







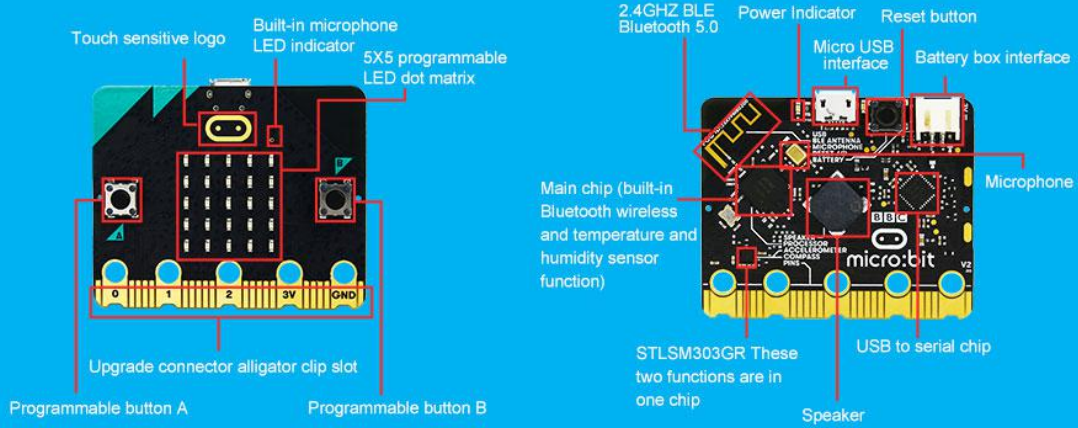
An illustration showing three hands holding three different Micro:bit V2 boards. The boards are shown from a top-down perspective, highlighting their colorful design and various components. The background is a purple gradient with faint white icons of a hand, a microphone, a speaker, and a connector edge.

Equipped with Micro:bit V2 board

					
Touchable LOGO	Built-in microphone	Built-in speaker	Upgraded connector edge	Built-in sleep and shutdown mode	CPU performance improvement

Micro:bit V2 Function Distribution

The Micro:bit V2 board leads to a 25-pin IO expansion port, which can easily be used for various programming-related teaching and development scenarios, such as writing video games, robot control, scientific experiments, and wearable device development, etc.



Starter kit based on Micro:bit

The kit contains dozens of electronic components, including a variety of sensors, which are rich in content and convenient for DIY expansion. The kit is rich in information and each experiment has an electronic document to explain, from principle to wiring to graphic programming.



Inside of the kits



Micro:bit takes children into the coding world.



2. Little Electronic Keyboard

3. Don't touch me

4. The beating of two hearts

5. Little speakers

6. Beautiful photos of small animals


7. Shake the dice

8. See how far away from me

9. Pick Fruit Game

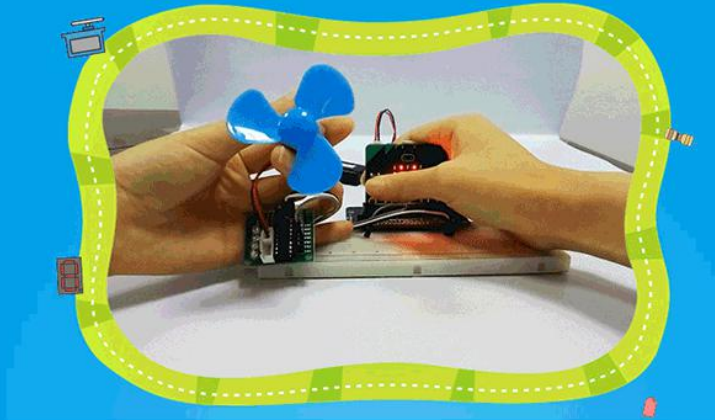
10. Target scoring

The Micro: bit learning kit is rich in information and detailed in explanation. There are total 23 lessons, from basic introductory learning to sensor application development, to manual DIY, teaching children step by step in-depth learning.



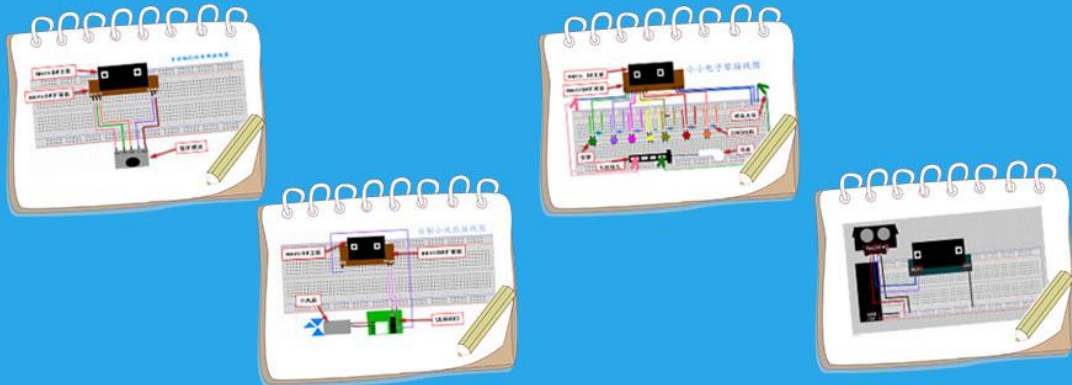
Creative Expansion Experiment

Micro:bit kit contains a variety of creative sensor experiments and manual expansion experiments



Simple wiring , easy operation
Exercise your child's ability by hand

Tips: Be careful when using scissors, crocodile clips and other tools during the Micro: bit kit experiments.



Comprehensive Electronic Components

The Micro: bit starter kit contains dozens of electronic components, including light-emitting modules, sound modules, ranging modules, power supply modules, etc., and it's enough for small makers to learn and experiment.



Micro: bit programming tool

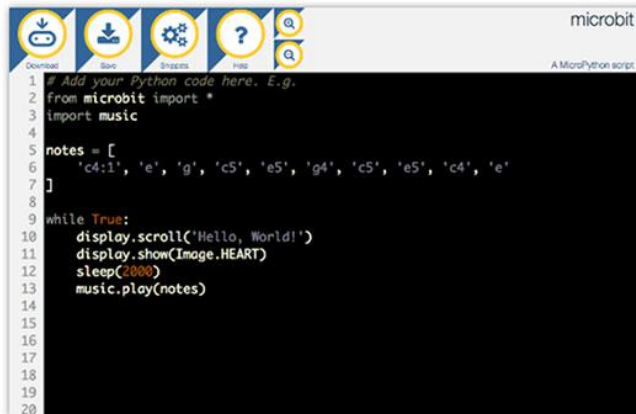
Power your imagination with coding

JavaScript blocks Editor (Pxt)



Micro: bit JavaScript Blocks Editor editor is based on WEB services, and make it easy to use the graphical editor and JavaScript for programming instead of downloading local programming tools.

Python Editor



```
1 # Add your Python code here. E.g.
2 from microbit import *
3 import music
4
5 notes = [
6     'c4:1', 'e', 'g', 'c5', 'e5', 'g4', 'c5', 'e5', 'c4', 'e'
7 ]
8
9 while True:
10     display.scroll('Hello, World!')
11     display.show(Image.HEART)
12     sleep(2000)
13     music.play(notes)
14
15
16
17
18
19
20
```

The Python editor is very suitable for those who want to continue to learn programming in depth, through a series of code snippets, various pre-made images and music to help you program.

Android and iOS App

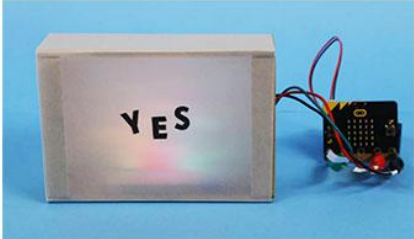
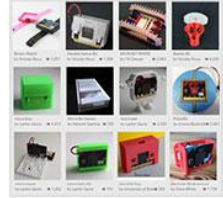


In the Micro: bit application, you can wirelessly transfer codes to the micro:bit board via Bluetooth.

More Scenarios based on Micro:bit

Micro: bit can be connected to various electronic components through alligator clips, reading sensor data, and controlling the steering gear and RGB light strips. It can be used in various programming-related teaching and development scenarios.

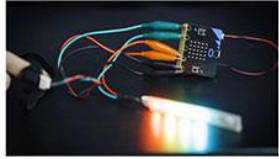
Micro: bit can also be used to write electronic games, sound and light interaction, robot control, scientific experiments, wearable device development, etc. [3D printing project]



[Lightbox production].




























[Robot Performance Control]



[Heart Rate Monitor]

Package list:

				
micro:bit expansion board * 1	Sound sensor * 1	5V power supply module * 1	Joystick * 1	Motor fan * 1
				
Colorful searchlight * 1	Vertical ultrasonic module * 1	Motor drive board * 1	Large keys * 8 (2 per color)	Touch switch * 1
				
Game console shell * 1 + screw * 3	Adjustable knob resistance * 1	Infrared emission tube * 1 Infrared receiver tube * 1	Micro USB cable * 2	Battery box * 1 + AAA battery * 2
				
Large breadboard * 1	Active buzzer * 1	LED lights * 6 (two each)	Servo installation package * 1	Alligator clip * 7
				
A bundle of bread line	Male to female DuPont line * 20	100Ω resistance * 5 220Ω resistance * 10 27KΩ resistance * 5	Manual	Exquisite packing box

Product Details



Tutorial:

[Yahboom Micro:bit starter kit](#)