Science Assessment Grid : Changing Circuits : Year 6

PlanBee

Changing Circuits

Group: Year: Term:

	Science												
Lesson 1	Can children distinguish the differences between static and current electricity?												
	Can children describe what electrical charge is?												
	Can children give an example of where static electricity might be generated?												
Lesson 2	Do children know what the main components of a circuit are?												
	Do children recognise what the difference between a series and a parallel circuit is?												
	Can children draw and/or construct working circuits?												
Lesson 3	Do children know why symbols are used to draw circuit diagrams?												
	Can children recognise the symbols for various common circuit components?												
	Can children use conventional circuit symbols to draw and/ or construct circuits?												
Lesson 4	Do children know that the brightness of a bulb or the speed of a motor can be changed in a circuit?												
	Do children know that the brightness of a bulb or speed of a motor depends on how much power is supplied to each component?												
	Do children know that bulbs and motors will blow out if too high a voltage is used?												
Lesson 5	Do children know that the brightness of the bulb in a circuit can be altered by changing the wires?												
	Can children suggest questions to investigate, decide what to do and what equipment to use to test the question?												
	Can children make fair comparisons and draw conclusions from their results?												
Lesson 6	Can children design a simple circuit for a purpose?												
	Are children able to build a working circuit for a purpose?												
	Can children use their knowledge of circuits and components such as switches to create more complex circuits?												