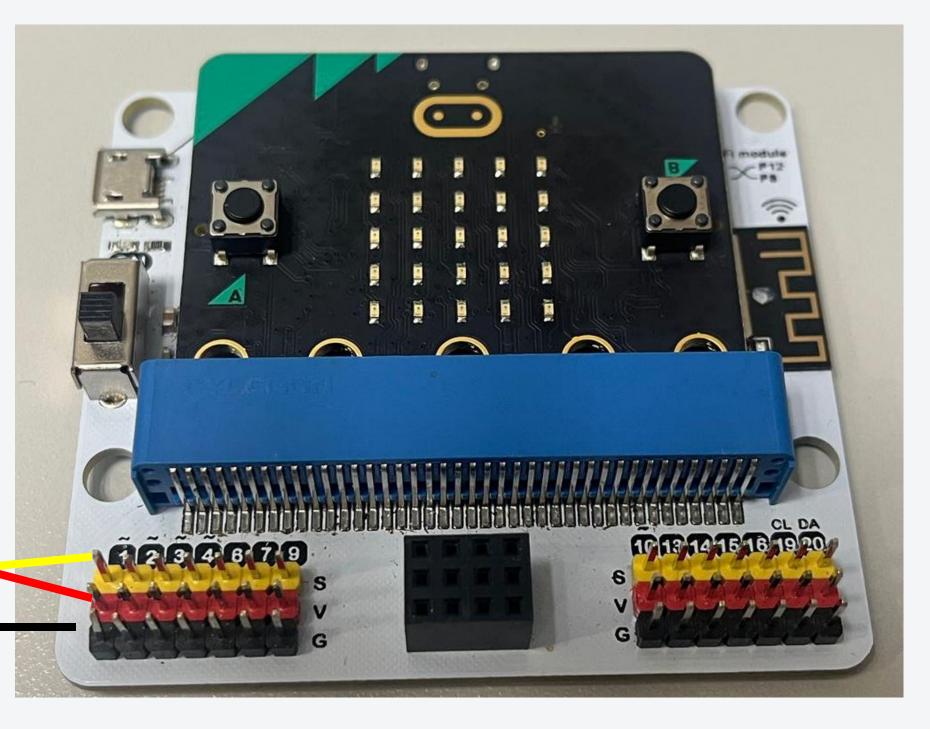






## VCC to V DATA to S GND to G

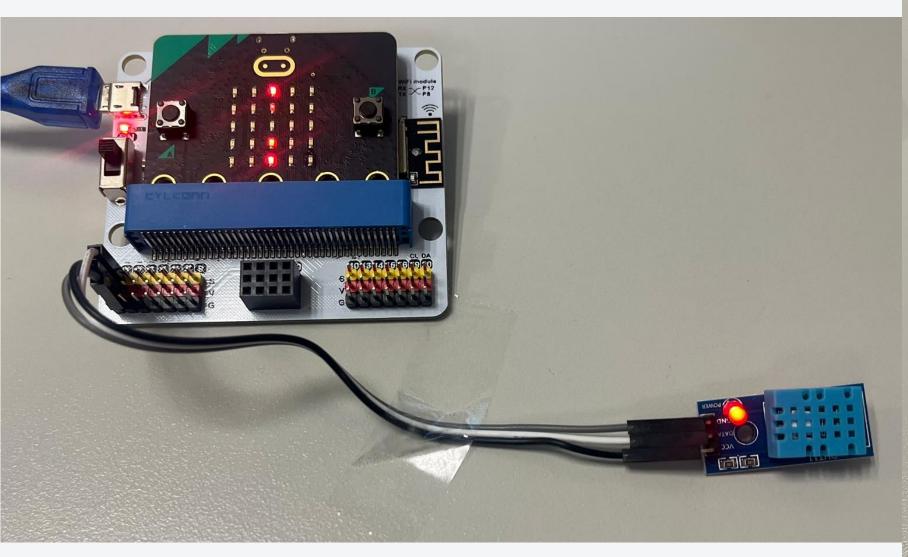


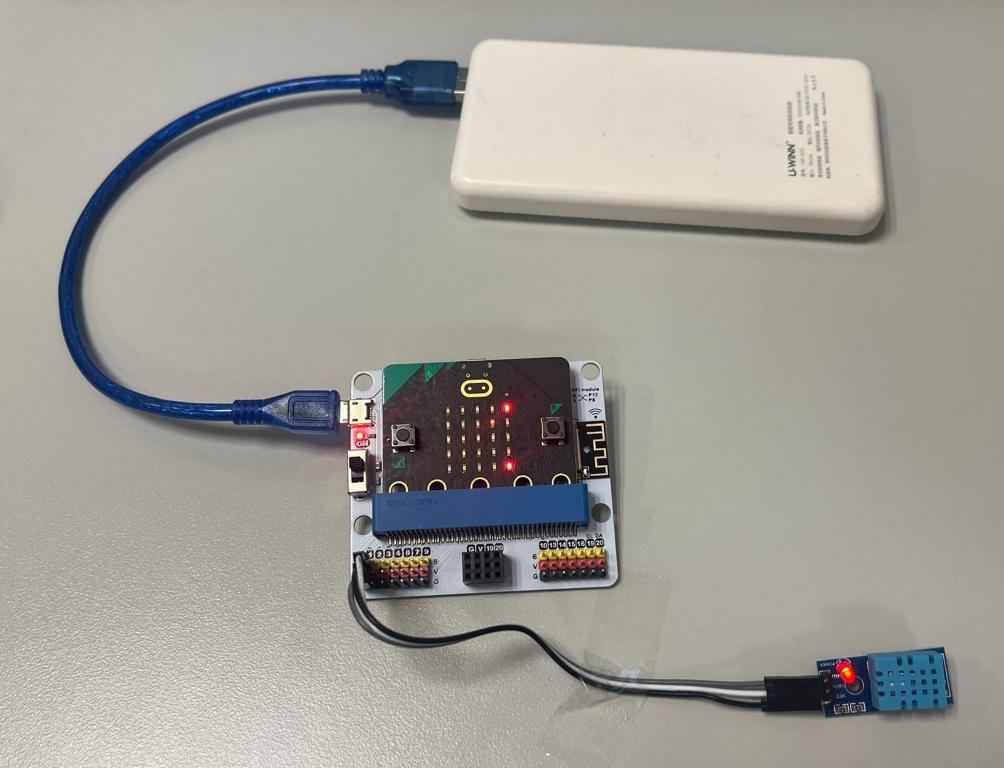










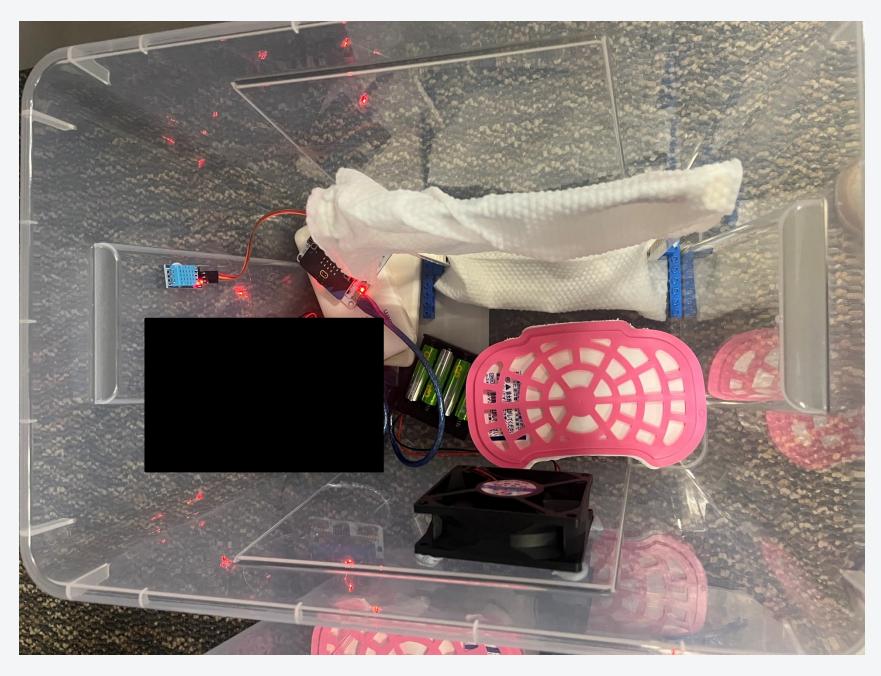


















#### Evaluation



https://forms.gle/QSa8PszA7iZKfS5G8



https://forms.gle/X3k2aaF1AsmefGd97

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PDAR- Mr Tang Kuen Yan