



Science	Year 6
Focus: Electricity	
Age related scientific vocabulary	

Voltage	Current
The measure of how strong the current is in a circuit	The flow of an electric charge

Key Knowledge
<ol style="list-style-type: none"> 1. A circuit needs multiple components to be successful 2. A switch opens and closes a circuit 3. Drawings of complex circuits can be simplified using symbols in circuit diagrams. 4. An ammeter measures the electric current 5. The number & voltage of the cells in a simple circuit affect the brightness of bulbs, the loudness of buzzers or the speed of motors 6. Series circuits are simple with components wired along a single wire. If one component fails the complete circuit is broken and so all components fail to work as they should. 7. In parallel circuits the complete circuit is maintained by other connections and so the failure of one component doesn't stop the other components working normally.

Science	Carlton Assessment Grid		
Success Criteria	Pupil Reflection		Teacher Assessment
	Before	After	
I can create simple circuits and identify the changes that occur when components are added, removed or changed.	<input type="checkbox"/>	<input type="checkbox"/>	
I can correctly identify circuit diagram symbols.	<input type="checkbox"/>	<input type="checkbox"/>	
I can draw the symbols for components in a simple electrical circuit and build a circuit from them.	<input type="checkbox"/>	<input type="checkbox"/>	
I can plan and carry out a fair test to answer a question.	<input type="checkbox"/>	<input type="checkbox"/>	
I can report findings from my enquiries	<input type="checkbox"/>	<input type="checkbox"/>	
I can describe and build series and parallel circuits	<input type="checkbox"/>	<input type="checkbox"/>	
I can use simple electric circuits to make games or activities.	<input type="checkbox"/>	<input type="checkbox"/>	