



Let's Remember

How to construct a simple electrical circuit in science, using bulbs, switches and buzzers; Different parts of a circuit have special names such as lamp, wires, switches and buzzers.

We can problem solve if a lamp will light or not based on whether or not the lamp is part of a complete loop with a cell.

Switches can be used in a series circuit. They can be drawn on or off.



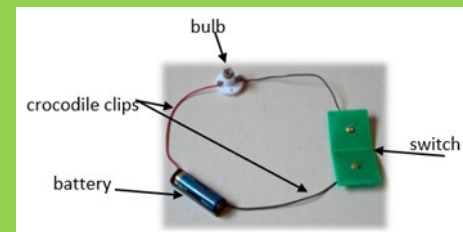
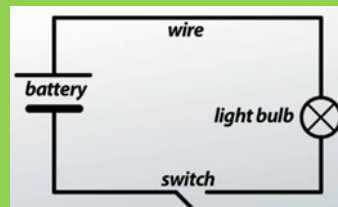
I Need to Know that...

Understand and use electrical systems in the products, incorporating switches, and bulbs.

Draw accurate circuit diagrams using correct symbols.

Use knowledge of materials to produce a durable casing that will not conduct electricity.

Know and use technical vocabulary relevant to the project.



Glossary:

Battery - a source of electricity.

Bulb - part of the electrical circuit that produces light.

Circuit - path through which electricity passes.

Conductor - a material, such as metal, which allows an electric current to pass through it.

Durable - lasts a long time without becoming broken.

Insulator - a material which does not easily allow electricity to pass through it, such as plastic.

Switch - can be used to complete and break an electrical circuit.

Let's Explore

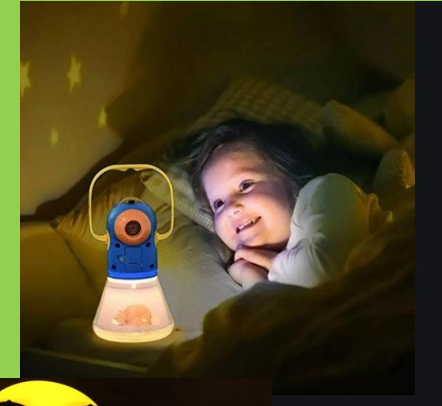
What is a night light? Does it have more than one purpose?

How do they work?

What is available?

What would make it appealing to your target audience?

How could we make it?



What will we need to think about and do to make a good night light?

