



# Medium Term Plan DT 2023 - 2024

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>Trips or events</b>		Year 2 – DT sewing workshop  Year 3 – lantern parade	Y1- shoebox cars workshop			Climate change Y6 – linked to Geography – Design a sustainable product  KS1 transition picnic
<b>EYFS</b>	LO: I can use a range of small tools, including scissors and paint brushes (PD- fine motor skills) I can begin to show accuracy and care when drawing (PD- fine motor skills) I can safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function (EAD- creating and materials) I can share my creations, explaining the process they have used (EAD- creating and materials) I am confident to try new activities and show independence, resilience and perseverance in the face of challenge (PSED- managing self) I can understand the importance of healthy food choices. (PSED- managing self)					

<b>Year 1</b>	Not taught	<u><b>Moving pictures- Christmas cards</b></u>  <u><b>Design</b></u> I can design a purposeful, functional and appealing card for myself, based on	<u><b>Cars</b></u>  <u><b>Design</b></u> I can design a purposeful, functional and appealing car	Not taught	<u><b>Fruit Kebabs</b></u> <u><b>Design</b></u> I can design purposeful, functional, appealing food	Not taught
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		<p>design criteria (lever, spinner and tab)</p> <p>I can design, make and evaluate a Christmas card with moving parts.</p> <p>I can communicate my ideas through talking, drawing, templates and mock-ups</p> <p><b><u>Make</u></b> I can select from and use a range of tools and equipment to perform practical tasks (joining, cutting, shaping, finishing)</p> <p>I can select from and use a wide range of materials and components- <b>construction materials</b>, according to their characteristics (scissors, split pins, , tabs)</p> <p><b><u>Evaluate</u></b> I can explore and evaluate a range of existing products</p> <p>I can evaluate my Christmas card against design criteria</p>	<p>based on design criteria</p> <p>I can generate a design for my car.</p> <p>I can develop, model and communicate my ideas through talking, drawing, templates, mock-ups.</p> <p><b><u>Make</u></b> I can select from and use a range of tools and equipment to perform practical tasks (cutting, measuring, joining)</p> <p>I can select from and use a wide range of materials and</p>		<p>for myself and other users based on design criteria</p> <p>I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups</p> <p><b><u>Make</u></b> I can select from and use a range of tools and equipment to perform practical tasks – <b>cutting, spreading , mixing</b></p> <p>I can select from and use a wide range of materials and components</p>	
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			<p>components, including <b>construction materials</b>, according to their characteristics</p> <p><b><u>Evaluate</u></b> I can explore and evaluate a range of existing products</p> <p>I can evaluate my car against design criteria</p> <p><b><u>Technical knowledge</u></b> I can build a car, exploring how it can be made stronger, stiffer and more stable</p> <p>I can explore and use mechanisms, wheels and axles in my products.</p>		<p><b>(ingredients)</b> according to their characteristics</p> <p><b><u>Evaluate</u></b> I can explore and evaluate a range of existing products</p> <p>I can evaluate my fruit kebab against design criteria</p>	
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Year 2	Not taught	<p><b><u>Textiles- Christmas decorations</u></b></p> <p><b><u>Design</u></b> I can design a purposeful, functional, appealing Christmas decoration for myself and other users based on design criteria</p> <p>I can generate, develop, model and communicate my ideas through talking, drawing, templates, mockups</p> <p><b><u>Make</u></b> I can select from and use a range of tools and equipment to measure, cut, thread and sew my Christmas decoration.</p> <p>I can select from and use a wide range of materials and components, including construction, <b>textiles</b> according to their characteristics</p> <p><b><u>Evaluate</u></b></p>	Not taught	<p><b><u>Food project- bread making</u></b></p> <p><b><u>Design</u></b> I can design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>I can generate, develop, model and communicate my ideas through talking, drawing, templates, mockups</p> <p><b><u>Make</u></b> I can select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</p>	Not taught	<p><b><u>Lighthouses</u></b></p> <p><b><u>Make</u></b> I can select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</p> <p>I can select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p> <p><b><u>Evaluate</u></b> I can explore and evaluate a range of existing products</p> <p>I can evaluate their ideas and products</p>
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		<p>I can explore and evaluate a range of existing products</p> <p>I can evaluate their ideas and products against design criteria</p>		<p>I can select from and use a wide range of materials and components, <b>ingredients</b>, according to their characteristics</p> <p><b><u>Evaluate</u></b> I can explore and evaluate a range of existing products</p> <p>I can evaluate their ideas and products against design criteria</p>		<p>against design criteria</p> <p><b><u>Technical knowledge</u></b></p> <p>I can build structures, exploring how they can be made stronger, stiffer and more stable</p> <p>I can explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.</p>
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<b>Year 3</b>	NO DT project in TERM 1	<p>LANTERN MAKING</p> <p>LO: I can design a lantern using appropriate materials</p> <p>LO: I can design a lantern using appropriate materials</p> <p>LO: I can evaluate my lantern</p>	Not taught this term	<p>EASTER BISCUITS</p> <p>LO: I can research a food product.</p> <p>LO: I can design my food product</p> <p>LO: I can make my food product.</p> <p>LO: I can evaluate my food product.</p>	Not taught this term	<p>DEN BUILDING</p> <p>LO: I can research a suitable shelter. LO: I can design a shelter.</p> <p>LO: I can make a shelter.</p> <p>LO: I can evaluate my product.</p>
<b>Year 4</b>	NO DT project in TERM 1	<p>PURSE MAKING</p> <p>LO: I can design a purse</p> <p>LO: I can make a net</p> <p>LO: I can sew my purse LO: I can evaluate my money container</p>	Not taught this term	Not taught this term	<p>WIND TURBINES</p> <p>L.O: I can discuss the pros and cons of wind power and other renewable sources of energy.</p> <p>LO: I can design a wind turbine and create an annotated diagram. L.O: I can build a functional wind turbine.</p>	<p>LO: I can understand and apply the principles of a balanced diet</p> <p>LO: I can analyse and investigate a range of products</p> <p>LO: I can investigate a range of products</p> <p>LO:I know how to prepare food hygienically and safely.</p> <p>LO: I can evaluate my product</p>

					L.O: I can evaluate the product I have made.	
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<b>Year 5</b>	NO DT project in TERM 1	<p>EMBROIDERY</p> <p>LO: I can understand the design process and can research different uses of embroidery</p> <p>LO: I can practise using a range of stitches</p> <p>LO: I can design an embroidery pattern</p> <p>LO: I can embroider a pattern</p> <p>LO: I can evaluate my work</p>	Not taught this term	<p>CATAPULTS</p> <p>L.O: I can discuss a catapult and make a preliminary design</p> <p>L.O: I can research mechanisms and discuss materials</p> <p>L.O: I can build a catapult</p> <p>L.O: I can build a catapult and test it</p> <p>L.O: I can evaluate my catapult and discuss possible amendments</p>	Not taught this term	<p>Balanced Diet - Food project – Tropical fruit cocktail</p> <p>LO: I can research a food product. LO: I can design my food product LO: I can make my food product. LO: I can evaluate my food product.</p>
<b>Year 6</b>	NO DT project in TERM 1	<p>FLAPJACK MAKING</p> <p>LO: I can analyse and evaluate the nutritional value of foods.</p>	Not taught this term	Not taught this term	Mobile Phone Cases	<p>ELECTRIC VEHICLES</p> <p>LO:I can research electric vehicles</p>

		<p>LO: I can plan my own recipe for a high energy food.</p> <p>LO: I can design packaging to appeal to a target audience. LO: I can make high energy food according to a recipe.</p> <p>LO: I can evaluate my flapjacks based upon a design criteria.</p> <p>CHRISTMAS CARDS</p> <p>LO: I can research and create a design for an embroidered Christmas card</p> <p>LO: I can make an embroidered festive card</p> <p>LO: I can evaluate my festive card</p>			<p>LO: I can research mobile phone cases.</p> <p>LO: I can design a mobile phone case.</p> <p>LO: I can experiment with different stitches.</p> <p>LO: I can make a mobile phone case.</p> <p>LO: I can review and evaluate my mobile phone case.</p>	<p>LO:I can research electric vehicles</p> <p>L.O: I can work collaboratively to follow instructions.</p> <p>L.O: I can measure accurately to build a frame.</p> <p>LO: I can test and evaluate my electric car.</p> <p>L.O: I can work collaboratively to follow instructions.</p> <p>L.O: I can measure accurately to build a frame.</p> <p>LO: I can test and evaluate my electric car.</p>
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