

Wordsworth Science Curriculum

KS2 Electricity			
Year 3	Year 4 Summer 1	Year 5	Year 6 Autumn 2
Skills			
	 Set up simple practical enquiries, comparative and fair tests Make systematic and careful observations 		 Plan different types of scientific enquiries to answer questions including recognising and controlling variables e.g. designing and making a set of traffic lights, a burglar alarm or some other useful circuit Work systematically e.g. identifying the effect of changing one component at a time in a circuit Record data and results using scientific diagrams (circuit diagrams with keys) Use test results to make predictions to set up further comparative tests
-	Record findings using simple		
-	scientific language, drawings		
	conclusions, make predictions and raise further questions		
			Report and present findings from
	 Identify differences, similarities or changes related to simple scientific ideas 		enquiries including conclusions and causal relationships
Knowledge			
	 Know common appliances that run on electricity Construct a simple series electrical circuit, identifying and name it's basic parts, including cells, wires, bulbs, switches and buzzers Know how to make a simple series circuit, know whether a circuit is a complete Explain how a switch works in a circuit Know some common conductors and insulators 		 Know that the brightness of a lamp or the volume of a buzzer associates with the number and voltage of cells used in the circuit Give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches Know how to use recognised symbols when representing a simple circuit in a diagram