Leintwardine Endowed CE Primary School Learning Journey Itinerary					
'Letting Our Light Shine'					
SUBJECT : Science	YEAR : B T	ERM : Sprir	ιg 2	YEAR GROUPS : 3/4	
Key Question: What makes a circuit complete?					
Previous Knowledge – Know that electricity is used to power household items. Know that electricity components					
can be powered by batteries or mains. Know that electricity can be dangerous.					
Some children will not uet	Most children will show that they		.J I Some c	hildren will have gone beyond	
have met what is expected and	have reached the expected level		the exp	the expected level and will show that	
will show that they are	because they can:		they ar	they are exceeding because they can:	
emerging because they can:	5		5		
 Children can define what an electrical appliance is and are starting to identify those that are mains- or battery-powered. With support, children can identify different circuit components and explain what they do. With support, children can build series circuits, identifying whether they are complete or incomplete. With support, children can explain what electrical conductors and insulators are and give some examples of these. With support, children can identify some different switches and start to explain how switches work in a circuit. With support, children can apply their knowledge of electricity to different situations. With support, children can group and classify things (appliances) and record their findings using labelled diagrams. With support, children can use a range of (electrical) equipment and record findings using labelled diagrams. With support, children can make predictions, use a range of (electrical) equipment and record findings using labelled diagrams. With support, children can decide how to set up a simple practical enquiry, make predictions and draw simple conclusions from their results. With support, children can report and present their results and conclusions to others in oral forms. With support, children can use straightforward scientific evidence to answer questions and identify similarities, differences, patterns and changes relating to simple scientific ideas and processes. 	 have reached the expected level because they can: Children can define what an electrical appliance is and identify those that are mainsor battery-powered. Children can identify different circuit components and explain what they do. Children can build series circuits, identifying and explaining whether they are complete or incomplete. Children can explain what electrical conductors and insulators are and give several examples of these. Children can identify several different switches and explain how switches work in a circuit. Children can apply their knowledge of electricity to different situations Children can group and classify things (appliances) and record their findings using labelled diagrams. Children can make predictions, use a range of (electrical) equipment and record findings using labelled diagrams. Children can make predictions, use a range of (electrical) equipment and draw simple conclusions from their results. With some guidance, children can decide how to set up a simple practical enquiry, make predictions and draw simple conclusions to others in oral forms. Children can use straightforward scientific evidence to answer questions and identify similarities, differences, patterns and changes relating to simple scientific ideas and processes. 		 Childrer is and ide mains- or unusual o Childrer explain th Childrer identifyin complete explain h complete explain h complete. Childrer conductoo examples Childrer switches work in a Childrer of electrica Childrer things (ap independe use their questions W Childrer things (ap independe use their questions Childrer a range o conclusio Childrer a range o conclusio Childrer a simple draw sim 	a can define what an electrical appliance ntify a variety of appliances that are battery-powered, including more appliances. A can confidently identify different circuit ats and explain what they do. They can be terms 'battery' and 'cell'. A can confidently build series circuits, g and explaining whether they are or incomplete. They can independently ow to make an incomplete circuit a can confidently explain what electrical as and insulators are and give a range of of these. A can identify a range of different and confidently explain how switches circuit. A can confidently group and classify opliances) and record their findings antly using labelled diagrams. They can scientific reasoning skills to answer on these classifications. A can confidently use a range of) equipment and record findings using iagrams. They can identify patterns in lts. A can confidently make predictions, use f (electrical) equipment and draw simple as from their results. A can confidently make predictions and ple conclusions from their results. A can confidently decide how to set up oractical enquiry, make predictions and ple conclusions to others in oral forms. A can confidently are port and present their d conclusions to others in oral forms. A can confidently are of and present their a can confidently and independently use rward scientific evidence to answer and identify similarities, differences, and changes relating to simple scientific processes.	

JPPUKTUNITIES

Class discussions, End of unit assessments, Work produced in books, Kahoot quiz.

ENRICHMENT OPPORTUNITIES Helping children to remember more

Creating electrical circuits. Fixing broken electrical circuits. Creating a torch.

SUBJECT SPECIFIC VOCABULARY

appliance, mains, battery, electricity, powered, device, electricity, circuit, series, bulb, wire, buzzer, switch, cell, battery, component, diagram, complete circuit, incomplete circuit, energy ball, conductor, insulator, material, object, equipment, prediction, result, conclusion, closed, open, on, off, slide switch, toggle switch, selector switch, push button switch, battery-powered, mains-powered,

CROSS-CURRICULAR LINKS Links that we can make to help children make sense of what we want them to know and be able to do.