

2024-2025 Quality Education Fund Thematic Network - Tertiary Institutes **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













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所需配件

Micro:bit IoT擴展板 繼電器 土壤濕度計 水泵 杜邦線 供電裝置



















接駁裝置









接駁裝置

Step 2







2. 繼電器駁入擴展板 P2 a) 將電線簡單插入繼電器 b) 將另一邊電線插入擴展板 P2 (黑對黑,紅對紅,黃對黃)





Step 3







3.水泵連接繼電器 a) 扭鬆繼電器上的螺絲 b) 將水泵紅色線駁入繼電器中間Pin位 c) 扭緊繼電器中間Pin位的螺絲













接駁裝置

























<u> https://makecode.microbit.org/S35386-35281-97586-59180</u>



EXTENSIONS : How to connect with ThingSpeak?

ThingSpeak







Login to ThingSpeak

Channels - Apps - Devices - Si	upport -		Commercial Use How to Buy TC	🗔 ThingSpea
My Channels New Channel Search by tag		Q	Help Collect data in a ThingSpeak channel from a device, from another channel, or from the web.	DHT11
Name 🗢	Created 🗢	Updated 🗢	Click New Channel to create a new ThingSpeak channel.	Author: mwa00000313
EC Sensor	2023-09-26	2023-09-26 08:13	Click on the column headers of the table to sort by the entries in that column or click on a tag to show channels with that tag.	Access: Private
Private Public Settings Sharing APriveys Data import? Export			Learn to create channels, explore and transform data. Learn more about ThingSpeak Channels.	Private View Pub
			Examples	
			 Arduino Arduino MKR1000 ESP8266 Raspberry Pi Netduino Plus 	Write APLK Key
			Upgrade	
			Need to send more data faster?	

Need to use ThingSpeak for a commercial project?

Upgrade

Add new channel 1.

2.









1. Click "Extensions"



Add extensions to Makecode

2. Search "iot" and choose "datalogger"

🗲 Go Back		
	iot	

Home













iot編程 Step 2









iot编程













https://makecode.microbit.org/S06157-49144-03922-94573















































Thanks for your attention



