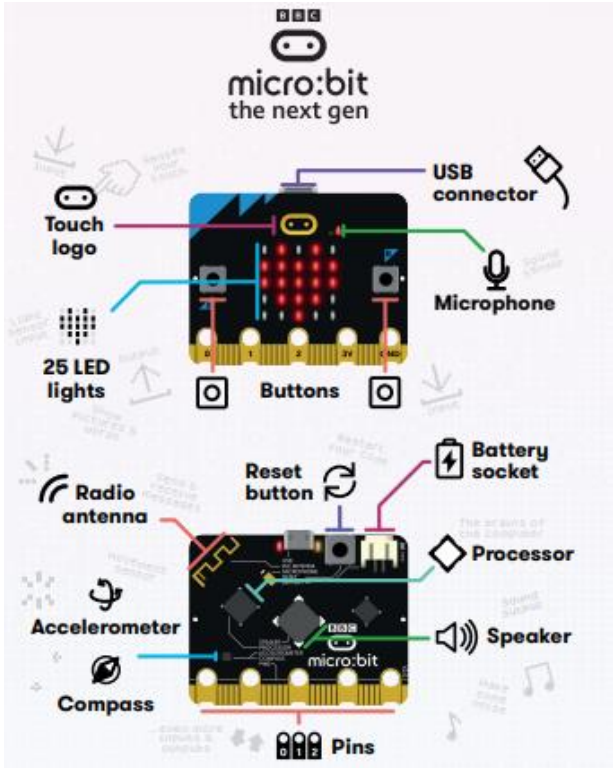
Knowledge organiser – Y6 Programming

My Key Learning

What do I already know? A Micro:bit is a programmable device.

Micro:bits use block coding language similar to Scratch.

Coding structures including variables.

Key Vocabulary	Definition
LED Display	The micro:bit has a small screen made of 25 tiny lights (LEDs) that can show pictures, numbers, and words.
Buttons	There are two buttons (A and B) and a touch-sensitive logo on the front that you can press to control games, start timers, or send messages.
Accelerometer	This is like a movement sensor inside the micro:bit that can tell when you shake it, tilt it, or move it in different directions.
Compass	The micro:bit has a tiny compass that knows which way is north, so it can tell you the direction you're facing
Bluetooth radio	The micro:bit can talk wirelessly to other devices, like your tablet or another micro:bit, to share information or play games together.
Pins	On the bottom, there are connectors called pins that you can use to attach other electronics; like lights, speakers, or sensors.
Temperature Sensor	The micro:bit can measure how hot or cold the object it's placed on is, just like a thermometer
Light Sensor:	The micro:bit can also sense how bright or dark it is by measuring the light around it using the LED display.