

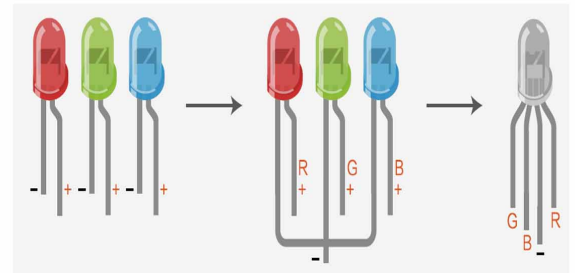
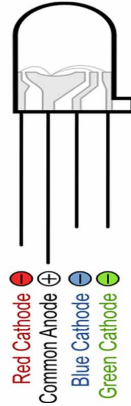
Gathering Hardware



LEDs (Light Emitting Diodes)

A **light-emitting diode (LED)** is a two-lead semiconductor light source. It is a p-n junction diode that emits light when activated. When a suitable current is applied to the leads, electrons are able to recombine with electron holes within the device, releasing energy in the form of photons.

RGB LED means red, blue and green LEDs. RGB LED products combine these three colours to produce over 16 million hues of light. Some colours are “outside” the triangle formed by the RGB LEDs. Also, pigment colours such as brown or pink are difficult, or impossible, to achieve.



RGB LED



Buzzer

A **buzzer** is a mechanical, electromechanical, magnetic, electromagnetic, electro-acoustic or piezoelectric audio signalling device.

A piezo electric buzzer can be driven by an oscillating electronic circuit or other audio signal source.

A click, beep or ring can indicate that a button has been pressed.

Jumper wires are simply wires that have connector pins at each end, allowing them to be used to connect two points to each other without soldering.



Jumper wires



Pushbutton Switches

Push buttons are electrical switches that operate by the switch making contact with the electronic system when the button is pressed and breaks the current process when the button is released. An example of this is a keyboard button.



Life must continue. And continue towards perfection, through progress, evolution, through self-initiative. Impatience can not lead to do that. Frustration is its enemy.