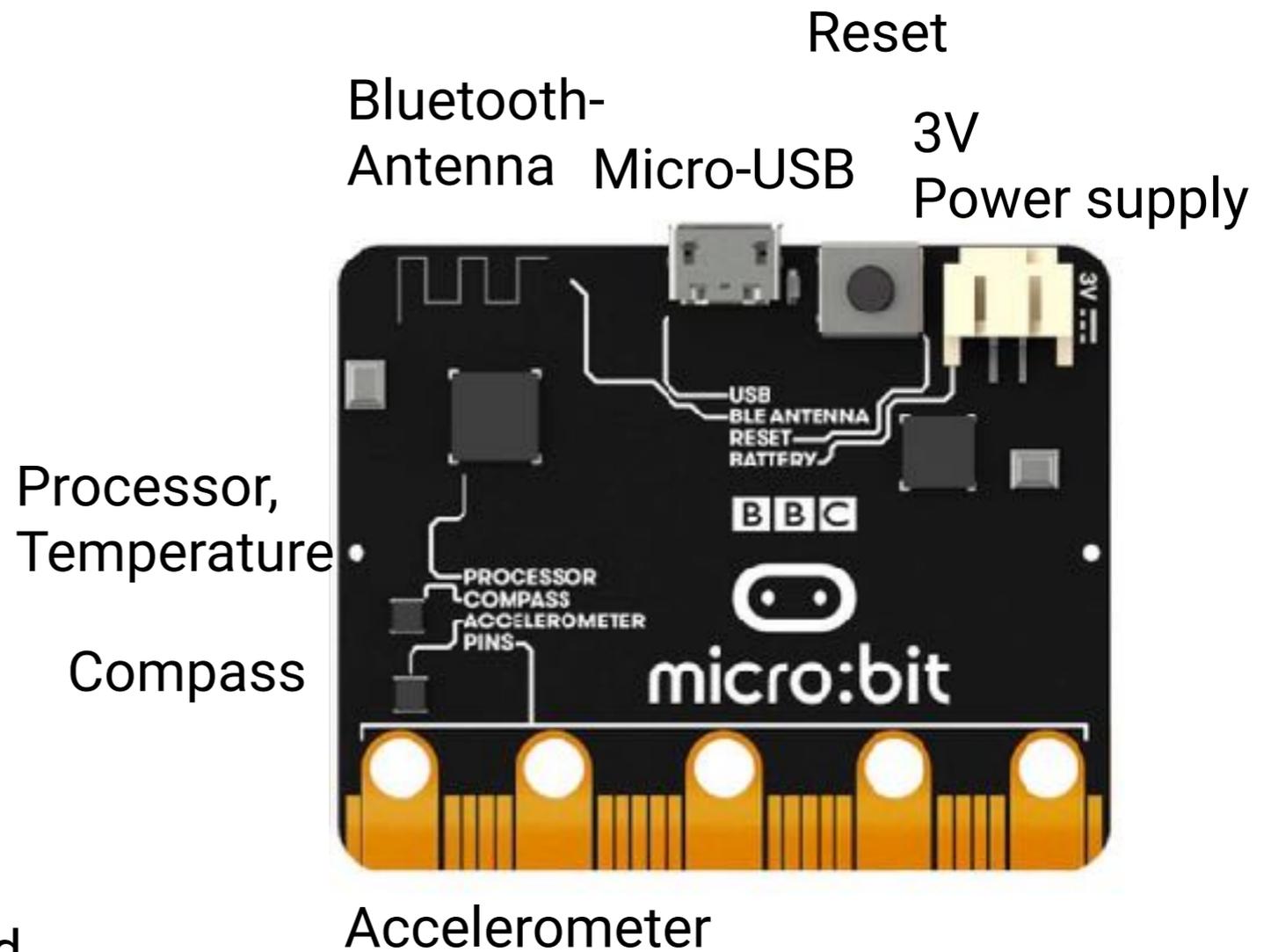
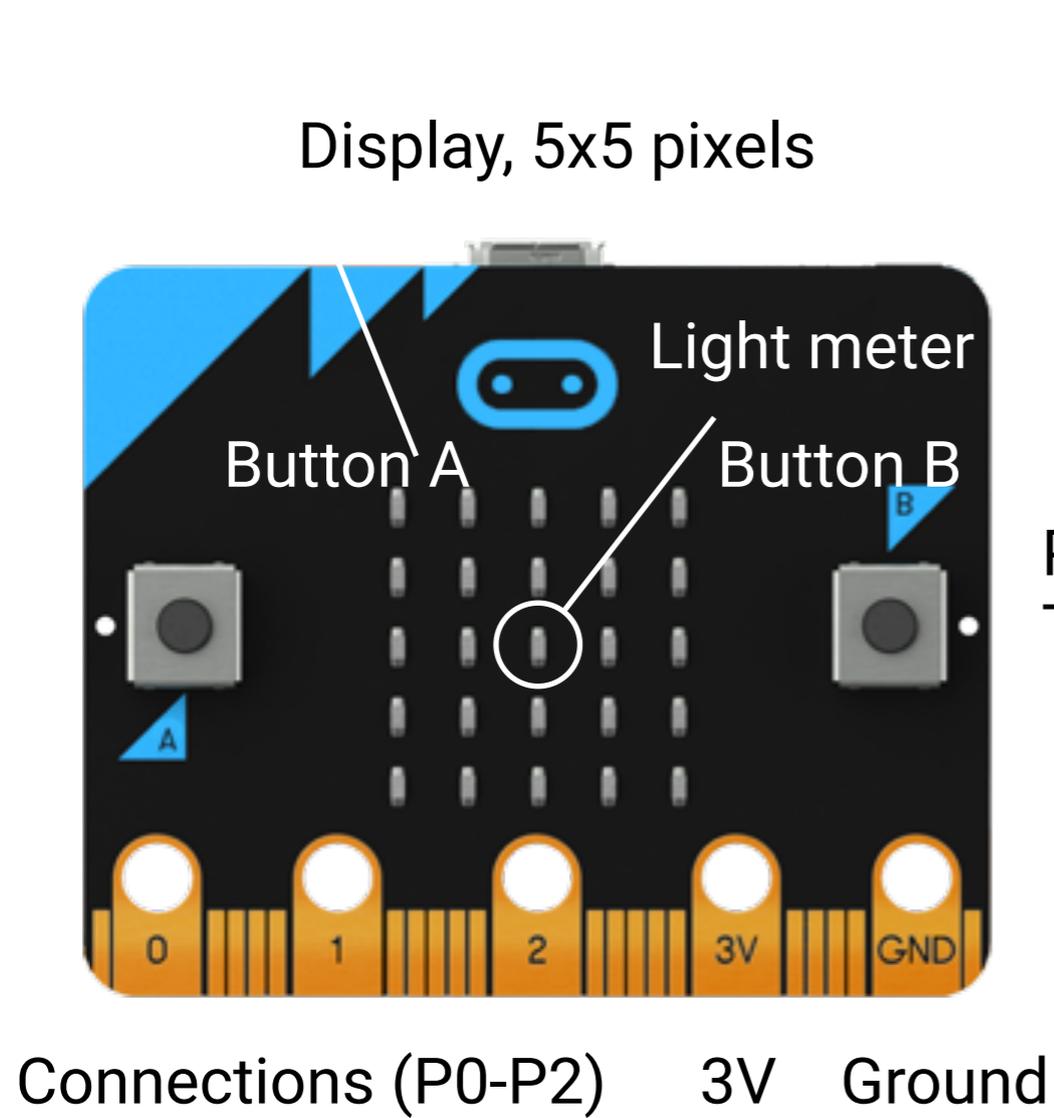




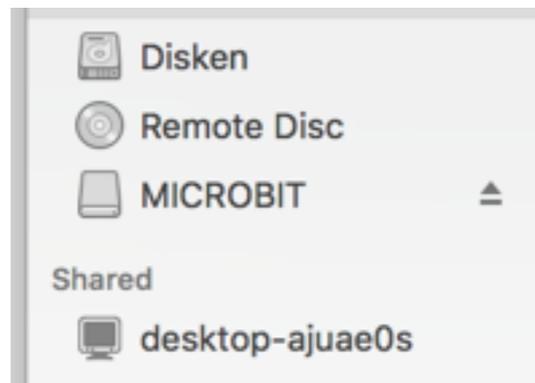
Get started with the Micro:bit

The Micro:bit



Connect

When you connect the micro:bit with the USB cable, a drive named MICROBIT should appear. Sometimes you have to disconnect from time to time before it appears.

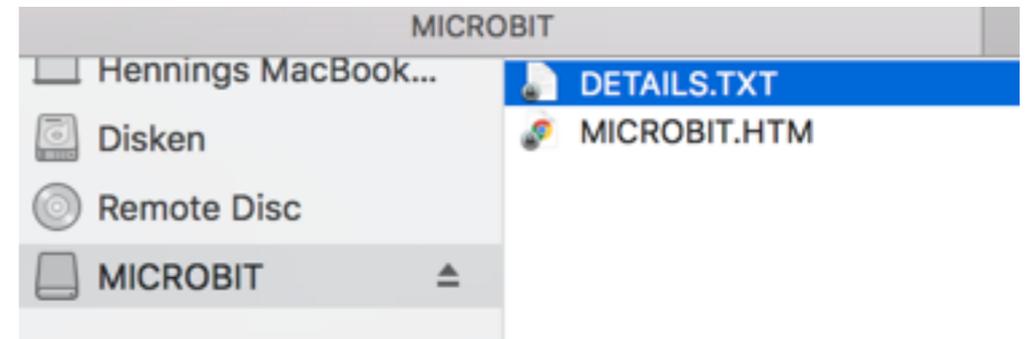


Firmware

For efficient code transfer and other features, you should have the latest firmware version. This is updated about once a year.

Check the DETAILS.TXT file located on the MICROBIT disk.

If the "interface version" is older than 0253, you should upgrade the firmware.

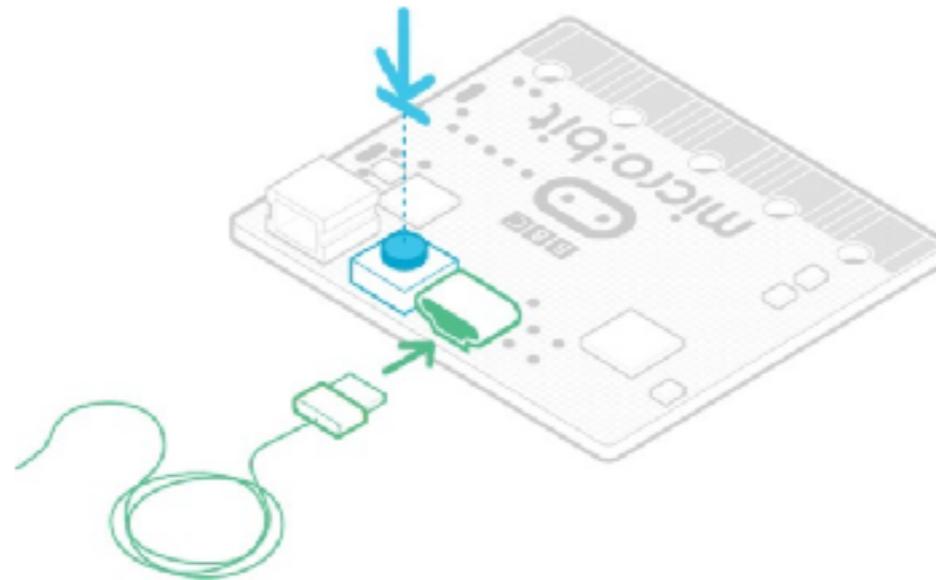


```
# DAPLink Firmware - see https://mbed.com/daplink
Unique ID: 9901000052284e450066300c000000570000000097969901
HIC ID: 97969901
Auto Reset: 1
Automation allowed: 0
Overflow detection: 0
Daplink Mode: Interface
Interface Version: 0253
Bootloader Version: 0243
Git SHA: 64359f5c786363065a41ec15c348e3d53568da03
Local Mods: 0
USB Interfaces: MSD, CDC, HID, WebUSB
Bootloader CRC: 0x32eb3cfd
Interface CRC: 0x53375800
Remount count: 0
URL: https://microbit.org/device/?id=9901&v=0253
```

Upgrading is easy: Hold reset while connecting the micro:bit to the PC
And you will get up a station called MAINTENANCE.

For this, copy the latest version of firmware. You can find this file at
<https://microbit.org/guide/firmware/>

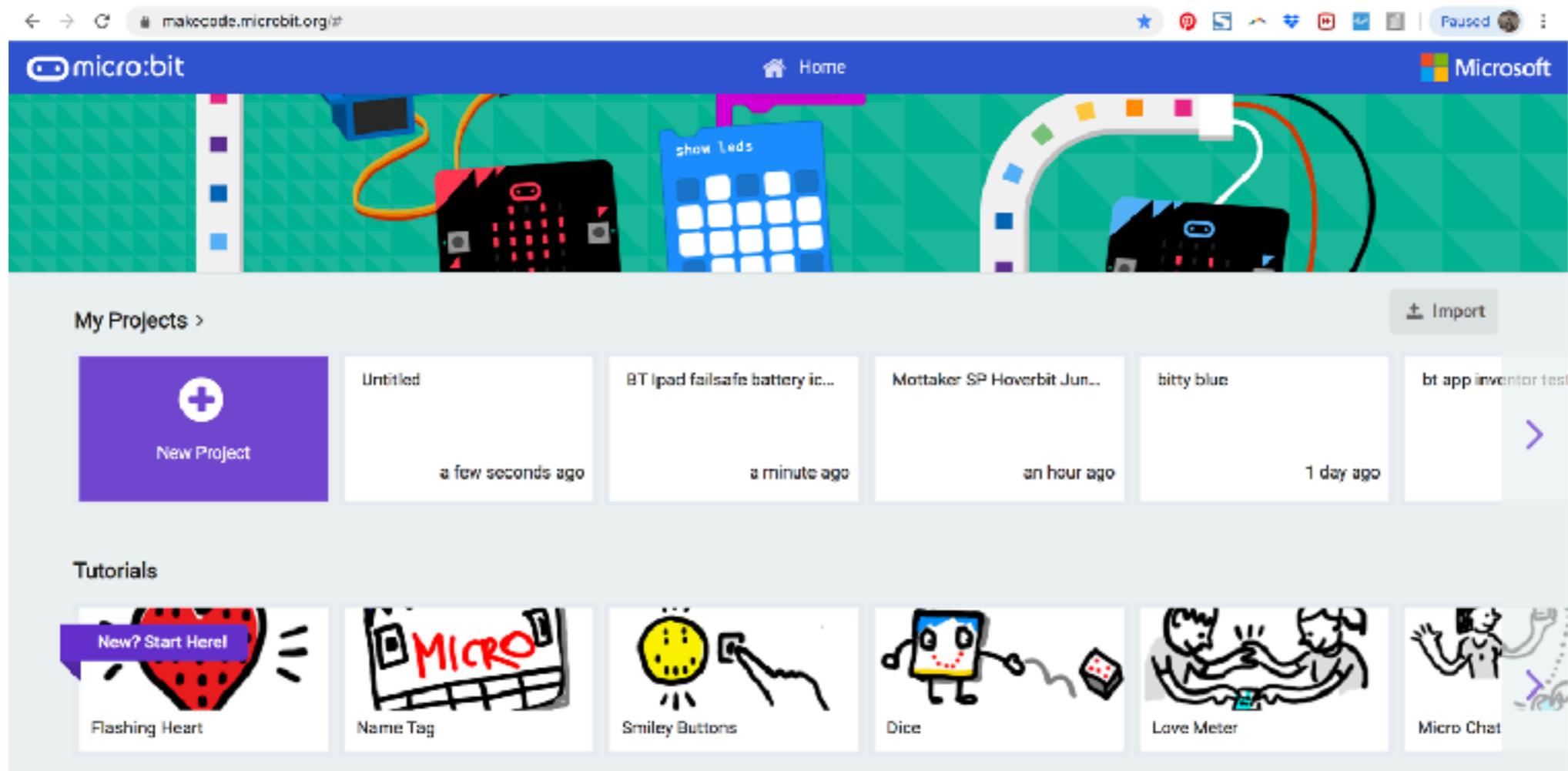
For example 0253_kl26z_microbit_0x8000





The coding tool can be found at
makecode.microbit.org

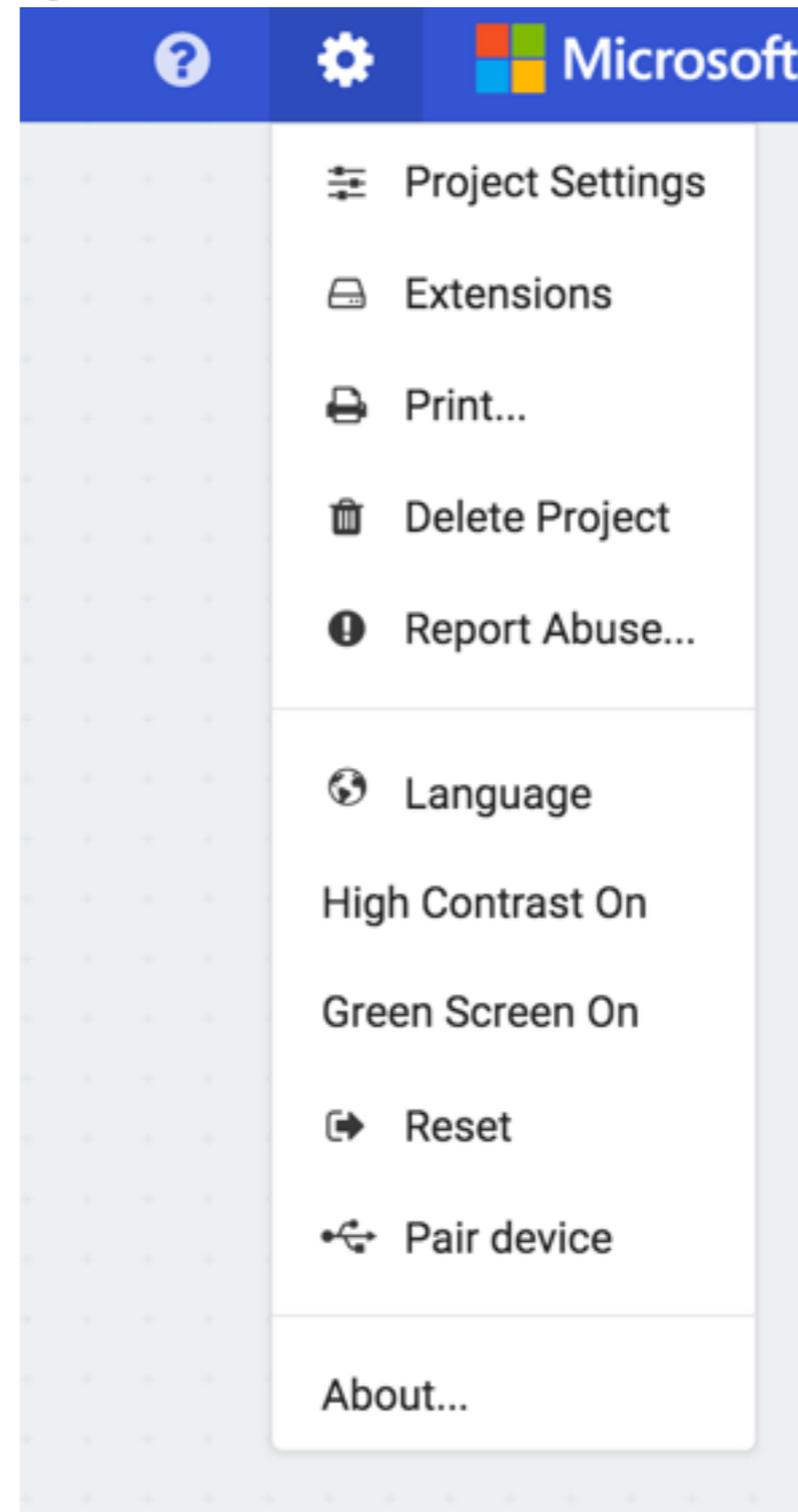
You need to use Chrome as your browser for full functionality



You start a new project by pressing "New project".
Below you will find many good interactive tasks you can try.
The simplest can be found on the far left.

Configuration of language

In this guide, we use English as a code language. Click on the gear, select "Language" or "Language" to change the language.



Coding

Explore code files

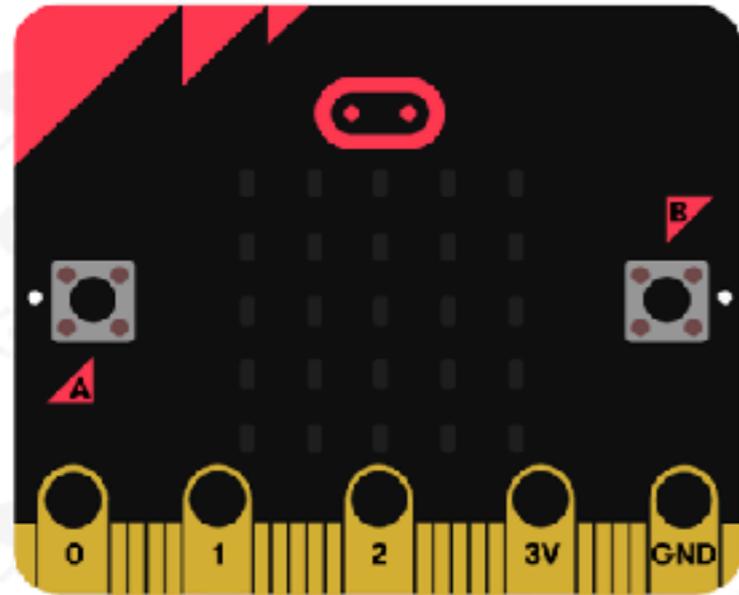
microbit.org

Share the code

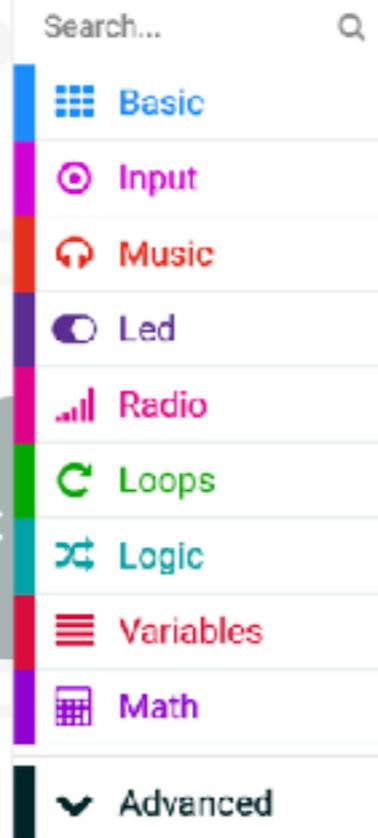
Blocks

Javascript

Settings



Simulator:
Test the code



On start:
Runs when micro:bit starts. Not repeated

Forever:
Repeats 50 times per second

Download

Download to micro:bit
(The file can not be used later)

Hennings projekt

Name your project

Local save on the computer (backup)

Back Zoom

Get ready to upload your code

Once you have created a code, it is time to upload it to micro: bit. There are three ways to upload your file from Chrome:

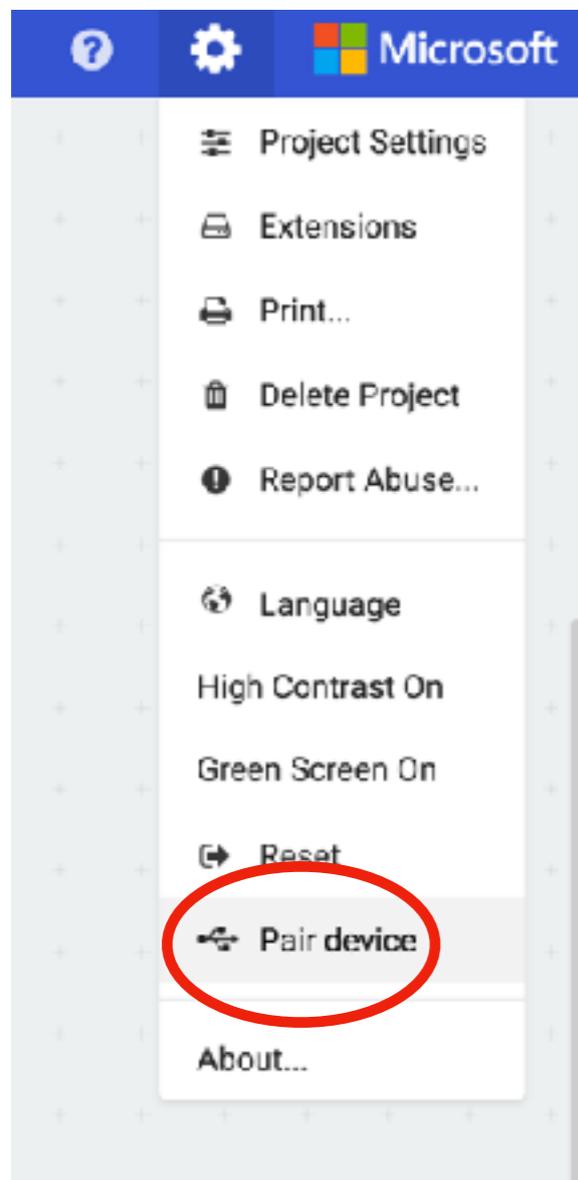
1. Direct transfer with pair device (fastest)
2. Download file directly from Chrome.
3. Download to PC and transfer manually

We recommend that you use method 1 or 2 as described on the following pages.

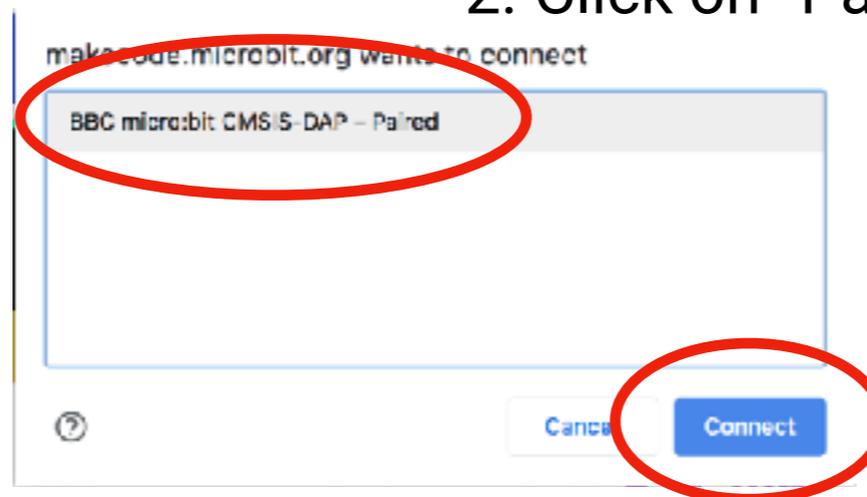
Connect micro:bit for fast transfer

Get the fastest transfer by pairing micro:bit with Chrome:

1. Press the gear and “Pair device”



2. Click on “Pair device” again



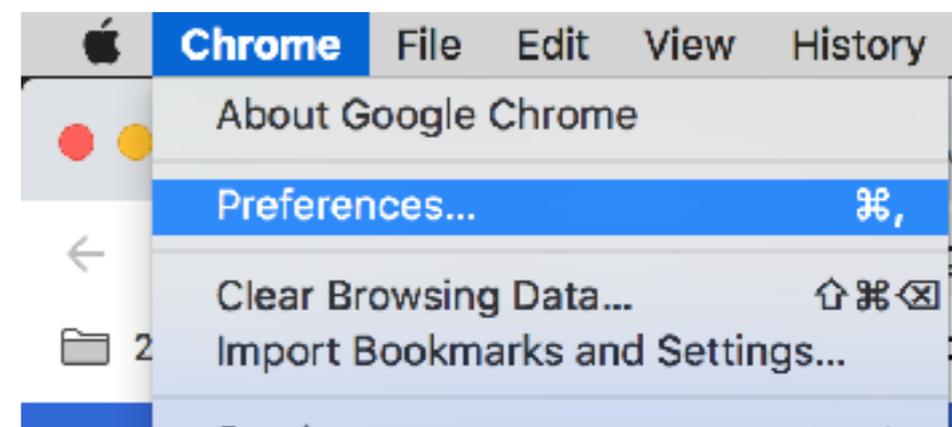
3. Select the device “BBC Microbit CMSIS...” and press “Connect”
Check for confirmation “Device paired!...”

Device paired! Try downloading now.

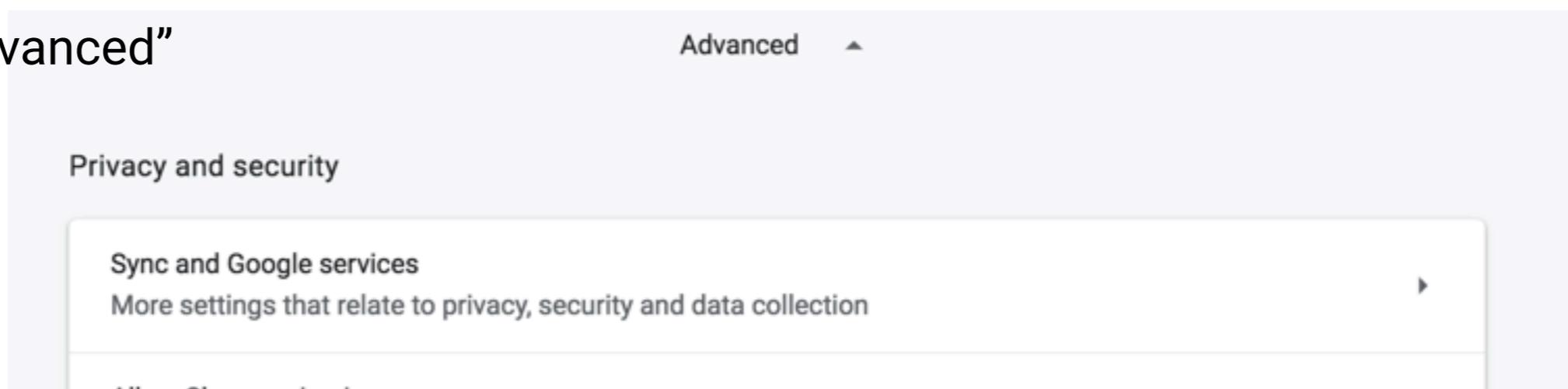
Set browser to download directly to micro: bit

If you have problems with the pairing, you can set your browser to download directly to micro:bit

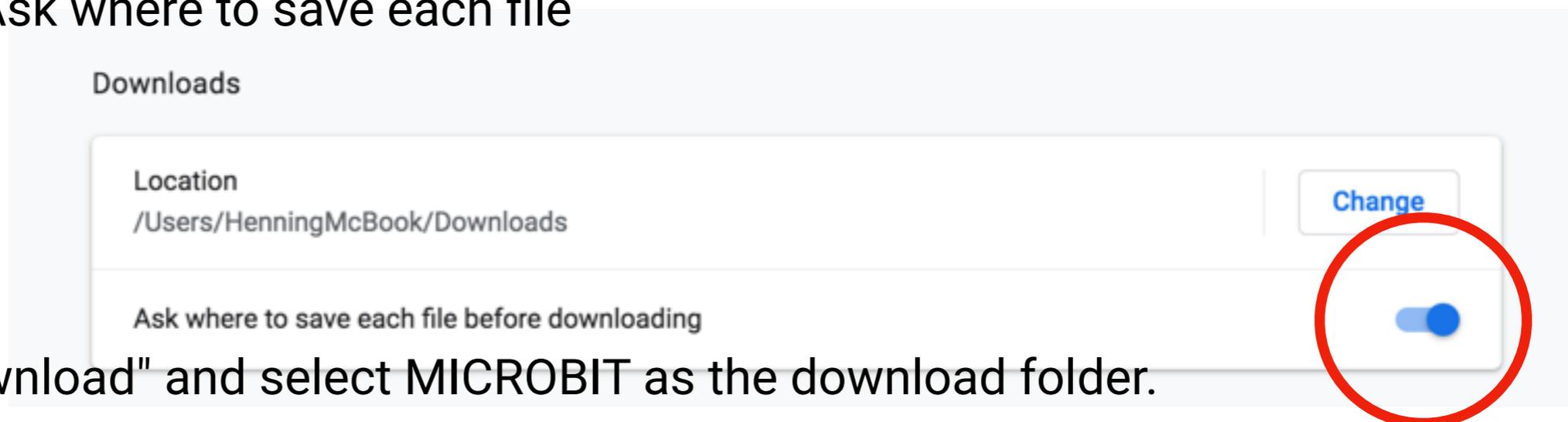
1. Choose “preferences”



2. Click on “Advanced”



3. Activate “Ask where to save each file”



4. Press "download" and select MICROBIT as the download folder.



Do an interactive task

Select a tutorial from the home page. If you are in the code editor, click on "microbit" at the top left. We recommend **"Flashing heart"** and **"Rock, Paper, Scissors"**

The screenshot shows the micro:bit website interface. At the top, there is a navigation bar with the "micro:bit" logo, a "Home" button, and the Microsoft logo. Below the navigation bar is a large banner image featuring a micro:bit board connected to a keyboard and a USB cable. The main content area is divided into three sections: "My Projects", "Tutorials", and "Games".

My Projects section includes an "Import" button and a grid of project cards:

- New Project** (purple button with a plus sign)
- Untitled** (created a few seconds ago)
- BT Ipad failsafe battery ic...** (created a minute ago)
- Mottaker SP Hoverbit Jun...** (created an hour ago)
- bitty blue** (created 1 day ago)
- bt app inventor test** (with a right arrow)

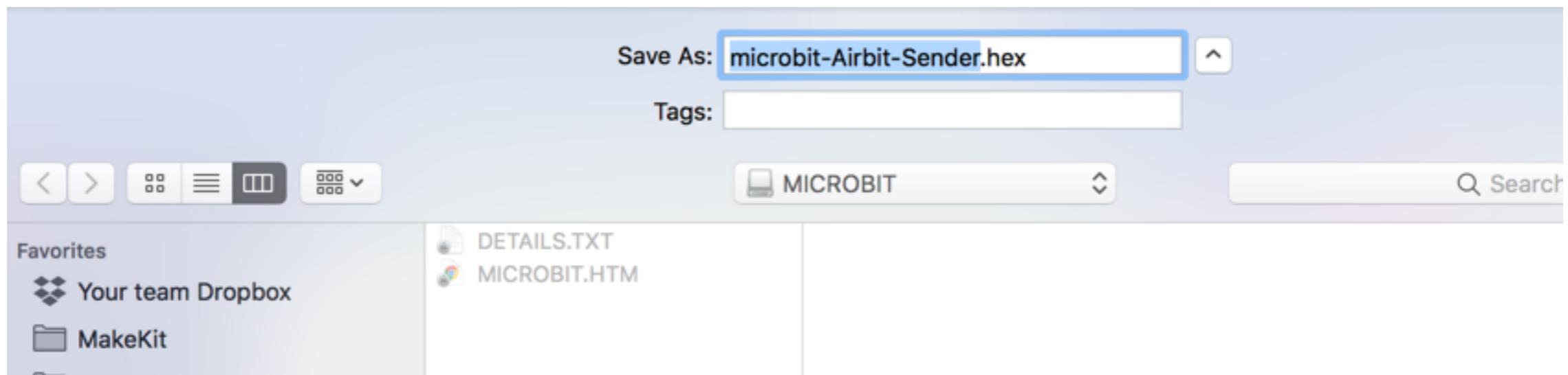
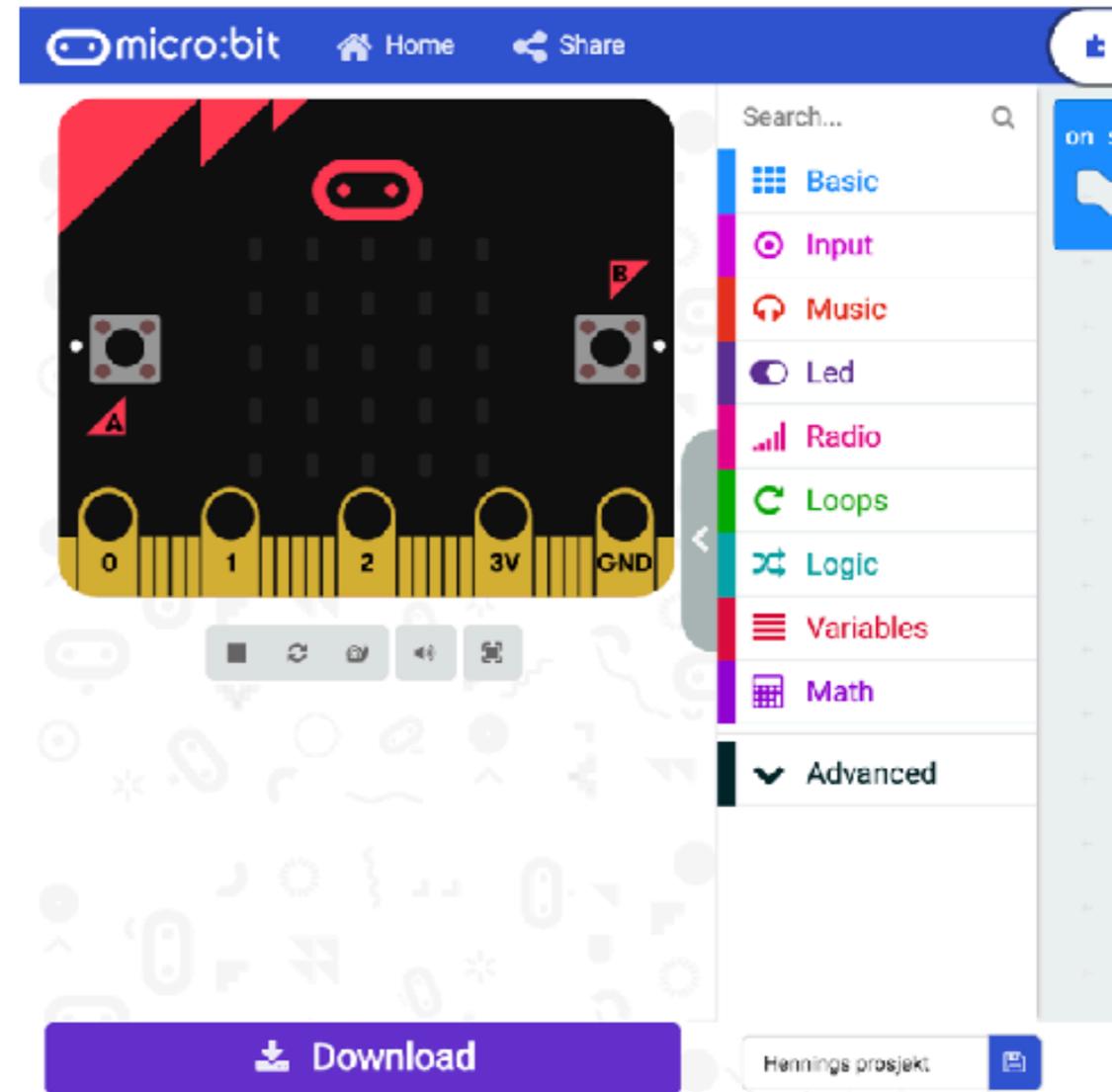
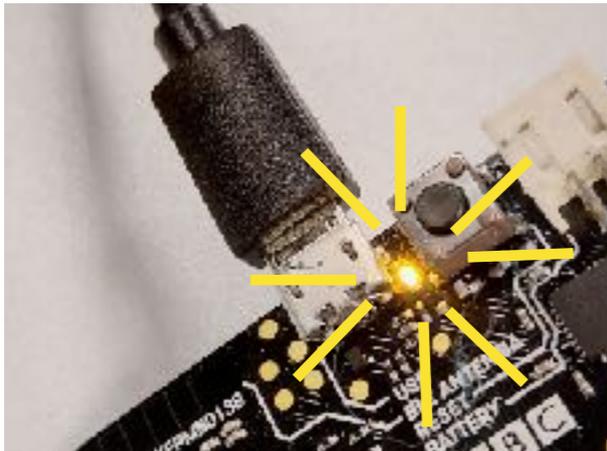
Tutorials section includes a "New? Start Here" button and a row of tutorial cards:

- Flashing Heart** (with a strawberry icon)
- Name Tag** (with a keyboard icon)
- Smiley Buttons** (with a smiley face icon)
- Dice** (with a dice icon)
- Love Meter** (with a heart icon)
- Micro Chat** (with a chat bubble icon)

Games section includes a card for **Rock Paper Scissors**, which features an illustration of hands in a rock-paper-scissors gesture and a micro:bit board.

How to download

Click "Download" and follow the yellow light on the back of the micro:bit. It should flash while the code is being transferred. If you have not paired the device, you may need to select MICROBIT as the download folder and click OK

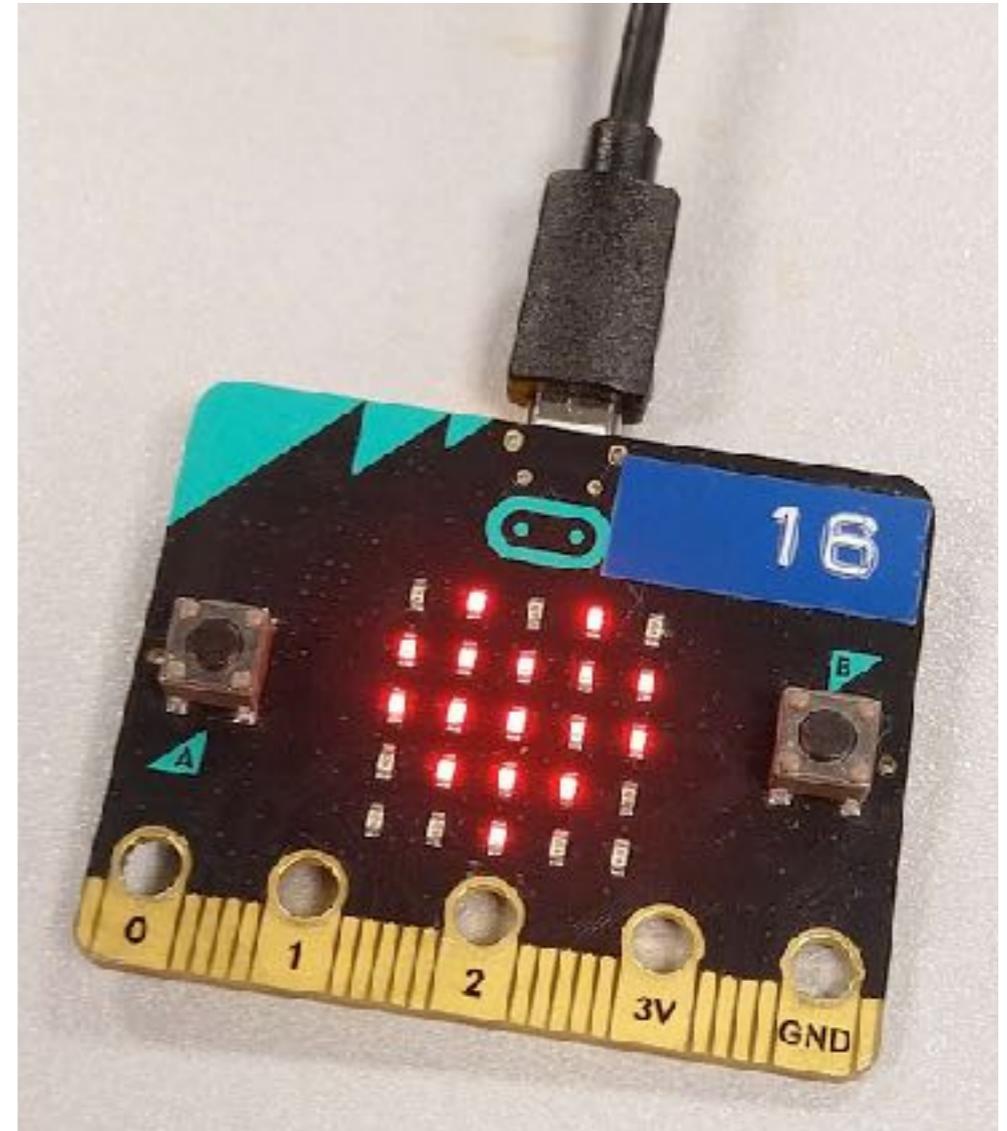


Test the code

Test if your code works on the micro:bit.

Remember that the light on the back of the micro: bit should always flash while you are transmitting the code.

If not, you still have old code on your device.



Contact:

