## Electrical Systems - Greeting cards

Key facts



		Primary
Battery	A cell or connected group of cells which store electrical energy.	Electricity needs a complete
Buzzer	A component which makes a loud noise as electricity passes through it.	<b>circuit</b> to flow aroun'd. <b>Switches</b> work by closing the gap in a circuit.
Circuit	A collection of components which make an electrical system.	Bulbs, cells, buzzers, motors and switches are all types of
Component	One of several parts of which something is made.	components.
Conductor	A material that allows electricity or heat to pass along it or through it.	Series Circuit Diagram
Copper	A metal material that is one of the best conductors of heat and electricity. It is often used to make wires and pipes.	LED
Design	To make, draw or write plans for something.	
Design criteria	To help designers focus their ideas and test the success of them.	
Function	How an object or product operates or works.	└───┼┫┈┈┈│┏────╺────┘
Graphite	A conductive, black carbon material that is used to make pencil leads.	battery switch
Innovative	Introducing or using new ideas or ways of doing something.	More circuit symbols
Insulator	A material that doesn't allow electricity or heat to pass along or through it.	wire switch open
LED	A light emitting diode which lights up as electricity passes through.	switch closed
Modify	Changing something to improve or fix it.	
Parallel circuit	An open circuit where the current follows two or more paths.	Did you know?
Series circuit	A closed circuit where the current only follows one path.	for the second s
Switch	A component which opens and closes to turn the circuit on or off.	
Target audience	A particular group of people who the product is aimed at.	
Test	To find out whether something works as it should.	Electricity travels at the speed of light.
Wire	A conducting material which transfers electricity within a circuit.	That's more than 186,000 miles a second!