Flame emojis

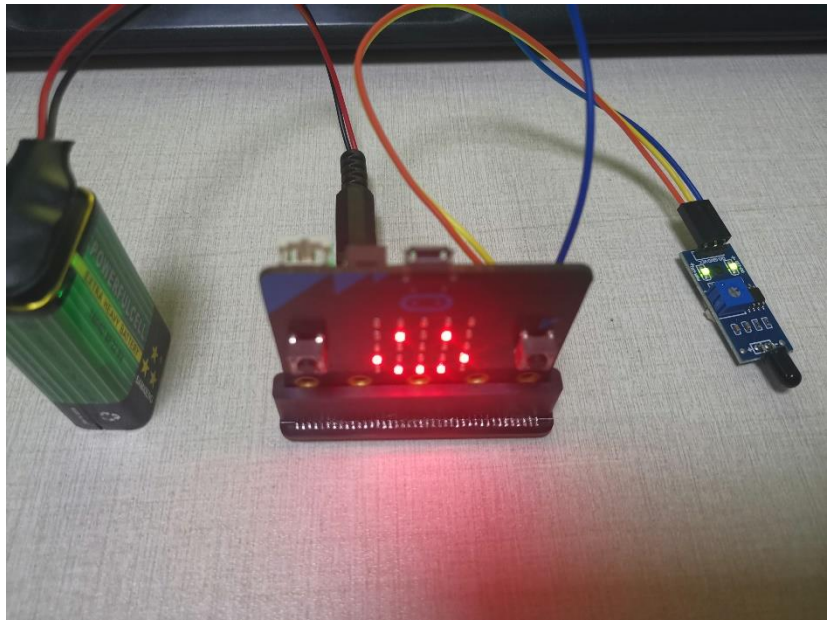
1、Achieve the goal

2、Preparation before class

3、Wiring

4、Block programming

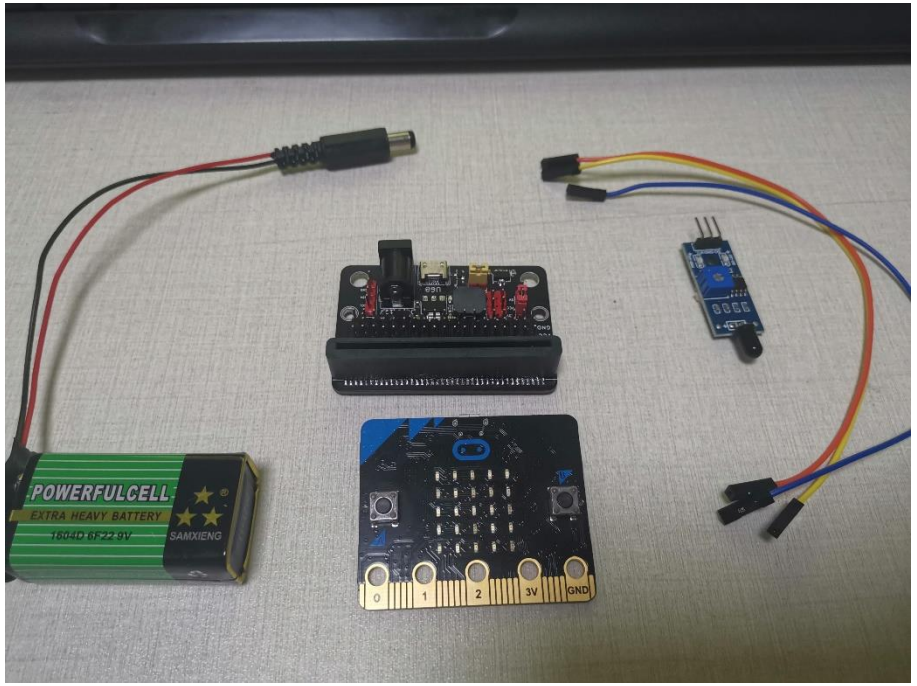
Flame emojis



1、Achieve the goal

When the flame sensor detects a flame, the screen displays a startle expression, and a buzzer alerts and, if there is no flame, a smiley face

Flame emojis



2、Preparation before class

Prepare microbit motherboard, USB cable, battery, flame sensor module, expansion board, dupont cable.

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3、Wiring

The flame sensor module VCC is connected to the extension plate VCC pin, GND to the extension plate GND pin, and DO to the extension plate P2

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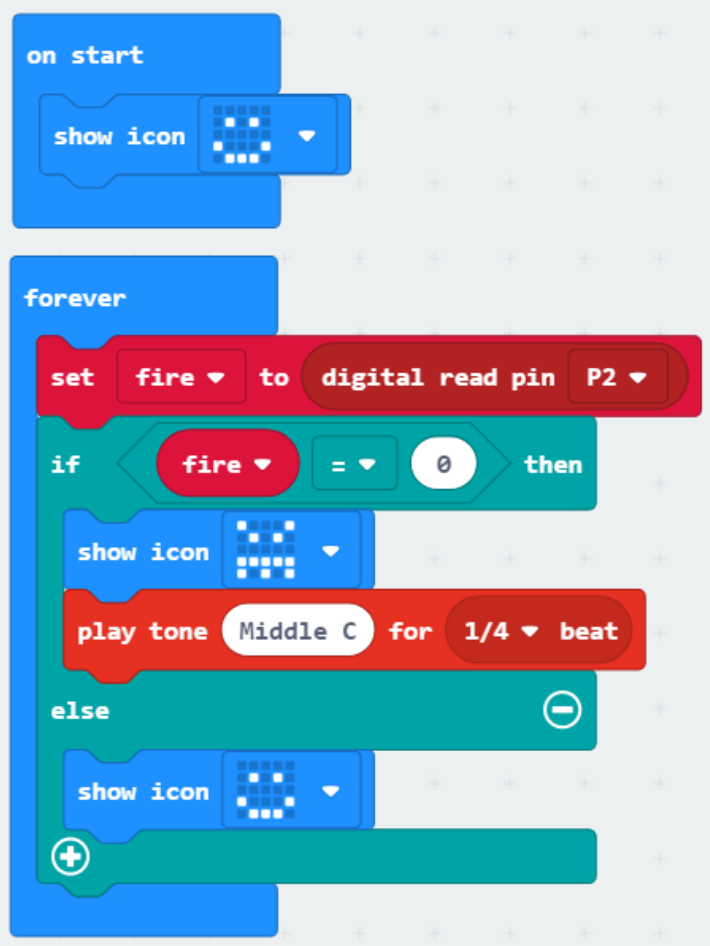
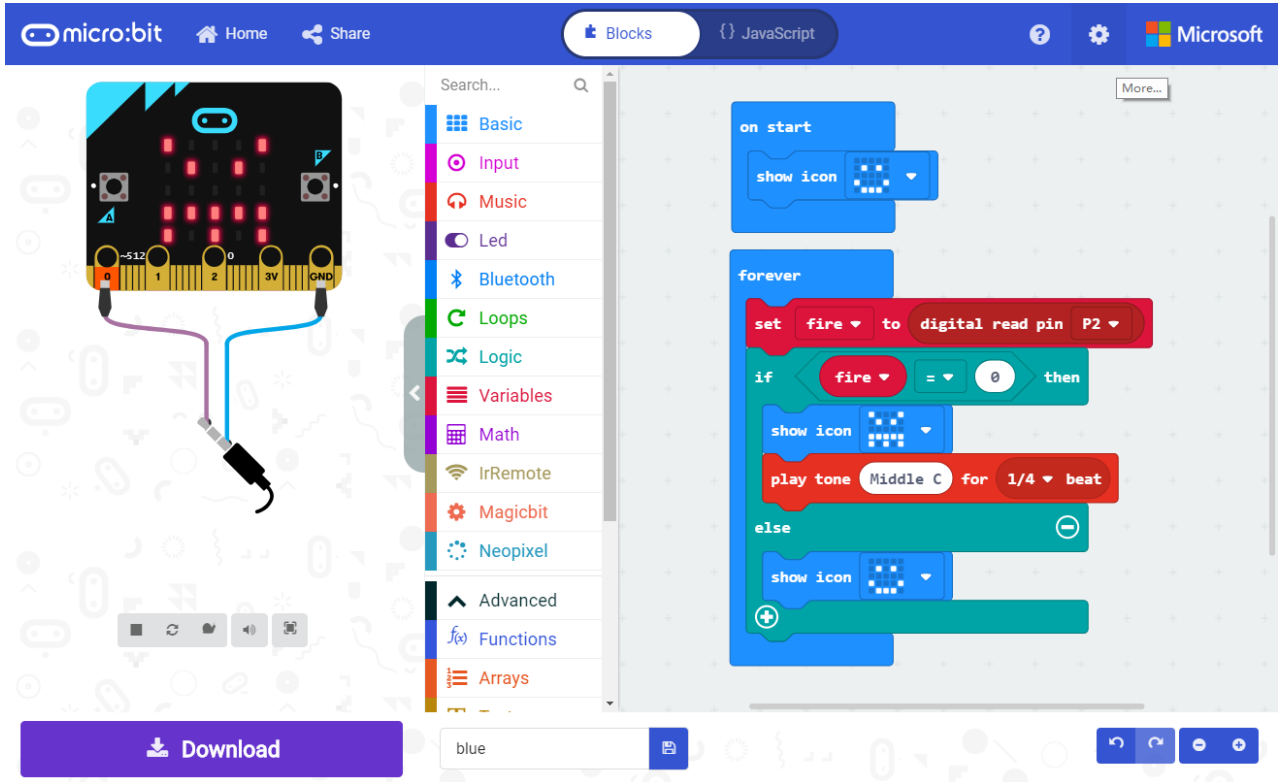


4、Block programming

1. When the it is turned on, the microbit screen displays a smiley face and then enters an infinite loop
2. In the infinite loop, assign the value of the read flame sensor connected to the P2 pin to the variable, and then judge the value of the variable

Flame emojis



5、Download experience

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