



鳳溪廖潤琛紀念學校

利用 *Micro:bit* 設計電子數卡
鞏固排列多位數的方法

學習目標

- 學習使用 *MICRO:BIT* 編程
- 能根據各種條件排出多位數

課堂設計



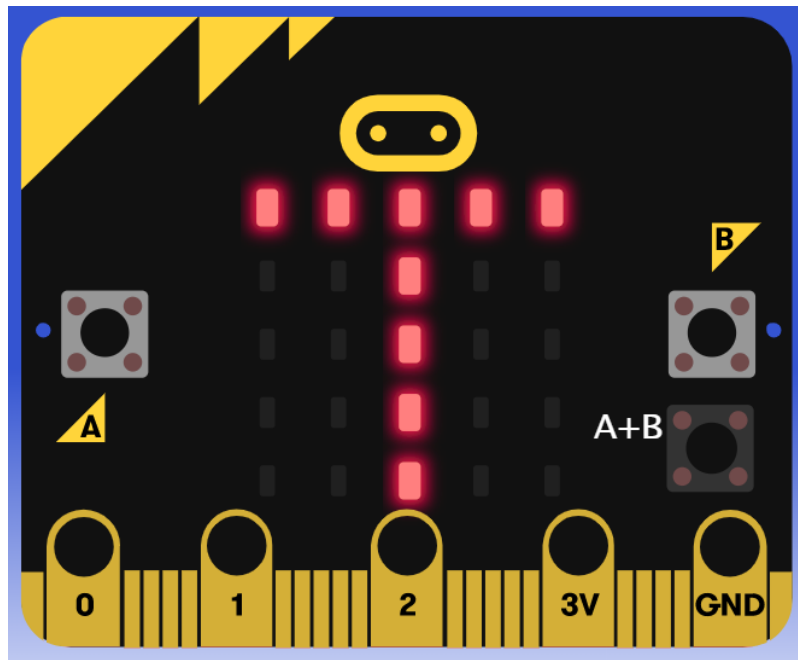
有挑
戰性

喜愛
挑戰

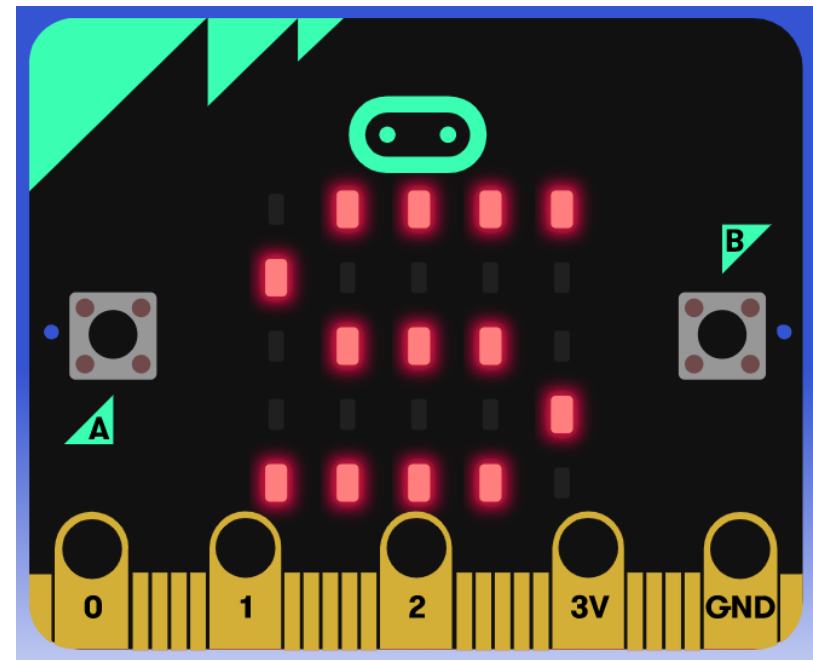
挑戰任務：Micro:bit 編程製作電子數卡

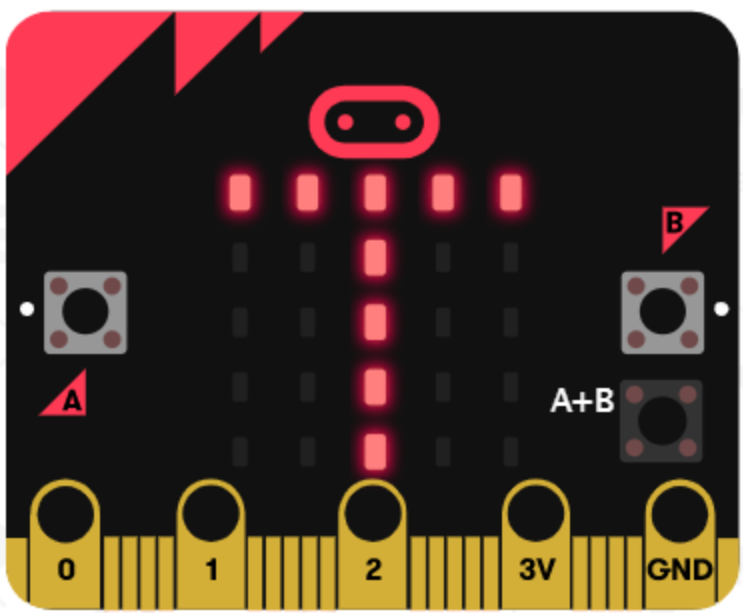


老師版



學生版





Search...

- Basic
- Input
- Music
- Led
- Radio
- Loops
- Logic
- Variables
- Math
- Advanced

on start

radio set group 0

show leds

on button B pressed

radio send string " B "

on button A pressed

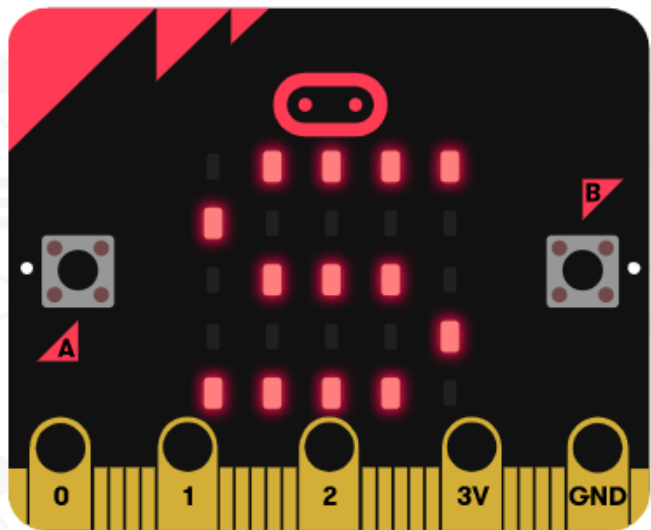
radio send string " A "

on button A+B pressed

radio send string " A "

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多位數-T



Search...

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```
function A
  show number pick random 0 to 9
```

```
function B
  show icon [grid icon]
```

```
function C
  show icon [grid icon]
```

```
on start
  radio set group 1
  show leds [5x5 grid]
```

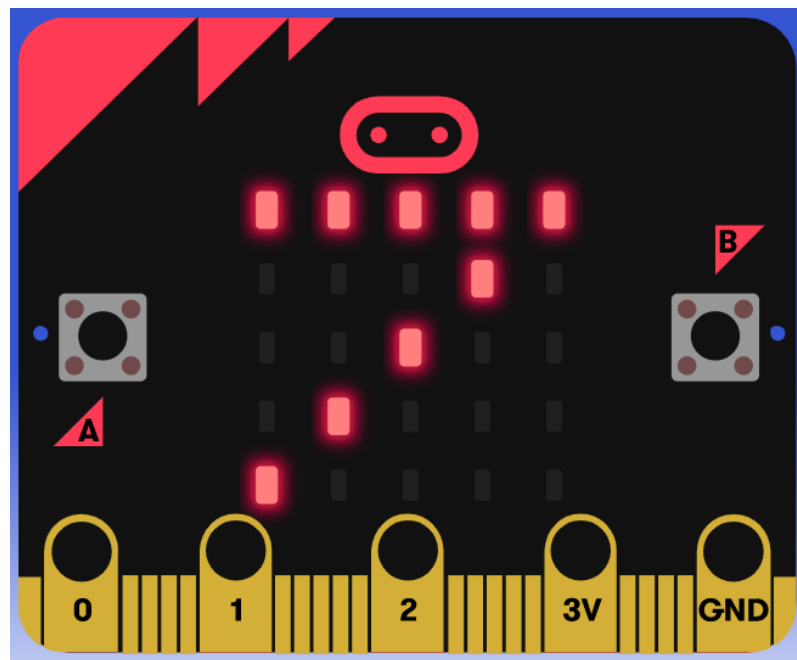
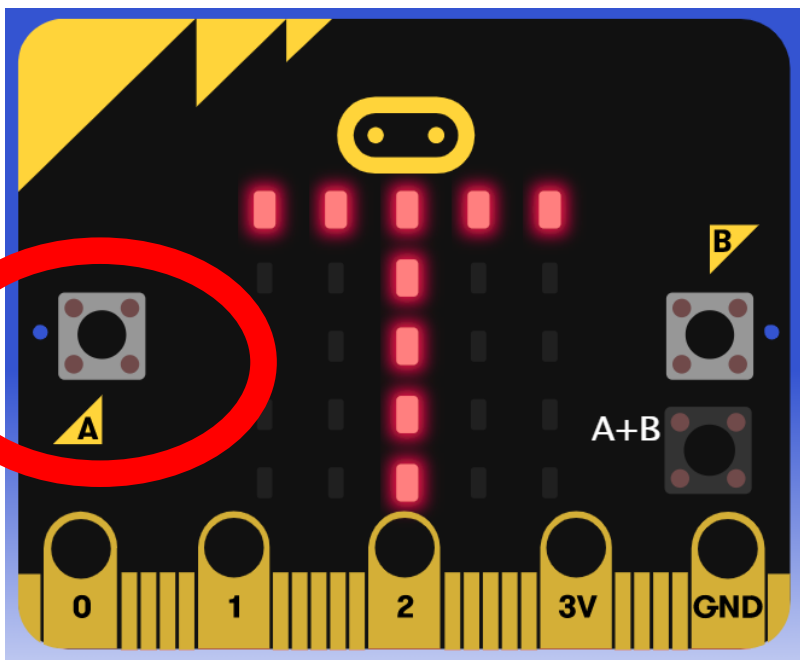
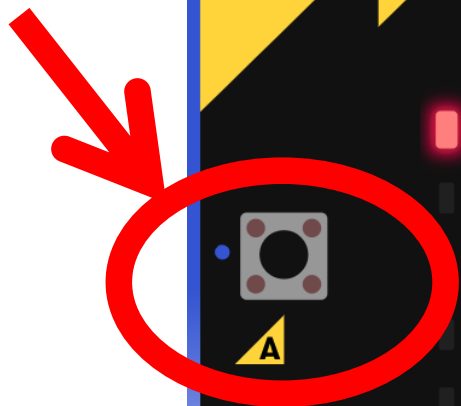
```
on radio received command
  if command = "A" then
    call function A
  else if command = "B" then
    call function B
  else
    call function C
```

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多位數_S

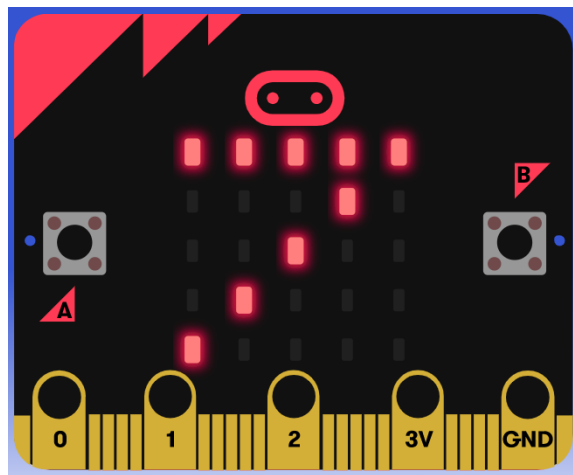
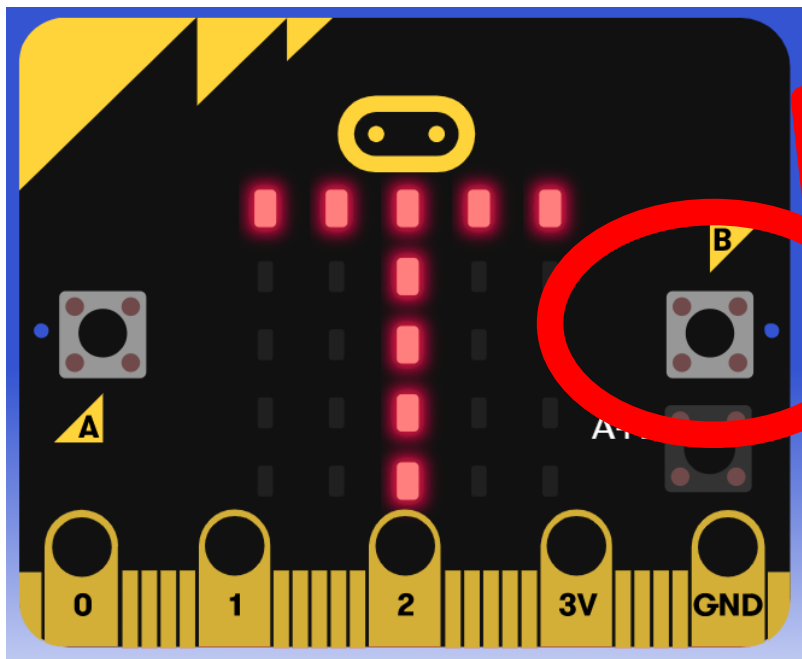


按

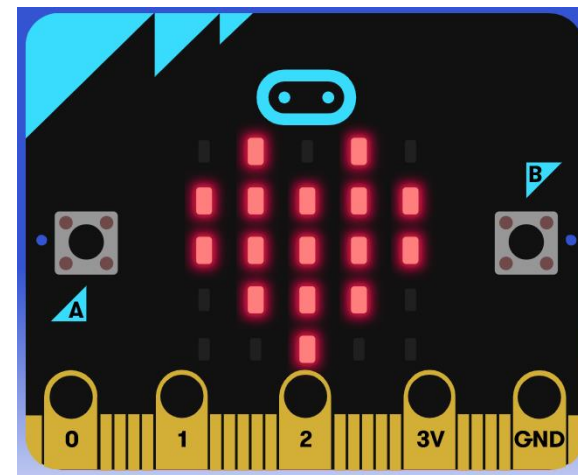


隨機顯示0-9其中一個數字

按

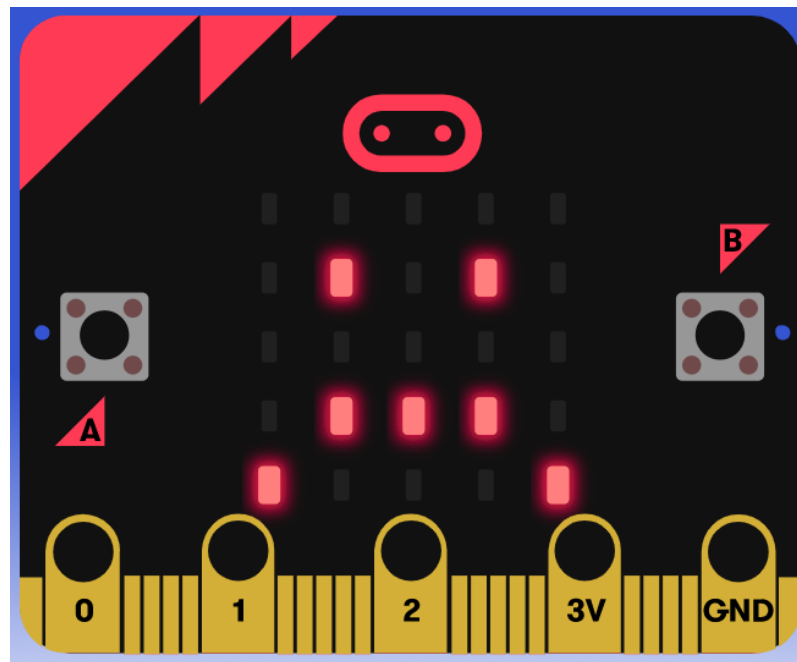
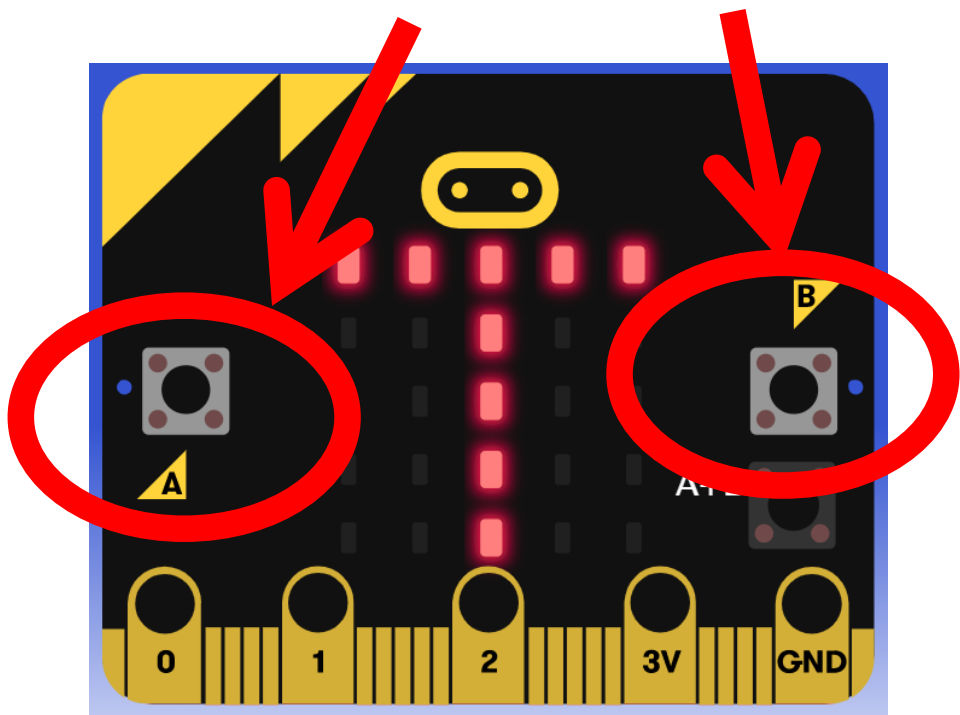


或



隨機顯示0-9其中一個數字或出現符號

同時按



顯示特殊符號



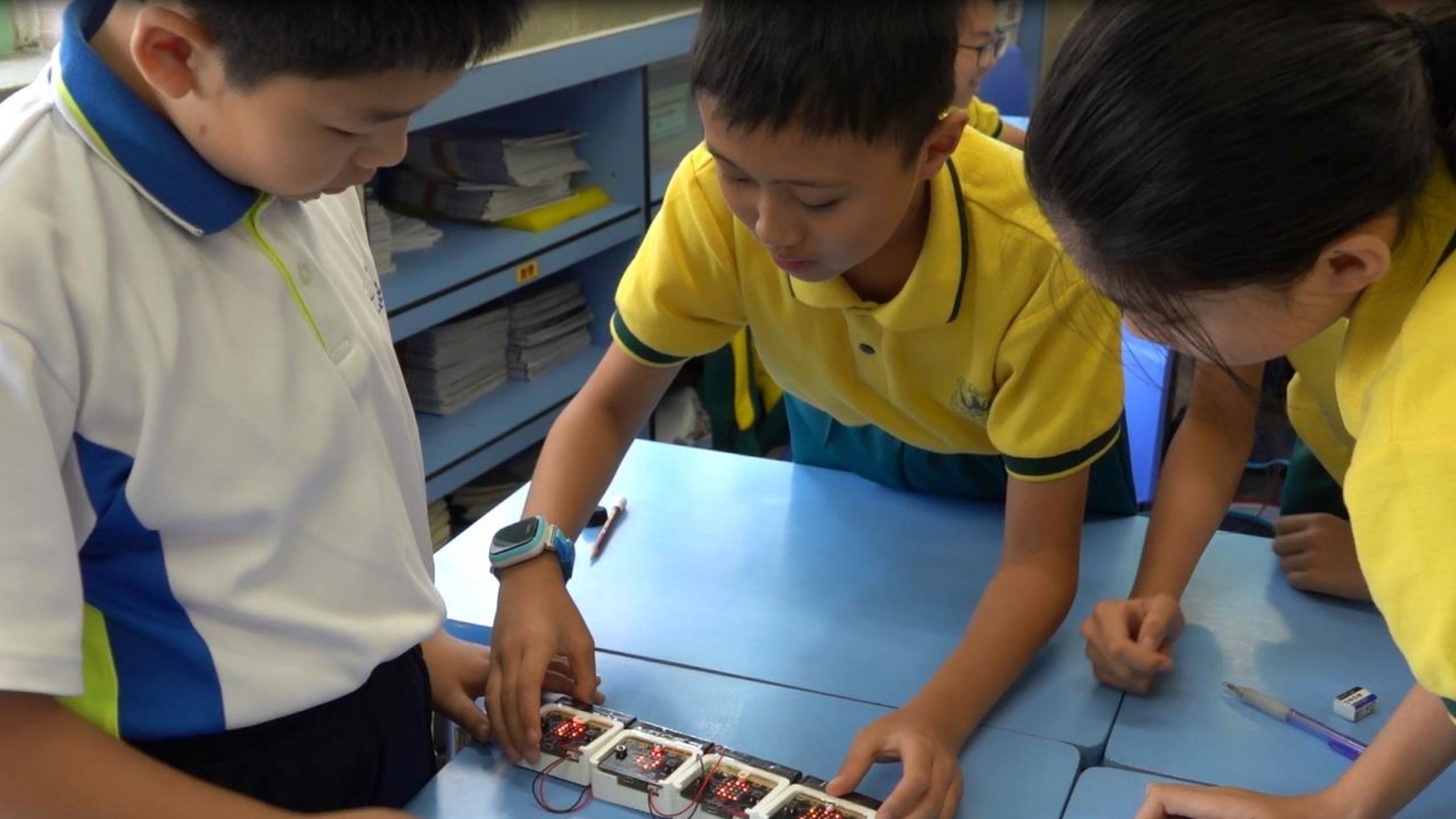






4 23/4 243 Command











F K L Y S







<https://www.youtube.com/watch?v=zKEbu89V5Uk&list=PLrLd181U4YdMTD-9Uhd47jF4T5KJymyW4&index=9>



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謝謝!