

Year 4 - BBC Microbit Introduction

Introduction:

This lesson is designed to introduce you to the BBC Micro:bit. The micro:bit is a tiny computer that you can program using an online code editor.

Start by watching the following video clip:

<https://youtu.be/Wuza5WXiMkc>

Because we are all working from home at the current time, unfortunately you will not have a Micro:bit to program yourself, however, when you use the online coder, there is an emulator that will show what will happen when you copy the program you have written to the Micro:bit. Hopefully when we are all back in school you will be able to actually write a program and copy it to a Micro:bit so that you can see it working properly.

Task 1:

Watch the following video which will show you how to use the online code editor:

https://youtu.be/C4eQQ_ONGHc

Go to the following website:

<https://makecode.microbit.org/>

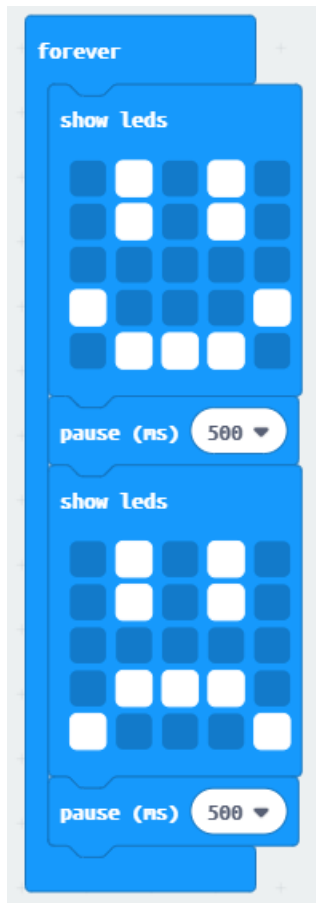
Click on NEW PROJECT

The video is a tutorial that should show you how to use the online code editor

You should now be at the coding screen which has a similar interface to Scratch.

Task 2:

Try to build the following code:



Did the code work?

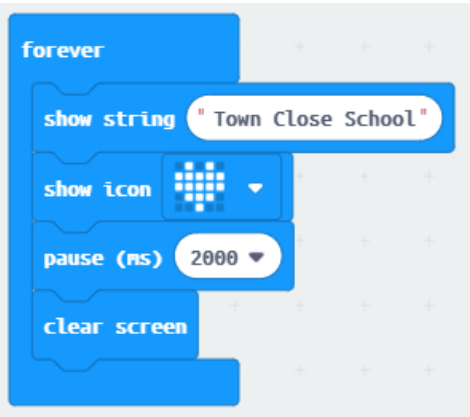
Can you make the smiley faces flash more quickly?

Can you change the face?

Can you add a third face?

Task 3:

Try to build the following code:



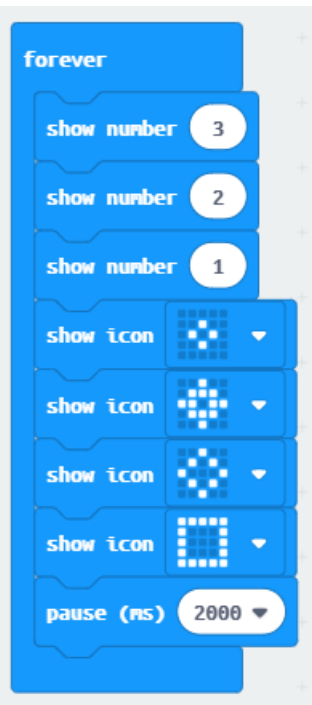
Did the code work?

Can you change the text from Town Close School to your name?

Can you change the heart to a smiley face?

Task 4:

Try to build the following code:



Did the code work?

Can you change the code so that the countdown begins at 5?

If you finish all 4 tasks, spend some time trying to create your own code.