

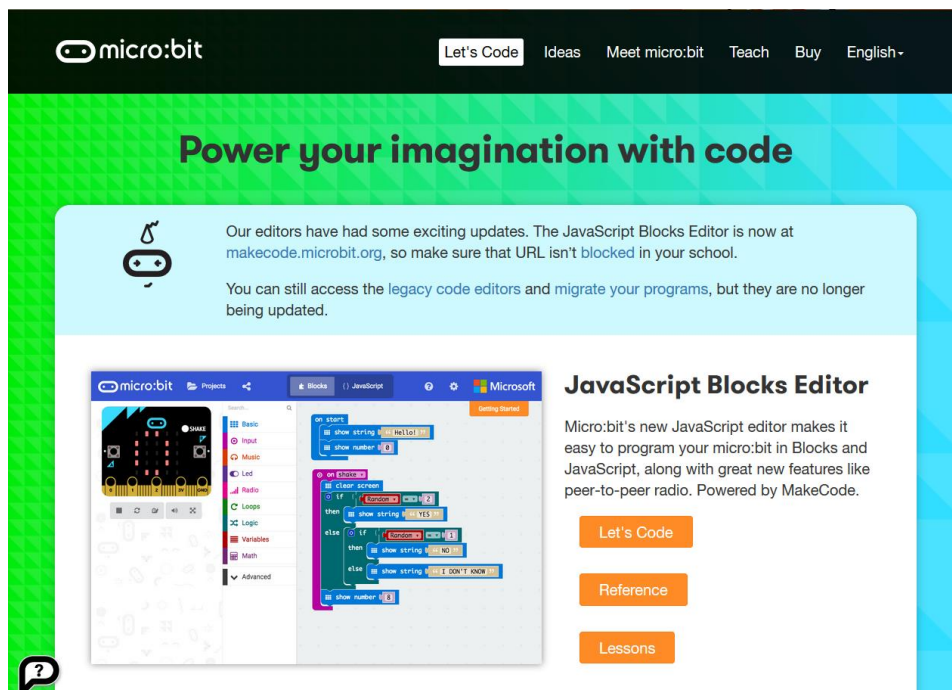
# BBC micro:bit Workshop

**Task:** Using blocks to make some basic code, make the micro:bit display lights and patterns.

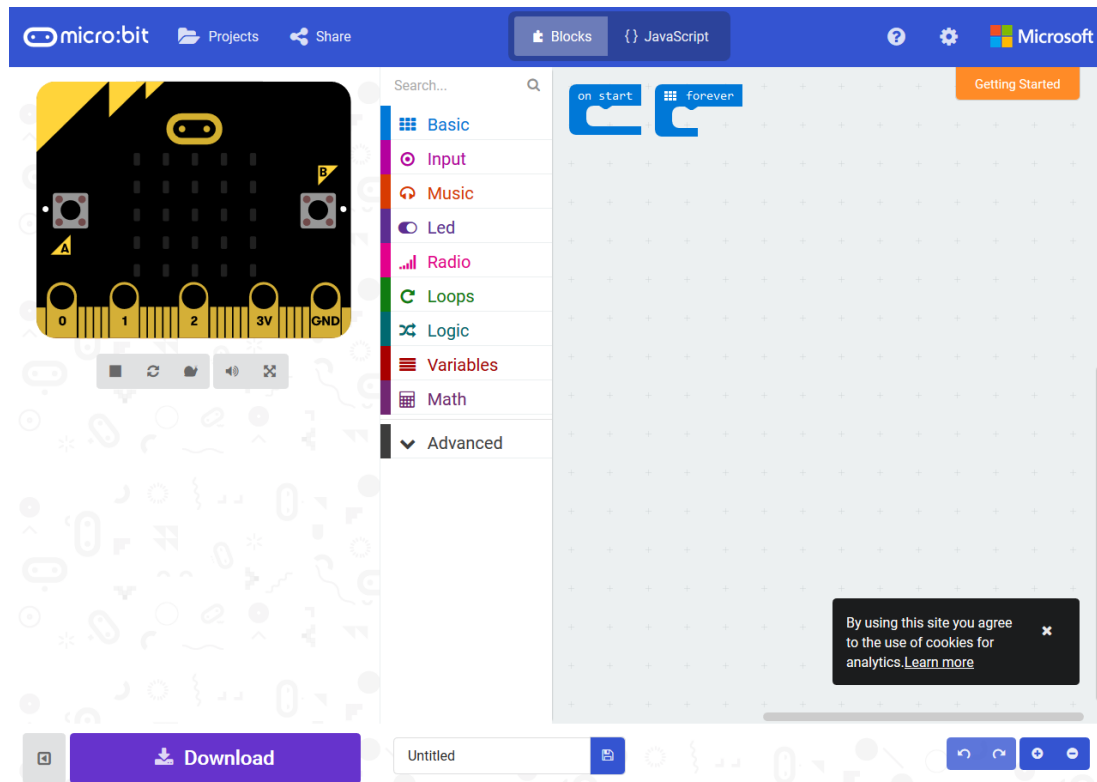
1. Before you begin, make sure that your micro:bit is plugged in to your computer (with a USB cable).
2. Open up Microsoft Edge and go to <http://microbit.org/>



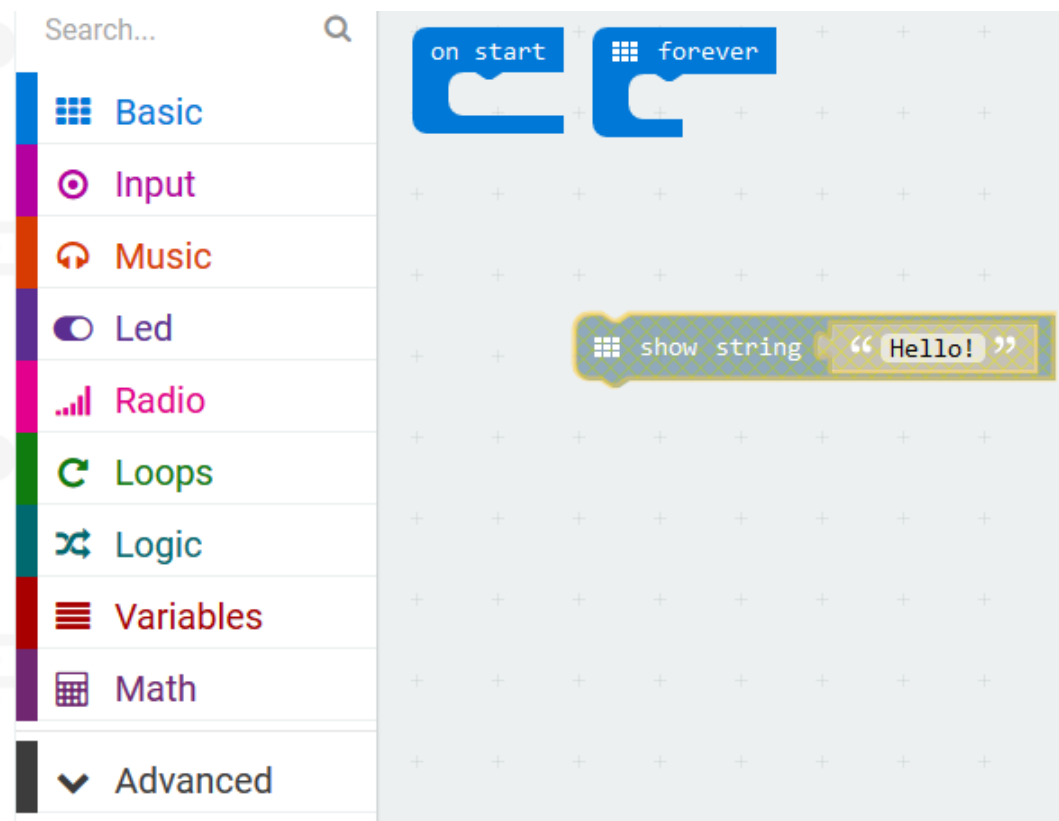
3. We will be coding the micro:bit using the **JavaScript Blocks Editor**. Look for this, and click the orange **Let's Code** button.



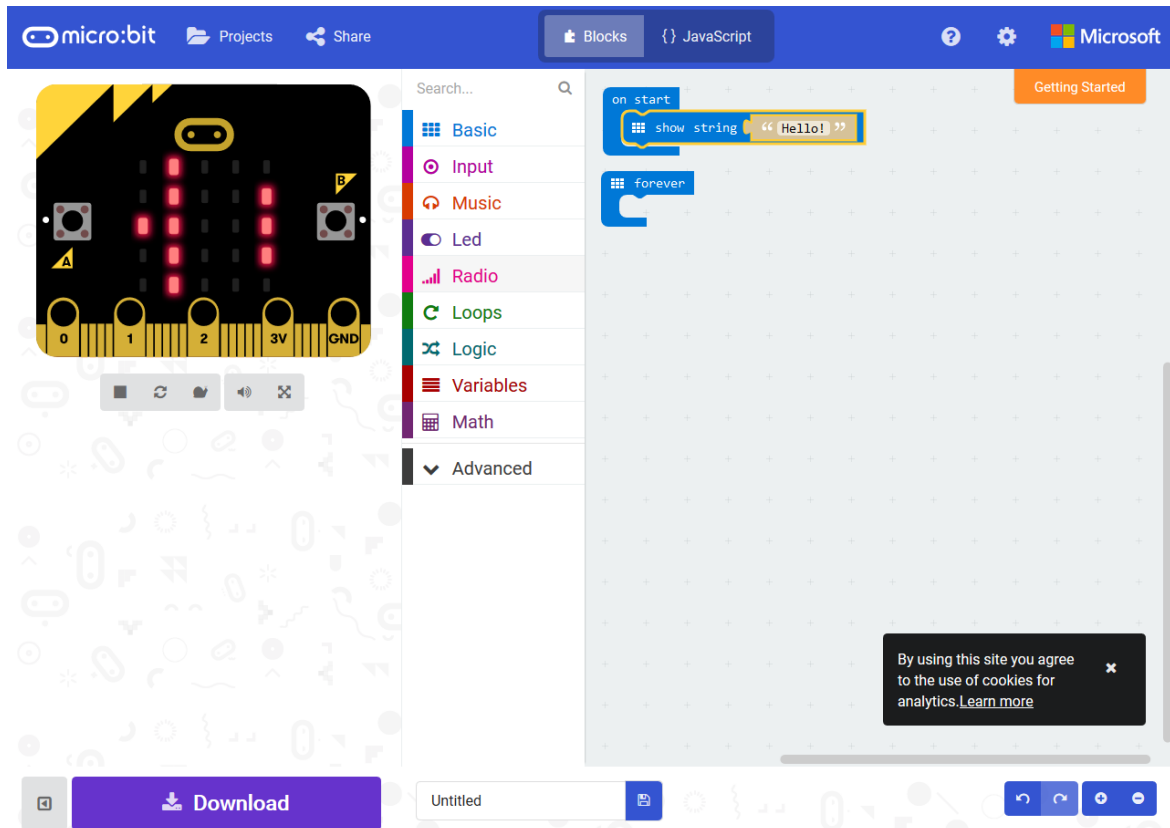
- In the centre of the screen, you will see a list of categories. Click on **Basic** and drag the **Show String** block into the space on the right.



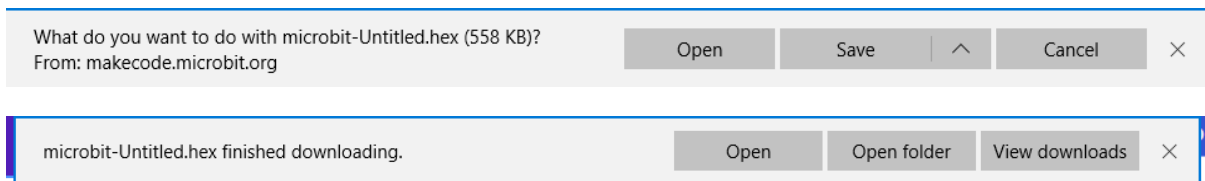
- You can now click on the box saying “Hello!” and add your own message. The micro:bit will display the message you choose later on.



6. Drag the **Show String** block you have just made into the **On Start** block. You can drag the **Forever** block somewhere else as you will not need it at the moment.



7. Now it's time to download the script you've made! Click on **Download** and the message below will pop up. Click **Save** and then **Open Folder**.



8. Drag the **microbit-Untitled** file onto the **MICROBIT** drive on the left hand side. This will put your code onto the micro:bit, and in just a few seconds you'll see it display the message you created!
9. Now that you've created your first program for the micro:bit, how about a challenge? Going back to the block editor, can you program the micro:bit to display different pictures when the **A** and **B** buttons are pressed? (**Hint:** look in the **Input** category)
10. If you figured it out, well done! Now try some of the other blocks and see what you can come up with!