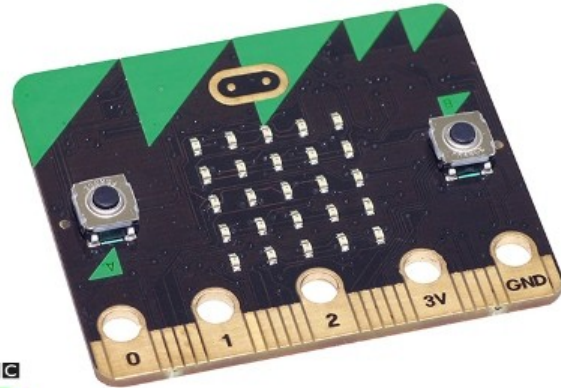


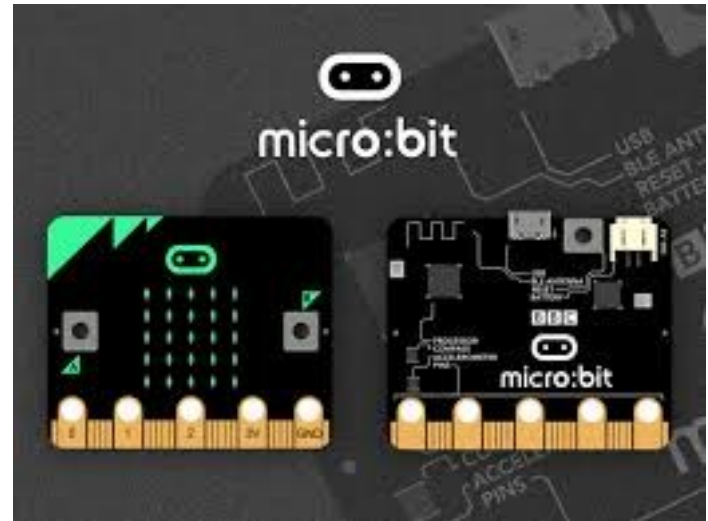
Micro:bits



BBC
micro:bit

Background info

- Developed in the UK so all students would have access to a tool to learn about computer science
 - Computer science → the study of **how users can actually use a computer**
 - [Clip](#) to see how they are used



Need for Computer Science

- Computers are important to everyone's lives in the current world
- Computer examples



- Can we use them effectively until we know how they communicate with the user?

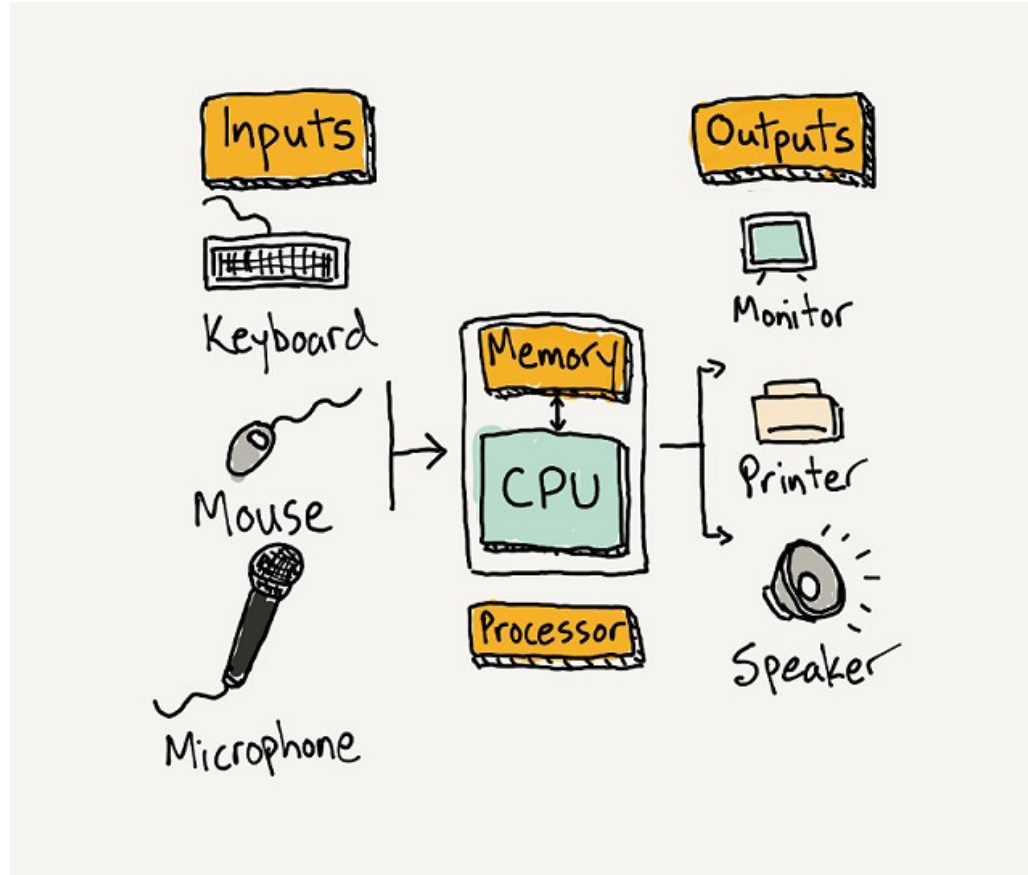
Computers

All computers have four parts:

- **Input**
- **Processor**
- **Output**
- **Memory**

How do these compare to humans?

- Input - Senses
- Output - Speech / Blushing
- Processor and Memory - Brain



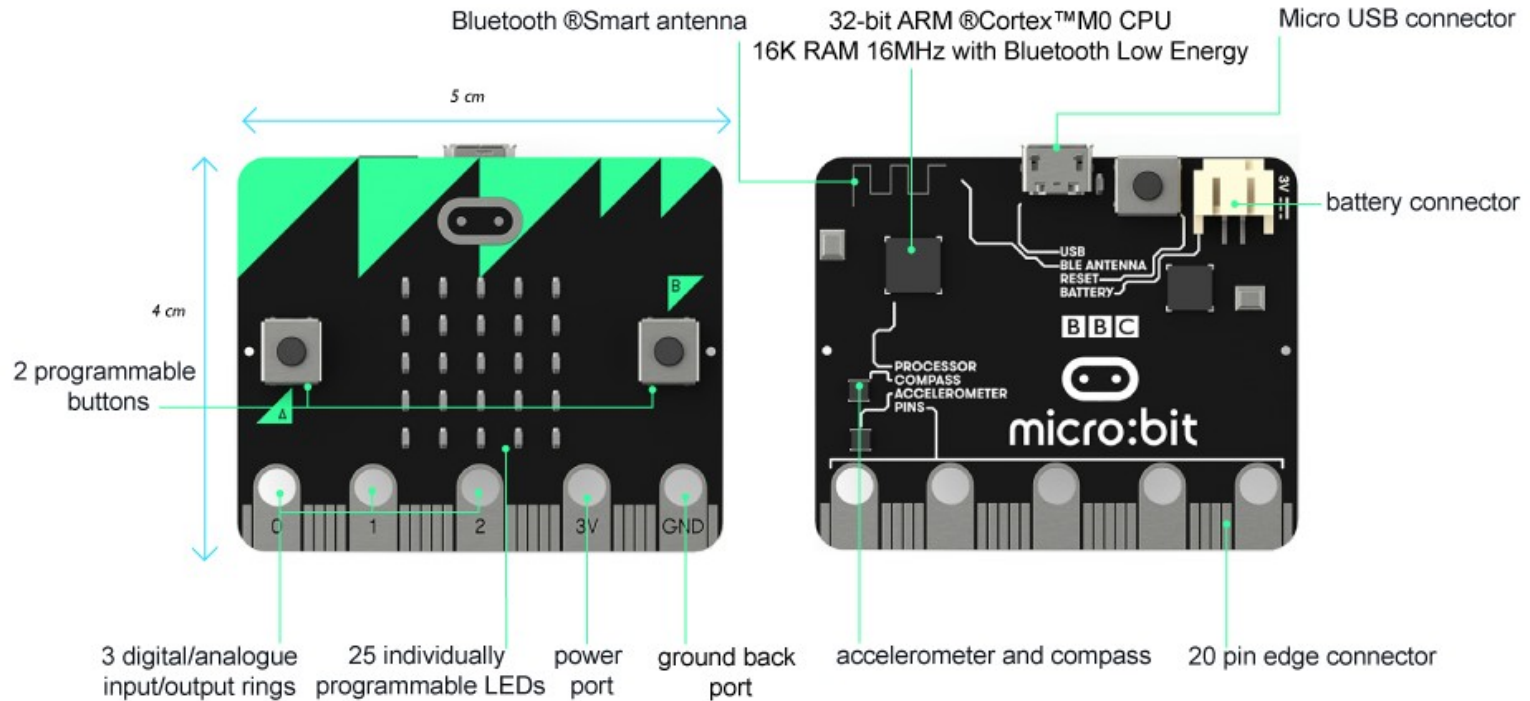
Micro:bit components

Can you locate these parts on the Micro:bit?

- Processor
- Inputs → buttons, pins, accelerometer, compass, light sensor
- Outputs → LED lights, pins, Bluetooth

(Memory is 16K RAM)

Micro:bit components



FRONT

BACK