

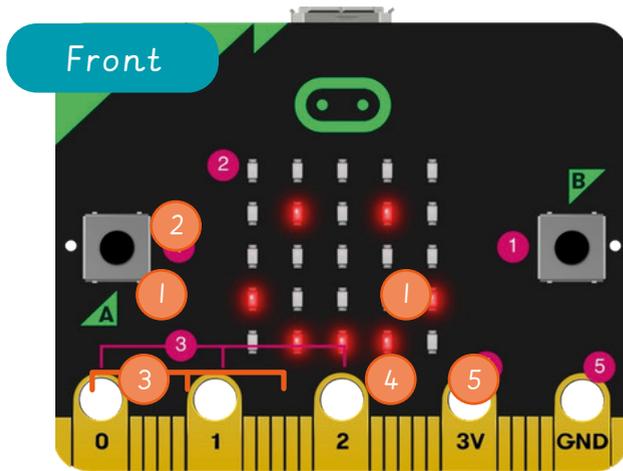
.hex file	A file type, that carries binary information.
.zip file	Multiple files that are bound together as a single file, to use less digital storage space.
Bluetooth	Device to device connectivity, for example sharing images between two smart phones.
Code blocks	A visual representation for a section of code that performs a certain job. They can be snapped together to build a program.
Decompose	To break something down into smaller chunks.
Emulator	A program or machine that is built to copy the way another computer system works.
Feature	Distinctive characteristics of something.
Loop	A repeated sequence of instructions.
Micro:bit	Created by the BBC, a small compact computer that you can code.
Pedometer	A device used to record the number of steps taken to calculate the distance travelled.
Predict	To make an educated guess, as to what might happen or occur as the result of something in the future.
Systematic	Doing something in an ordered way to achieve a specified goal.
Tinker	To explore and play with something to discover the key functions.
Variable	This could be a number or text, that can change each time the program is run and often in combination with selection to change the end result of the program.

BBC Micro:bit make code - Code blocks key:

-  Basic
-  Led
-  Logic
-  Input
-  Radio
-  Variables
-  Music
-  Loops
-  Math(s)

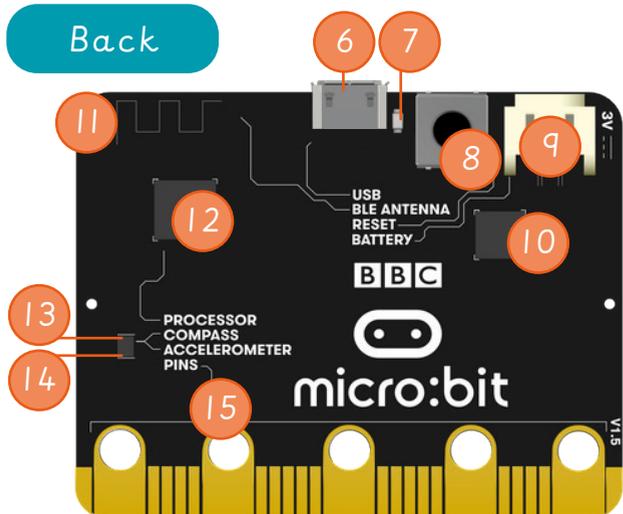
BBC Micro:bit

The BBC Micro:bit has a wide-range of features for you to program and experiment with. Each feature can be included as part of an algorithm.



Front

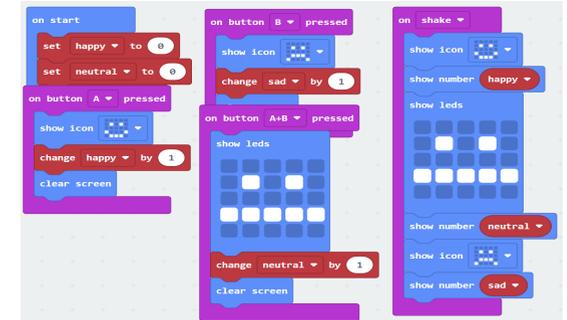
- 1 A and B buttons
- 2 LED display and light sensor
- 3 Pin: GPIO
- 4 Pin: 3 volt power
- 5 Pin: Ground
- 6 Micro USB socket
- 7 Single LED
- 8 Reset button
- 9 Battery socket
- 10 USB interface chip
- 11 Radio and Bluetooth antenna
- 12 Processor and temperature sensor
- 13 Compass
- 14 Accelerome
- 15 Pins



Back

Using variables

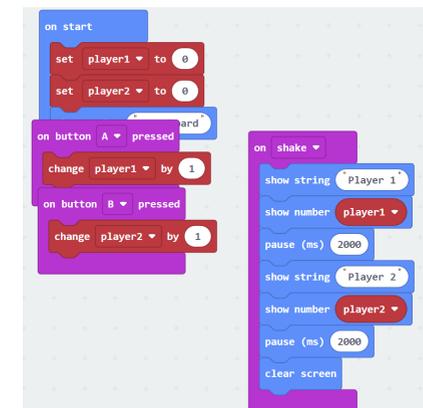
Polling program:



Programming a pedometer:



Programming a scoreboard:



Screen grabs from Microsoft MakeCode