




Design Technology Medium Term Planning
Year: 3

Term	Main DT Theme	Sub Questions / Key Knowledge	Subject Specific Vocabulary	Linked Visits in / Visits out	Assessment will be based on a formative approach of children being able to answer the key questions using the knowledge acquired over the half term through a quiz-based approach.
Autumn Term- 	Electrical Systems: Electric poster	<p>What is the definition for information design? What is a list of design criteria? Why is it important to write a list of design criteria? What is an electrical system? What is an electrical product? Why do we use corrugated cardboard to mount the poster? Which circuit component is the battery holder? Which circuit component is the bulb? Which circuit component is the crocodile clip? Why is information design important?</p> <ul style="list-style-type: none"> • To understand that an electrical system is a group of parts (components) that work together to transport electricity around a circuit • To understand common features of an electric product (switch, battery or plug, dials, buttons etc.) • To list examples of common electric products (kettle, remote control etc.) • To understand that an electric product uses an electrical system to work (function) • To know the name and appearance of a bulb, battery, battery holder and crocodile wire to build simple circuits 	<ul style="list-style-type: none"> • Information design • Design • Public • Design criteria • Research • Initial ideas • Sketch • Bulb • Self-assessment • Peer assessment • Feedback • Develop • Final design • Electrical system • Electric product • Circuit • Circuit component • Bulb • Battery • Crocodile wires 		
Spring Term- 	Textiles: Egyptian Collars	<p>What do we mean by joining technique? What is a template? What is applique? What is a running stitch? What is a cross stitch? What does synthetic mean?</p>	<ul style="list-style-type: none"> • appliqué • cross-stitch • fabric • running stitch • patch • thread 		

		<p>What does unique mean? What is 'pinking'? What do we mean by 'embellish'? Why are material properties useful to know when designing a product?</p> <ul style="list-style-type: none"> •To know that applique is a way of mending or decorating a textile by applying smaller pieces of fabric to larger pieces. •To know that when two edges of fabric have been joined together it is called a seam. •To know that it is important to leave space on the fabric for the seam. •To understand that some products are turned inside out after sewing so the stitching is hidden. 	<ul style="list-style-type: none"> • embellish • template • cotton • silk • polyester • wrinkle • tear • water-resistant • breathable • matt • shiny • biodegrade • pinking 		
<p>Summer Term-</p> 	<p>Food: Eating Seasonally</p>	<p>What do we mean by diet? What are nutrients? What do we call the cooking instructions to make a dish? What affects whether fruit and vegetables grow? What do we mean by seasonal food? When a food is 'in season' what do we mean? What do we call it when a food is brought to our country? What do we call it when a food is sent to another country? How can you keep safe when cooking in the kitchen?</p> <ul style="list-style-type: none"> • To know that not all fruits and vegetables can be grown in the UK • To know that climate affects food growth • To know that vegetables and fruit grow in certain seasons • To know that cooking instructions are known as a 'recipe' • To know that imported food is food which has been brought into the country 	<ul style="list-style-type: none"> • Climate • Dry climate • Exported • Imported • Mediterranean climate • Nationality • Nutrients • Polar climate • Recipe • Seasonal food • Seasons • Temperate climate • Tropical climate 		

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		<ul style="list-style-type: none">• To know that exported food is food which has been sent to another country.• To understand that imported foods travel from far away and this can negatively impact the environment• To know that each fruit and vegetable gives us nutritional benefits because they contain vitamins, minerals and fibre• To understand that vitamins, minerals and fibre are important for energy, growth and maintaining health• To know safety rules for using, storing and cleaning a knife safely• To know that similar coloured fruits and vegetables often have similar nutritional benefits			
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