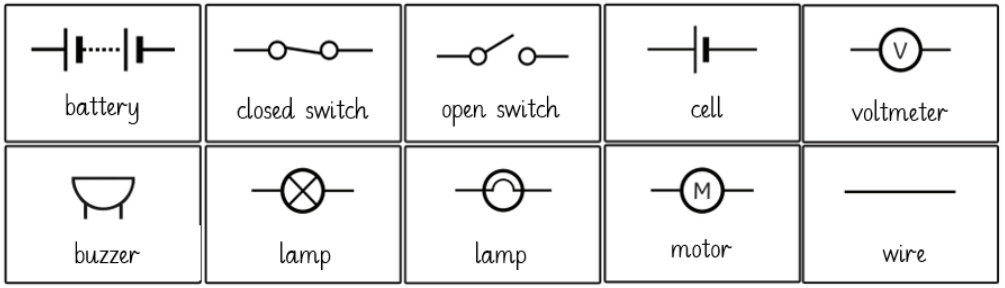
Burwell Village College Primary

Electrical Systems

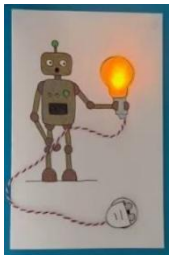
Vocabulary	
battery (cell)	provides power/electricity to the circuit or other objects
buzzer	produces an audio signal in the form of a noise when a voltage is applied to it
component	an individual part of a circuit (e.g. lamp, buzzer, switch)
current	the flow of electrical charge
electric circuit	a path that allows electricity to flow
parallel circuit	a circuit with more than one path for electricity to pass through
series circuit	a circuit with only one path for electricity to pass through
switch	a device for making and breaking the connection in an electric circuit

Circuit Symbols



An interactive card is a greeting card that includes features like: lights, sounds or moving parts.

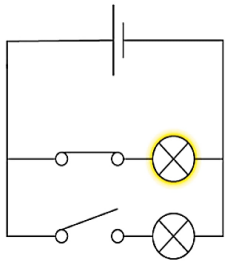
These engage the recipient, the person who receives the card.



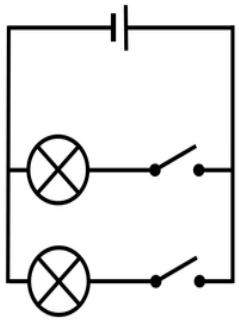
Parallel Circuit

- A parallel circuit is a circuit where components are connected on multiple paths.
- Electricity can flow through more than one at the same time.

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On the left, one of the bulbs is lit in the path because its switch is closed. It is unlit in the other path because the switch is open, breaking the circuit. On the right, both switches are open so the bulbs are unlit.



Series Circuit

A series circuit is a circuit where all the components are connected in a single path. Electricity flows through each component one by one.

