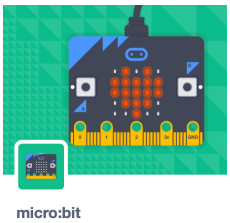
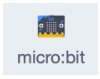
Mood Button

Register/login at https://scratch.mit.edu

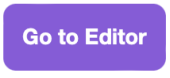
Display emoji on the micro:bit using the buttons.

1) Create a new Scratch project and add the **micro:bit** extension. The “Add Extension” button is at the bottom-left.



2) Plug the micro:bit into the PC with the USB cable.
3) Click on the new 

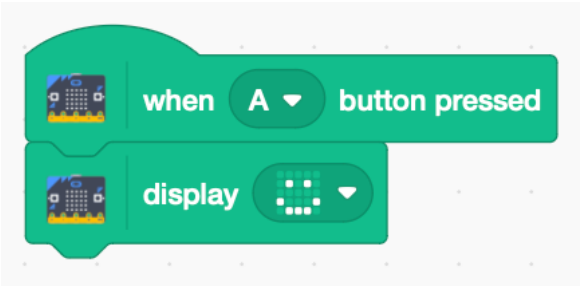
blocks section. If you see  at the top you need to connect the micro:bit.
4) Click on  to **Connect** the micro:bit. If more than one device is shown look for the name matching the one on the micro:bit display (“tapav” in this example).

5) Once it connects, click 

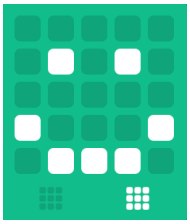
to get back, and you should now see a  at the top.

The micro:bit has two buttons, A & B. Display a happy face if you press button A, and a sad face for button B.

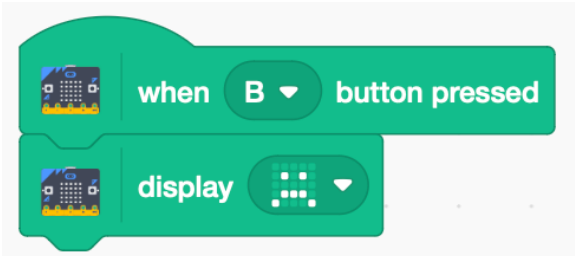
6) Add the following code. Click on the drop-down menu to choose the button.



7) Click on the drop-down in the display block to open the graphic editor. Draw a smiley face.



8) The code is automatically downloaded to the micro:bit. Try pressing **button A**.
9) Duplicate the code. Change the copy to use button B, and edit the graphic to show a sad face.



***Save** your code with a good name.*
File > Save now

Preparation

1) You need the micro:bit and a USB to USB-micro cable.
*2) Install **Scratch Link** so Scratch can talk to the micro:bit.*
https://scratch.mit.edu/microbit
3) If Scratch Link is not already running (eg. after a reboot) search for and run the app. It appears on the menu bar.
4) Connect the micro:bit to the PC, with the USB cable. The micro:bit appears as a new drive (typically D: on a PC, or MICROBIT on a mac).
*5) Download **micro:bit HEX** from the address above, and drag it to the micro:bit drive.*