

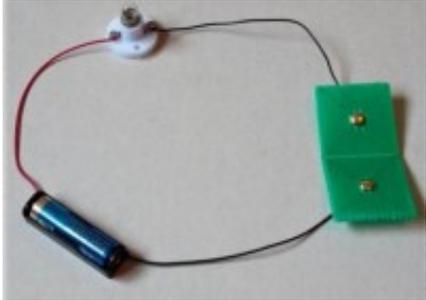
# Electrical Systems—A light up card.

- Skills**
- Create
  - Design
  - Plan
  - Recognise
  - Sequence
  - Justify
  - Refine
  - Identify
  - Evaluate

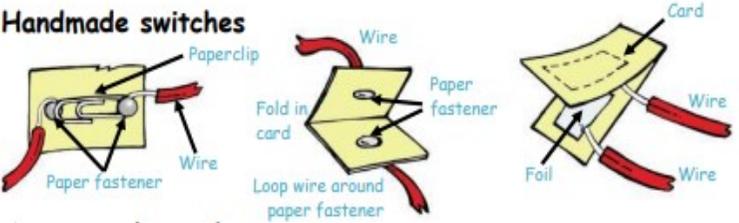


**Key Knowledge**

A circuit needs to be complete for electricity to pass through. To make a circuit, you need a battery, wires and a bulb, motor or buzzer. Switches work by breaking the circuit.



**Handmade switches**



- Key Questions.**
- What do good cards look like?
  - What part of the card will light up?
  - How will I make a suitable switch?
  - How can I keep my circuit hidden apart from the bulb?
  - In what order will I need to make my light?
  - How could the end result have been improved?

- Key vocabulary**
- Circuit – path through which electricity passes.
  - Prototype – a model made to test whether a design will work.
  - System - a set of related parts or components that together achieve a desired outcome.
  - Output devices - components that produce an outcome e.g. bulbs and buzzers.
  - Input devices - components that are used to control an electrical circuit e.g. switches.

