

Key Vocabulary

microcontroller	A circuit that controls some or all of the functions of an electronic device.
sparkles	A small flash of bright light.
crumble	An electronics controller that connects to a computer using a USB cable.
action	A result of something else.
crocodile clips	A metal clip with long, jaws which is used for creating a temporary electrical connection.

Key Facts

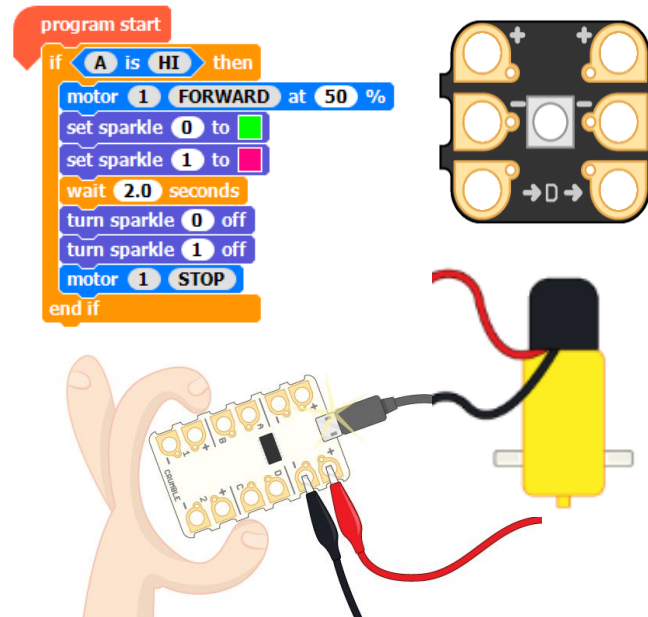
- A microcontroller is a compact integrated circuit designed to govern a specific operation in an embedded system. A typical microcontroller includes a processor, memory and inputs/outputs on a single chip.
- They are used to perform a small function.
- Microcontrollers can be found in mobile phones, cameras and washing machines.
- Certain conditions are used to tell the micro controller when to perform its intended function - e.g. turn light on, turn off motor.

Key Questions

- How do I connect a crumble?
- What are some examples of microcontrollers?
- How do I identify faults in my algorithm?
- What are the purposes of selection in code?

Links to other Learning

- Year 1 - Programming B
Moving a Robot
- Year 2 - Programming B
Quizzes
- Year 3 - Programming B
Sequence in music
- Year 4 - Programming A
Repetition in Shapes
- Year 6 - Programming B
Sensing



Equipment

Crumble Controller

