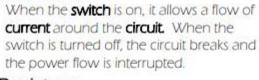
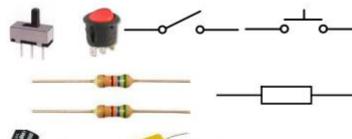
Switches

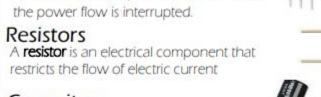
Electronic Components

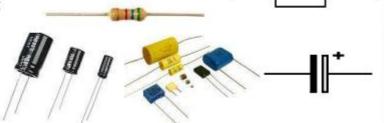
Symbols

Tools and Equipment











Capacitors

A **capacitor** is an electronic component that stores and releases electricity in a **circuit**.

LED (Light emitting Diode)

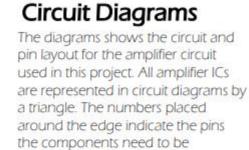
a light-emitting diode (**LED**) is a semiconductor device that emits light when an electric current is passed through it

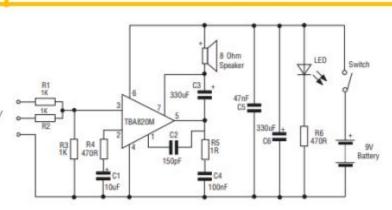


connected to.

KS3 Knowledge organiser

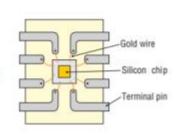






Integrated Circuits (IC's)

Engineers can now place all the components of a circuit onto a single piece of silicon. This makes the circuit more reliable and easier to construct. The diagram right shows the typical inside of an IC. The terminal pins or legs are connected to the silicon chip with a series of very fine gold wires.



Printed Circuit Board (PCB)

A **printed circuit board**, or **PCB**, is used to mechanically support and electrically connect electronic components using conductive pathways, tracks or signal traces etched from copper sheets laminated onto a non-conductive substrate

