micro:bit CODING CLUB

Hardware, operating system and browser requirements

🪟 **Windows 10 version 1709+**   **macOS 10.13+**   **ChromeOS**   **Linux**   **Android**
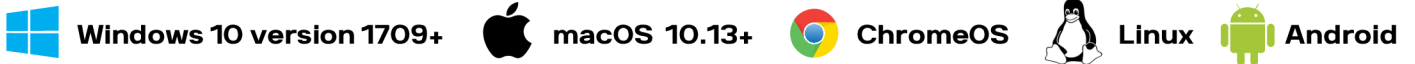
The micro:bit can be used with any computer running macOS, Windows, Linux or ChromeOS, and mobile devices running Android or iOS.

You only need a web browser on your computer. I recommend using 'Chrome' as it supports flashing code directly from the browser to your micro:bit via WebUSB. We will be using the MakeCode Editor https://makecode.microbit.org/ to program the micro:bit. This is browser-based, so you do not need to install any additional software for this project. *Alternatively, you can code your micro:bit via the micro:bit app on an iPad or tablet so long as it has bluetooth connectivity.

Getting Started

The first time you plug in your micro:bit, it will run a built-in demo program. You'll see a scrolling message on the LED screen, followed by some fun animations and sound effects. Try pressing button A, button B, or both together—the micro:bit will respond in different ways. It can even react to sound, touch, and movement! *To start coding your own projects, you'll need to use a laptop or desktop computer the first time you use the micro:bit.

How to connect your micro:bit:

1. Plug one end of the USB cable into your micro:bit and the other end into your computer.
2. The micro:bit will power on, and a drive called MICROBIT will appear on your computer.
3. Your computer might show a message asking you to approve or trust the device. Make sure you allow this so the micro:bit can connect properly.
4. Open your web browser and go to makecode.microbit.org.
5. Create a simple program - for example, show a smiley face or scroll some text.
6. Click the Download button in MakeCode.
7. The micro:bit will reset and start running your new program.

Once you've done this first setup, you can keep using a computer, or you can switch to coding on a tablet or iPad using Bluetooth via the micro:bit app.

For troubleshooting please check out https://support.microbit.org/support/home