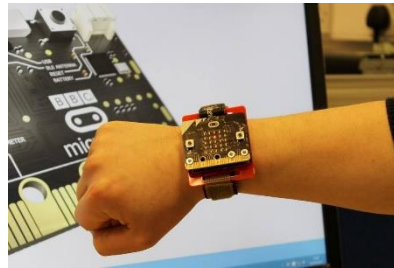
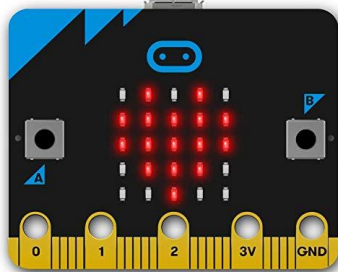




# KNOWLEDGE ORGANISER: Computing- Micro:bit - Year 4 Block 4

## Key Vocabulary

accelerometer  
algorithm  
animation  
code  
conditionals  
control system  
data  
hardware  
icon  
infinite loop  
input  
led  
logic  
loops  
output  
selection  
sensor  
simulation  
software  
string



## Key Questions:

- What is a BBC Micro:bit, and what can it be used for?
- How do you write and run code on a BBC Micro:bit?
- What sensors and features does the BBC Micro:bit have, and how can we use them in projects?

## 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:

