



## Design and Technology Progression Map 2022-2023



	Nursery	Reception	Year 1/2	Year 1/2	Year 3/4	Year 3/4	Year 5/6	Year 5/6
Design	<p><b>As a Nursery design and technologist:</b></p> <p>I am starting to create items of personal interest and use the environment/ images to support the decision of what to make</p> <p>I can say what I am going to make before doing.</p> <p>I create objects for a given purpose (for play or given functionality)</p>	<p><b>As a Reception design and technologist:</b></p> <p>I create items of personal interest and use the environment/ images to support the decision of what to make.</p> <p>I can say what I am going to make before doing so and what it will look like.</p> <p>I create objects for a given purpose (for play or given functionality)</p>	<p><b>As a Year 1 design and technologist:</b></p> <p>I use own ideas to design something</p> <p>I describe how own idea works</p> <p>I design a product which moves explain to someone else how they want to make their product</p> <p>Make a simple plan before making</p>	<p><b>As a Year 2 design and technologist:</b></p> <p>I think of an idea and plan what to do next</p> <p>I explain why they have chosen specific textiles</p>	<p><b>As a Year 3 design and technologist:</b></p> <p>I put together a plan which shows the equipment and tools I need</p> <p>I prove that a design meets a set criteria.</p> <p>I design a product and make sure that it looks attractive</p> <p>I choose a material for both its suitability and its appearance</p>	<p><b>As a Year 4 design and technologist:</b></p> <p>I use ideas from other people when designing</p> <p>I produce a plan and explain it</p> <p>I persevere and adapt work when original ideas do not work</p> <p>I communicate ideas in a range of ways, including by sketches and drawings which are annotated</p>	<p><b>As a Year 5 design and technologist:</b></p> <p>I come up with a range of ideas after collecting information from different sources</p> <p>I produce a detailed, step-by-step plan explain how a product will appeal to a specific audience</p> <p>I design a product that requires pulleys or gears</p>	<p><b>As a Year 6 design and technologist:</b></p> <p>I use market research to inform plans and ideas.</p> <p>I follow and refine original plans</p> <p>I justify planning in a convincing way</p> <p>I show that culture and society is considered in plans and designs</p>

Make	<p><b>As a Nursery design and technologist:</b></p> <p>I with support use large scale simple construction to create simple models (Duplo)?</p> <p>I start to use glue papers effectively, using a glue stick?</p> <p>I use a variety of construction materials skilfully and with confidence?</p> <p>I manipulate material with some skill, folding, twisting etc.?</p>	<p><b>As a Reception design and technologist:</b></p> <p>I use large scale simple construction to create simple models (Duplo)?</p> <p>I use/hold scissors correctly? Can I glue papers effectively, using a glue stick?</p> <p>I cut out more complicated shapes independently with some skill?</p> <p>I use a variety of construction materials skilfully and with confidence? Can I manipulate material with some skill, folding, twisting etc.?</p>	<p><b>As a Year 1 design and technologist:</b></p> <p>I am beginning to refine and improve the design as my work progresses?</p> <p>I use own ideas to make something</p> <p>I make a product which moves</p> <p>I choose appropriate resources and tools</p>	<p><b>As a Year 2 design and technologist:</b></p> <p>I make products, refining the design as my work progresses?</p> <p>I choose tools and materials and explain why they have chosen them</p> <p>I join materials and components in different ways measure materials to use in a model or structure</p>	<p><b>As a Year 3 design and technologist:</b></p> <p>I follow a step-by-step plan, choosing the right equipment and materials select the most appropriate tools and techniques for a given task make a product which uses both electrical and mechanical components work accurately to measure, make cuts and make holes</p>	<p><b>As a Year 4 design and technologist:</b></p> <p>I measure and mark out to the nearest millimetre?</p> <p>I know which tools to use for a particular task and show knowledge of handling the tool</p> <p>I know which material is likely to give the best outcome measure accurately</p>	<p><b>As a Year 5 design and technologist:</b></p> <p>I use a range of tools and equipment competently</p> <p>I make a prototype before making a final version</p> <p>I make a product that relies on pulleys or gears</p>	<p><b>As a Year 6 design and technologist:</b></p> <p>I know which tool to use for a specific practical task</p> <p>I know how to use any tool correctly and safely</p> <p>I know what each tool is used for explain why a specific tool is best for a specific action</p>
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Evaluate	<p><b>As a Nursery design and technologist:</b></p> <p>I explain how I made my product?</p> <p>I talk about what I like and what I dislike about my design?</p> <p>I sometimes say what I would change about my design?</p>	<p><b>As a Reception design and technologist:</b></p> <p>I explain the process</p> <p>I went through and discuss the choices I made?</p> <p>I talk about what I like and what I dislike about my design?</p> <p>I say what I would change about my design?</p>	<p><b>As a Year 1 design and technologist:</b></p> <p>Describe how something works explain what works well and not so well in the model they have made</p>	<p><b>As a Year 2 design and technologist:</b></p> <p>I explain what went well with their work</p>	<p><b>As a Year 3 design and technologist:</b></p> <p>I practise my evaluation skills by evaluating existing products?</p> <p>I explain how to improve a finished model know why a model has or has not been successful</p>	<p><b>As a Year 4 design and technologist:</b></p> <p>I identify some of the great designers in some areas of study to generate ideas for designs.</p> <p>I evaluate and suggest improvements for design evaluate products for both their purpose and appearance</p> <p>Explain how the original design has been improved present a product in an interesting way</p>	<p><b>As a Year 5 design and technologist:</b></p> <p>I suggest alternative plans; outlining the positive features and draw backs evaluate appearance and function against original criteria</p>	<p><b>As a Year 6 design and technologist:</b></p> <p>I know how to test and evaluate designed products explain how products should be stored and give reasons evaluate product against clear criteria</p>
Technical Knowledge	<p><b>As a Nursery design and technologist:</b></p> <p>I am beginning to use my understanding of materials and their properties to strengthen, stiffen or reinforce products?</p>	<p><b>As a Reception design and technologist:</b></p> <p>I am beginning to use my understanding of materials and their properties to strengthen, stiffen or reinforce products?</p>	<p><b>As a Year 1 design and technologist:</b></p> <p>I make my own model stronger</p>	<p><b>As a Year 2 design and technologist:</b></p> <p>I make a model stronger and more stable use wheels and axles, when appropriate to do so</p>	<p><b>As a Year 3 design and technologist:</b></p> <p>I know how to strengthen a product by stiffening a given part or reinforce a part of the structure</p> <p>I use a simple IT program within the design</p>	<p><b>As a Year 4 design and technologist:</b></p> <p>I link scientific knowledge by using lights, switches or buzzers</p> <p>I use electrical systems to enhance the quality of the product use IT where appropriate to add to the quality of the product</p>	<p><b>As a Year 5 design and technologist:</b></p> <p>I links scientific knowledge to design by using pulleys or gears</p> <p>I use more complex IT program to help enhance the quality of the product produced</p>	<p><b>As a Year 6 design and technologist:</b></p> <p>I use electrical systems correctly and accurately to enhance a given product</p> <p>I know which IT product would further enhance a specific product</p> <p>I use knowledge to improve a made product by strengthening, stiffening or reinforcing</p>

Cooking and Nutrition	<b>As a Nursery design and technologist</b>	<b>As a Reception design and technologist</b>	<b>As a Year 1 design and technologist:</b>	<b>As a Year 2 design and technologist:</b>	<b>As a Year 3 design and technologist:</b>	<b>As a Year 4 design and technologist:</b>	<b>As a Year 5 design and technologist:</b>	<b>As a Year 6 design and technologist:</b>
	I start to talk about a healthy diet?	I talk about a healthy diet?	Cut food safely	Weigh ingredients to use in a recipe	Describe how food ingredients come together	Know how to be both hygienic and safe when using food	Be both hygienic and safe in the kitchen	Explain how food ingredients should be stored and give reasons work within a budget to create a meal
	I talk about what I like and dislike?	I talk about what I like and dislike?		Describe the ingredients used when making a dish or cake	Weigh out ingredients and follow a given recipe to create a dish	Bring a creative element to the food product being designed	Know how to prepare a meal by collecting the ingredients in the first place	I understand the difference between a savoury and sweet dish
	I begin to follow a recipe with support?	I begin to follow a recipe with support?			Can talk about which food is healthy and which food is not		Know which season various foods are available for harvesting	
	I start to show understanding safety when cooking ingredients?	I show understanding safety when cooking ingredients?			Know when food is ready for harvesting			