





Advanced Python Workshop







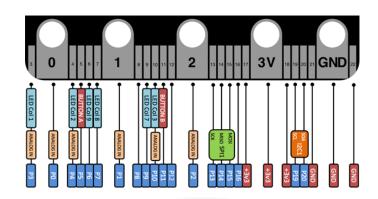
Overview

- Overview of Motors
- Overview of Circuits
- Breakout Task



Capabilities of the Micro:Bit

- 3 volts
- 90 mA
- 22 pins







Basic Motors

- 3 to 6 Volt depending on the rating.
- Non polarized.







Servo Motors

- 3 volt Servo motors available.
- 360 degree and 180 degree available.







Geared Motor

- Much more powerful and power hungry.
- Non-Polarized.

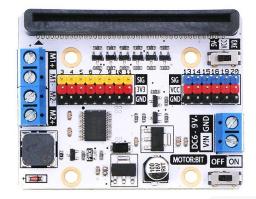




Motor Driver Boards

- Externally Powered (6 – 9volts).

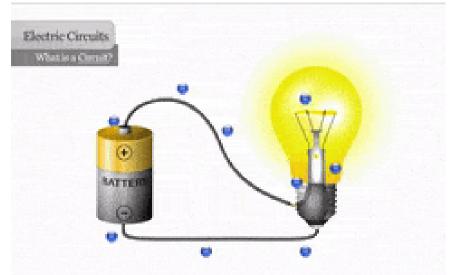




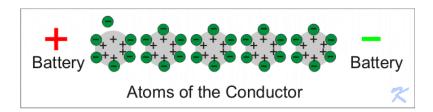


Circuits

- Electricity flows through the circuit.

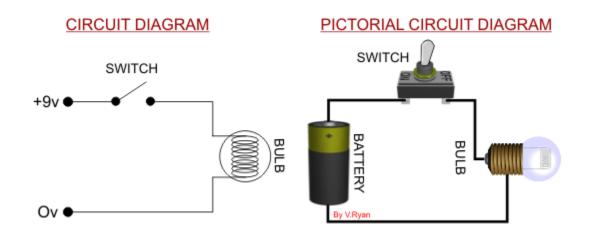


Electrons Move to the Left
Positive Charge Moves with Missing Electron





Circuit Diagrams





TinkerCad and Circuits