

## Knowledge Organiser –Micro: Bits

Key Vocabulary		
1	Micro:bit	A small computer designed by the BBC for use in computer education
2	Processor	Receives inputs from the computer and produces outputs.
3	USB	The form of power supply used by the Micro:bit – power is transmitted from the computer via a micro-USB cable.
4	Buttons	Input devices used within the Micro:bit to control or alter programs whilst running.
5	LED	(Light emitting diodes) (LEDs) – used on the Micro:bit as a screen in a 5x5 grid to display information.
6	Accelerometer	An input device within the Micro:bit to control or alter programs by tilting or moving the device.
7	Microsoft Block Editor	The visual programming language used to create programs
8	Algorithm	A set of instructions to be followed to complete a given task or solve a problem.
9	Program	A sequence of instructions used by a computer.
10	Sequence	The order which the computer will run code in, one line at a time.
11	Selection	A decision made by a computer, choosing what code should be run only when certain conditions are met.
12	Condition	Checking to see whether a statement or sum is true or false.
13	Iteration	When a section of code is repeated several times – also known as looping.
14	Variable	A space that can be allocated in a program such as username
15	Motion detector	“Accelerometer” that can detect movement and tell other devices you’re on the go. Featured actions include shake, tilt and freefall.
16	Magnetometer	To sense which direction you’re facing, your movement in degrees, and where you are. Used in detecting location

17	Bluetooth	Smart Technology to connect to the internet and interact with the world around you.
18	Sensor	A light sensor is an input device that measures light levels. Your BBC micro:bit uses the LEDs to sense the levels of light and lets you program your micro:bit
19	Interface	Communication between microbit (hardware) and its software using 'Blocks' interface and a 'Javascript' interface

