



D&T Overview

[*Link to NC](#)

Year 1 Long Term Plan					
Art	<u>Textiles:</u> Design and make a Christmas stocking using a basic running stitch. - Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing].	Art	<u>Cooking & Nutrition:</u> Healthy fruit – what fruit would you choose for a fruit salad or smoothie. - Use basic principles of a healthy and varied diet to prepare dishes. - Understand where food comes from.	Art	<u>Mechanism:</u> How do wheels move? Design and make a moving vehicle. - Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.
Year 2 Long Term Plan					

Art	<u>Structure:</u> What makes a building stable and strong? - Explore and a range of existing products.	Art	<u>Textiles:</u> Design and make a felt hat for a teddy using 2D shapes and a basic running stitch. - Select from and use a range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining, and finishing).	Art	<u>Cooking & Nutrition:</u> Healthy food – How can we make a healthy packed lunch thinking of the food groups? - Use basic principles of a healthy and varied diet to prepare dishes.
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<u>Structure:</u> Design and make an Anglo-Saxon brooch using clay and etching tools. - Understand how key events and individuals in design and technology have helped shape the world.	Art	Art	<u>Textiles:</u> Design and make food packaging. - Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.	Art	<u>Mechanism:</u> How can we make a book pop up or have moving parts. - Annotate sketches, crosssectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.
Year 4 Long Term Plan					
	<u>Mechanism (Electrical system):</u> Design and make a torch – who is it for and what features does it need.		<u>Textiles:</u> Design and make a small pouch, select a basic running stitch or an over stitch.		<u>Cooking & Nutrition:</u> Healthy food – How can we make a healthy pizza? - Understand and apply

	- Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors].		- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.		principles of a healthy and varied diet.
Year 5 Long Term Plan					

<u>Textiles:</u> Design a logo and print it onto a form of clothing thinking of target market. - Investigate and analyse a range of existing products.	Art	Art	<u>Cooking & Nutrition:</u> Celebrating food – What types of bread are made around the world? - Understand and apply principles of a healthy and varied diet. - Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught, and processed.	Art	<u>Mechanism:</u> Constructing a catapult. - Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at individuals or groups.
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Art	<u>Mechanism</u> <u>(Electrical system):</u> Electronic greetings cards – can you make a light up Christmas card? - Understand and use electrical systems in their products. - Understand and use mechanical systems in their products.	Art	<u>Structure:</u> Design and make a marble run. - Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.	Art	<u>Cooking & Nutrition:</u> Global food – What recipes can we learn to make from a country in the world? - Prepare and cook variety of predominantly savoury dishes using a range of cooking techniques. - Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.
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