

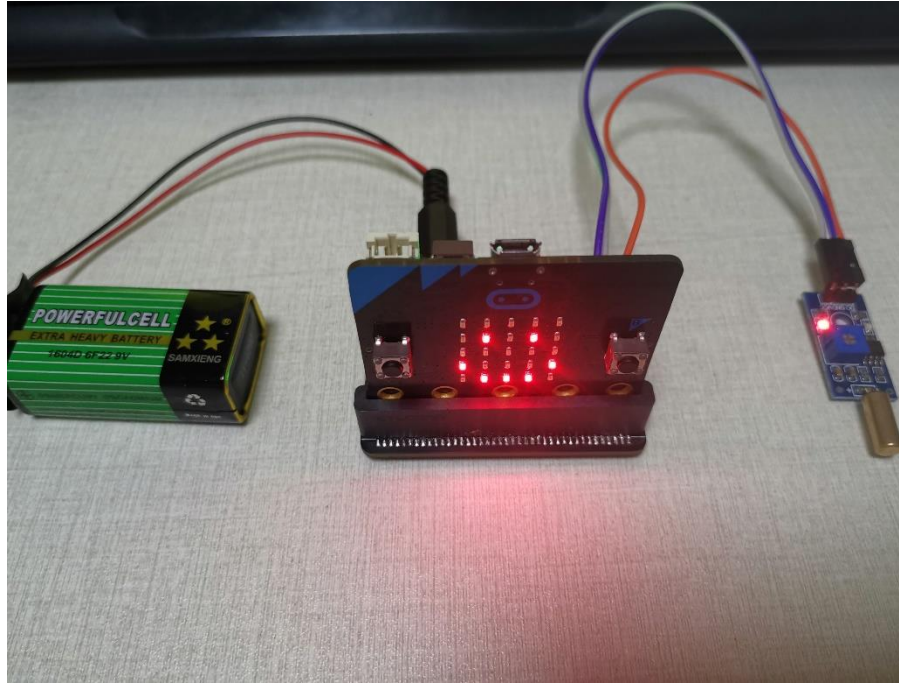
1、 Achieve the goal

2、 Preparation before class

3、 Wiring

4、 Block programming

# Vibration detection system

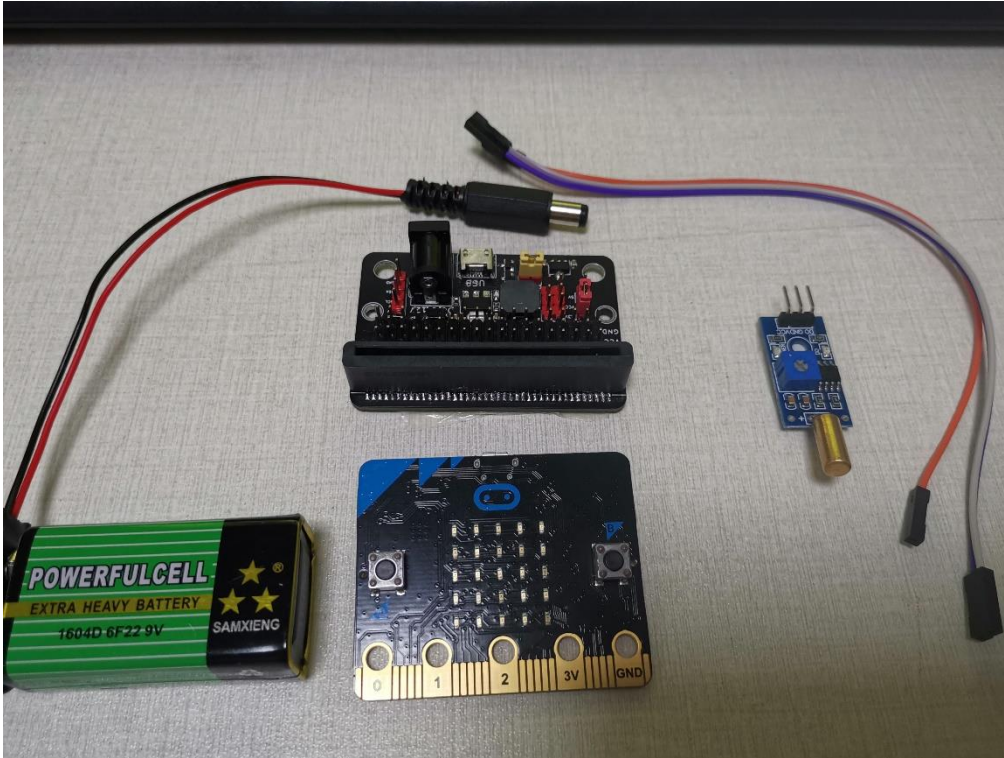


## 1、Achieve the goal

When the vibration sensor senses A vibration, the expansion board buzzer will send out an alarm sound. The alarm will not stop until the vibration sensor stops vibrating and the microbit motherboard button A is pressed

## 2、Preparation before class

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



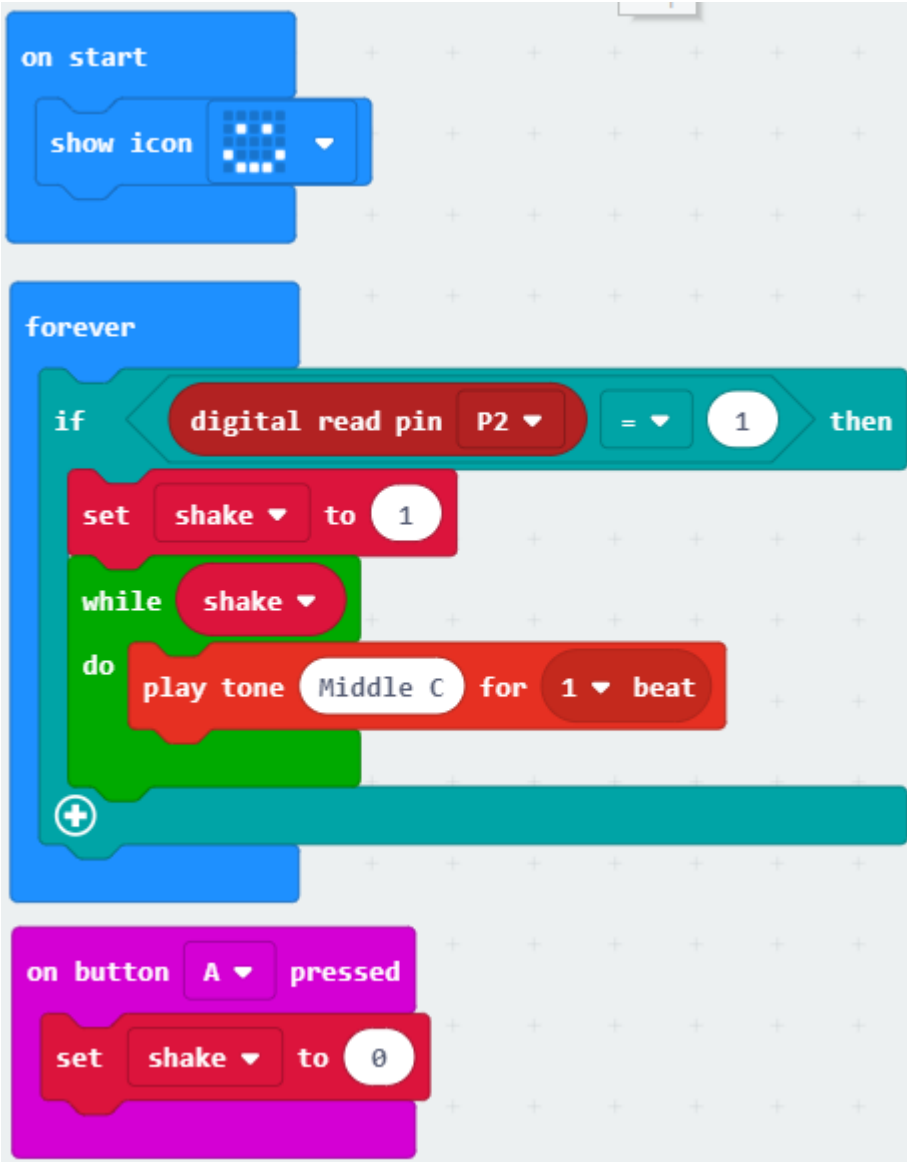


# Vibration detection system

## 3、Wiring

Vibration sensor VCC pin connected with extension plate VCC, GND pin connected with extension plate GND, DO pin connected with extension plate P2

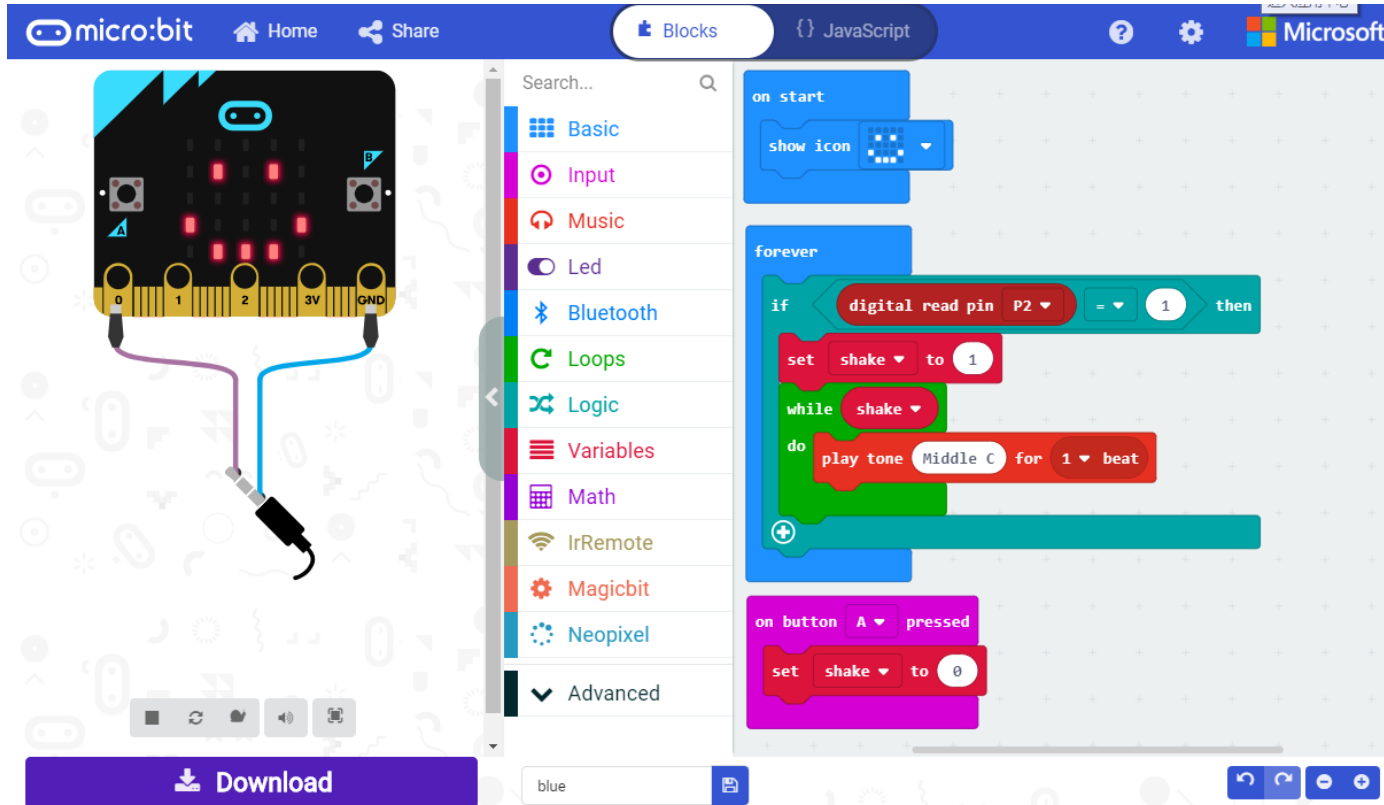
# Vibration detection system



## 4、Block programming

1. When the machine is turned on, the microbit screen displays a smiley face and then enters an infinite loop
2. In the infinite loop, the first block of the program is to judge whether the data read in pin P2 is 1. If so, set the variable to 1 and play the alarm sound in the loop

# Vibration detection system



## 5、Download experience

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