



Pupil outcomes as a result of this module

	<u>National curriculum References</u>
<p><u>Knowledge</u></p> <ul style="list-style-type: none"> I can associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit I know and can use the vocabulary associated with electricity 	11A
<p><u>Skills</u></p> <ul style="list-style-type: none"> I can use recognised symbols when representing a simple circuit in a diagram by recognising and drawing scientific circuit symbols accurately. I can plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary including recognising and controlling variables where necessary by investigating the relationship between wire length and the brightness of bulbs or the loudness of buzzers. I can record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs I can report and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations by conducting, presenting and report findings on the effect of wire length on the brightness of bulbs or the loudness of buzzers. I can identify scientific evidence that has been used to support or refute ideas or arguments in the context of the major discoveries made by scientists in the field of electricity. I can observe the effect of different voltages in a circuit. I can use test results to make predictions to set up further comparative and fair tests 	11C 1A 1C 1E 1F 1D
<p><u>Understanding</u></p> <ul style="list-style-type: none"> I can compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches I can associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit I can explain the effect of differing voltages in a circuit. 	11B