

YEAR 4 DT PROGRESS MAP

Year 4			
Concept	Autumn	Spring	Summer
	Food Apple Crumble	Textiles Cushion	Electronics Make a torch
<u>Famous inventor/ designer.</u>	Pierre Herme	Claudia Owen	Ingo Maurer
<u>Design</u>	<p>Improve upon existing designs, giving reasons for choices. Disassemble products to understand how they work. Design with purpose by identifying opportunities to design. Make products by working efficiently (such as by carefully selecting materials). Refine work and techniques as work progresses, continually evaluating the product design. To produce an exploded diagram, clearly showing the circuit diagram.</p>		
<u>Make</u>	Prepare ingredients hygienically using appropriate utensils. Measure ingredients to the nearest gram accurately. Follow a recipe. Assemble or cook ingredients (controlling the temperature of the oven or hob, if cooking)	Understand the need for a seam allowance. Join textiles with appropriate stitching. Select the most appropriate techniques to decorate textiles.	Create series and parallel circuits. To understand the basic components used in a circuit diagram.
		<u>Materials</u> Cut materials accurately and safely by selecting appropriate tools. Measure and mark out to the nearest millimetre. Apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut outs). Select appropriate joining techniques	
<u>Evaluate</u>	To evaluate their ideas and products against their own criteria and consider the views of others to o improve their work. Evaluate an existing product and own product and suggest improvements. To talk about what went well with their design against the design criteria. How would the intended user evaluate the design/ product? How would you improve your product?		
<u>Technical knowledge</u>	Explore and use some of the healthy principles of a healthy and varied diet. Explore seasonality and know how food is grown. To include simple calculations	To be able to explain 3 different stitches and their uses.	To understand and use electrical systems in their products.

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	involving ratios of ingredients to scale up or down from a recipe.		
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