

Year 4 Electricity

Words I need to know for this topic:		By the end of this topic I should know how:
Electricity	A type of energy.	To construct a simple series circuit, identifying/naming its basic parts, including cell, wire, bulb, switch and buzzer To use their circuits to create simple devices To draw the circuit as a pictorial representation (not necessarily using conventional circuit symbols) To know about precautions for working safely with electricity To identify whether or not a lamp will light in a simple series circuit To recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit To recognise some common conductors and insulators, and associate metals with being good conductors To understand the contributions and inventions made and discovered by Thomas Edison and Benjamin Franklin
Circuit	A closed loop in which electricity can travel.	
Conductors	Carries electrical charge easily.	
Insulators	Does not let electricity travel through easily.	
Switch	Used to control circuits to break them or complete them.	By the end of this topic I should be able: To set up simple practical enquiries, comparative and fair tests To make systematic and careful observations using notes and simple tables To take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers To gather, record, classify and present data in a variety of ways to help in answering questions To record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables To report on findings from enquiries, using relevant scientific language, including oral and written explanations, displays or presentations of results and conclusions To use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions To use straightforward scientific evidence to answer questions or to support their findings To recognise when and how secondary sources might help them to answer questions that cannot be answered through practical investigations How simple electrical circuits and components can be used to create functional products
Our Scientist is:		Anything else interesting I have learned:
Future learning: Year 6 Circuits		