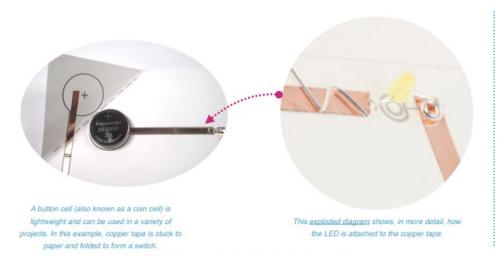
PAPER CIRCUITS

Knowledge Navigator



- ⇒ Copper is a conductive material used in electrical circuits.
- ⇒ Copper tape is thin with an adhesive backing, ideal for use in small projects when linked to a battery and LED.
- \Rightarrow Alternatively, conductive paints can be used in place of wires or copper tape.



Switches:



Folded paper or other components can be used to break or complete a circuit.

Switches may

be made by

lying out

circuits of copper tape in different ways.



LED—Light Emitting Diode—a type of small light bulb

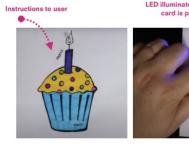
Conductive—allows electricity to pass through it

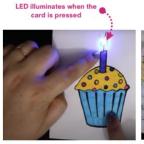
Adhesive—able to stick to a surface

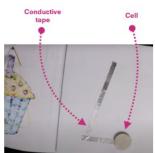
Circuit—a combination of electrical components joined by a conductive material

Components—the parts that make up something

Design Ideas:







Using LEDs and artwork in different ways can add interesting effects and enhance your products.



Can you explain how you think this card could work?





Knowledge Navigator



- ⇒ A pneumatic machine uses compressed air or other gases to create motion.
- ⇒ Air or gas is squeezed into a small space or container and therefore at a higher pressure.
- ⇒ The pressure is used to create movement.
- ⇒ If you add water (or oil) to the system the force will be even stronger as it cannot be compressed. This is called hydraulics.



Pneumatic comes from the Greek word 'pneuma' meaning air or wind.

Did you know...

Hydraulics comes from the latin word 'hydra' meaning water.





rigid—an object that is stiff, doesn't bend or change shape.

Assembling Frame Structures:

Design Inspiration: