



# KNOWLEDGE ORGANISER: Computing- Microbit Year 4 Block 4

## Key Vocabulary

- Accelerometer
- Algorithm
- Animation
- Code
- conditionals
- control system
- Data
- Hardware
- Icon
- infinite loop
- Input
- LED
- Logic
- Loops
- Output
- Selection
- Sensor
- Simulation
- Software
- String
- Variable

## Big Goal

To use inputs, outputs, and programming to create a BBC micro:bit warning device for a natural disaster

## Key Outcomes:

- I can use block code to write simple algorithms and debug them.
- I understand the terms input and output.
- I can use looping commands to create a flashing image.
- I can program a button as an input to display an emotion
- I can program the accelerometer as an input to create a 'jump counter'.
- I can use 'if' and 'else' commands as conditional inputs to create a night light.
- I can specify ranges for outputs to create a random number or image generator.

## Key Images:

