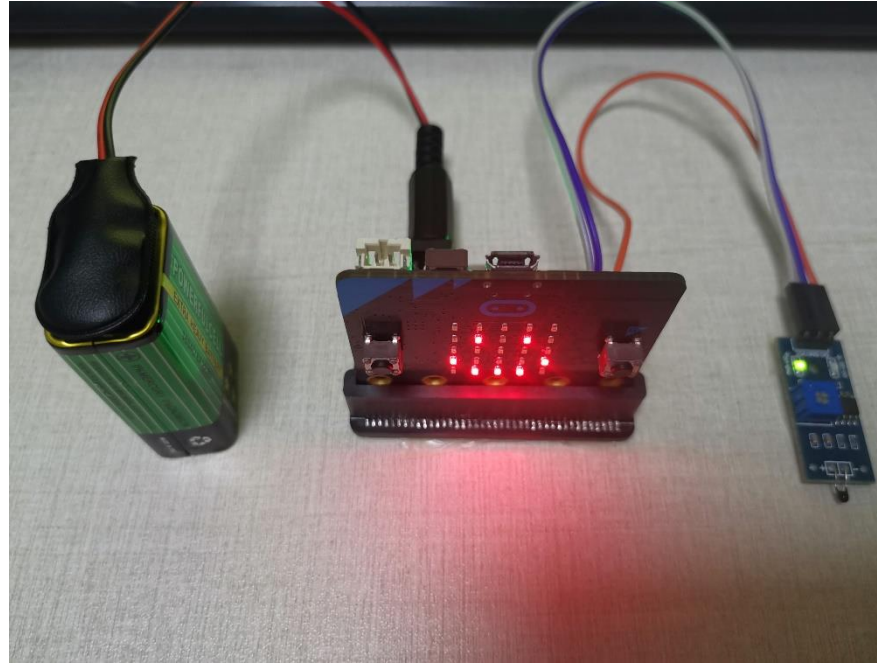


Microbit heat emojis

- 1、 Achieve the goal
- 2、 Preparation before class
- 3、 Wiring
- 4、 Block programming

Microbit heat emojis



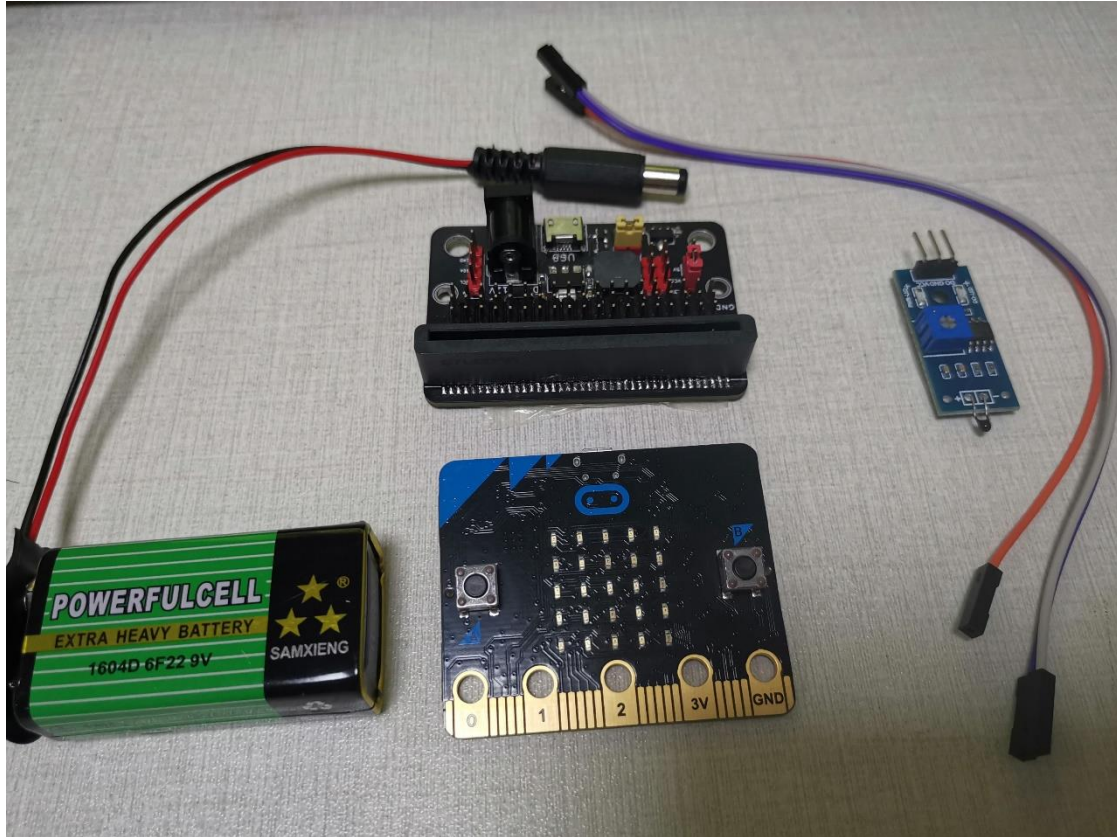
1、Achieve the goal

When the temperature is bigger than a certain value, the microbit screen will display the corresponding expression and give an alarm sound. The output standard of the thermal sensor can be adjusted by adjusting the knob of the thermal sensor module

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2、Preparation before class

Prepare microbit
mainboard, USB
cable, battery,
thermal sensor
module,
expansion board,
dupont cable。



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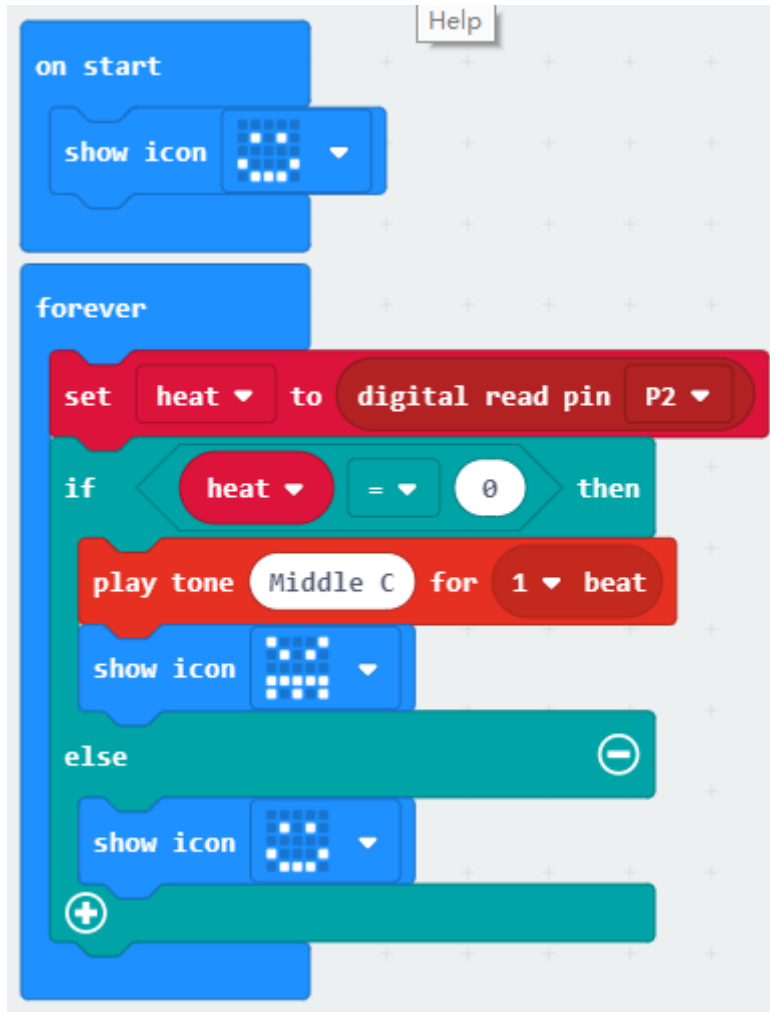
3、Wiring

The VCC of the thermal sensor is connected to the VCC of the expansion board, GND is connected to GND of the expansion board, and DO is connected to P2 of the expansion board. The sensitivity of the thermal sensor can be changed by adjusting the knob of the sensor module

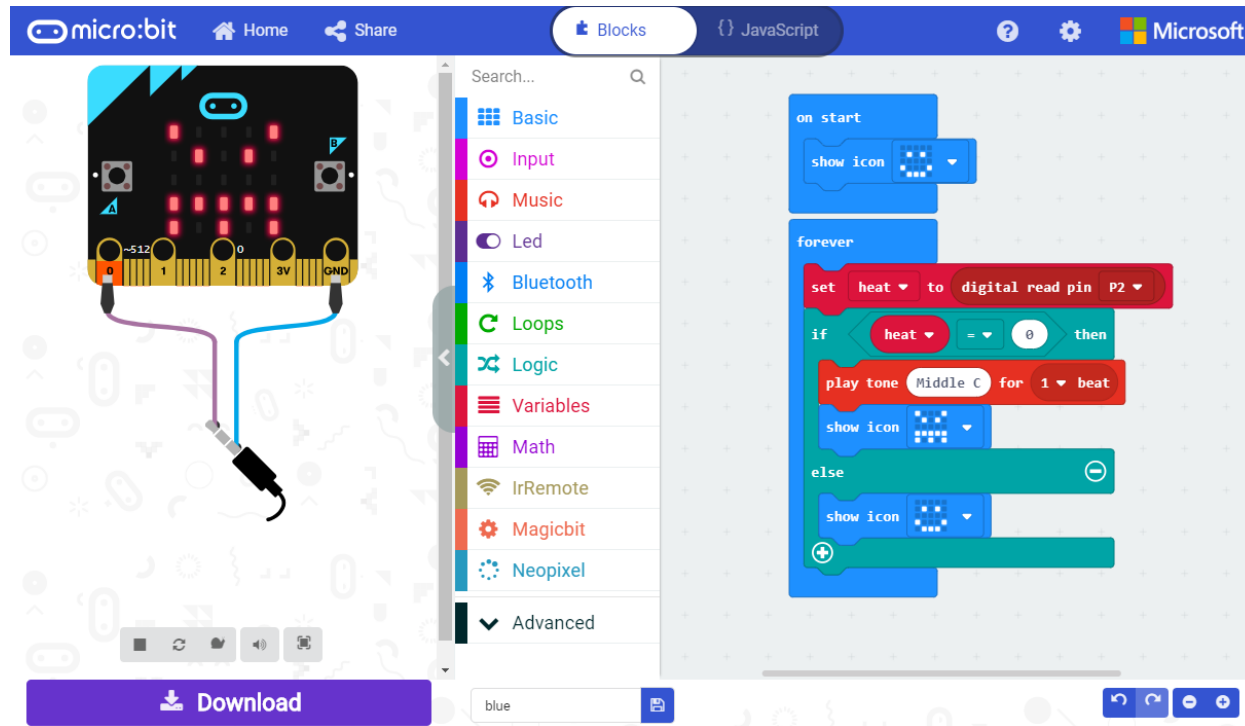
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4、Block programming

1. When it is turned on, the screen displays a smiley face and then enters an infinite loop
2. In the infinite loop, firstly read the P2 pin, assign the value to the variable, judge the value of the variable, determine whether to play music and display the corresponding expression



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5、Download experience

1. Click "download", download the program to the microbit, connect the circuit, and you can see the result of your programming