



Glowing Lantern



Introduction

The electricity can only flow in a closed loop circuit. Think of it as a water pipe and when the pipe is broken, the water cannot flow any further. This also applies to the flowing of electricity to power up all the electrical components.

This activity allows students to learn about circuit connection to power up a multi - coloured LED (Light Emitting Diode). Students can use their imagination to decorate the lantern.



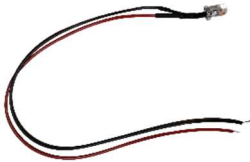


The final product can also be used as a night light or a handheld lantern.

An optional task of using a tilt switch is also available. A tilt switch can be connected to the existing circuit to make an LED turn on or off automatically when you tilt to the correct position.



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Materials Supplied

	Name	Picture	Qty
1	Battery Holder		1
2	Paper Lantern with metal frame (various colours)		1 set
3	Multi – coloured LED		1
4	Connector clip		2
5	Coloured paper strips		1 set

Materials Required (Items that are not included)



2 x 1.5 Volts AA Battery

1. Glue
2. Decorative items
3. Colouring items



1 x Tilt Switch (For Optional Task)



1 x Connector Clip (For Optional Task)