

D&T Planning Overview

	Nursery	Reception	Year 1	Year 2
Autumn	<p><u>To become a Dynamic Designer</u> <i>Expressive Arts and Design</i></p> <p>Make simple models (house for bugs). Make 3D bugs – spiders</p> <p>Continual provision – to include building materials for self-exploration and discovery linked to class topics and learning.</p>	<p><u>To become a Dynamic Designer</u> <i>Expressive Arts and Design</i></p> <p>Make simple models (house for bugs). Make 3D bugs – spiders</p> <p>Continual provision – to include building materials for self-exploration and discovery linked to class topics and learning.</p>	<p><u>Stable Structures</u></p> <p>Design and build a stable structure Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas</p> <p>Select from and use a range of tools and Select from and use a wide range of materials and components, ingredients</p> <p>Explore and evaluate a range of existing products Evaluate their ideas and products against design criteria</p> <p>Build structures, exploring how they can be made stronger, stiffer and more stable</p>	<p><u>Puppets</u></p> <p>Design and make a puppet Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas</p> <p>Select from and use a range of tools and equipment to perform practical tasks Select from and use a wide range of materials and components, ingredients</p> <p>Explore and evaluate a range of existing products Evaluate design and final product against design criteria</p>
Spring	<p><u>To become a Dynamic Designer</u> <i>Expressive Arts and Design</i></p> <p>Join materials together (i.e., flour and water).</p> <p>Continual provision – to include building materials for self-exploration and discovery linked to class topics and learning.</p>	<p><u>To become a Dynamic Designer</u> <i>Expressive Arts and Design</i></p> <p>Join materials together (i.e., flour and water).</p> <p>Continual provision – to include building materials for self-exploration and discovery linked to class topics and learning.</p>	<p><u>Eat More fruit and veg</u></p> <p>Design a recipe to include fruit and/or vegetables. Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas</p> <p>Select from and use a range of tools and Select from and use a wide range of materials and components, ingredients</p> <p>Explore and evaluate a range of existing products Use the basic principles of a healthy and varied diet to prepare dishes Understand where food comes from</p>	<p><u>Perfect Pizzas</u></p> <p>Design and create a pizza Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas</p> <p>Select from and use a range of tools and Select from and use a wide range of materials and components, ingredients</p> <p>Explore and evaluate a range of existing products Use the basic principles of a healthy and varied diet to prepare dishes Understand where food comes from</p>
Summer	<p><u>To become a Dynamic Designer</u> <i>Expressive Arts and Design</i></p> <p>Continual provision – to include building materials for self-exploration and discovery linked to class topics and learning.</p>	<p><u>To become a Dynamic Designer</u> <i>Expressive Arts and Design</i></p> <p>Continual provision – to include building materials for self-exploration and discovery linked to class topics and learning.</p>	<p><u>Vehicles</u></p> <p>Design and make a vehicle Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas</p> <p>Select from and use a range of tools and Select from and use a wide range of materials and components, ingredients</p> <p>Explore and evaluate a range of existing products Explore and use mechanisms Evaluate their ideas and products against design criteria</p>	<p><u>Moving Mini Beasts</u></p> <p><u>Design and build a moving model</u> Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas</p> <p>Select from and use a range of tools and Select from and use a wide range of materials and components, ingredients</p> <p>Explore and evaluate a range of existing products Explore and use mechanisms Evaluate their ideas and products against design criteria</p>

D&T Planning Overview

	Year3	Year 4	Year 5	Year 6
Autumn	<p><u>Pop Up Storybooks</u> Research and develop design criteria to inform the design of innovative and functional products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and techniques Select from and use a wider range of materials and components, including construction materials Investigate and analyse a range of existing products Evaluate their ideas and products against their own design criteria Understand and use mechanical systems in their products</p>	<p><u>Light up sign</u> Research and develop design criteria to inform the design of innovative and functional products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and techniques Select from and use a wider range of materials and components, including construction materials Investigate and analyse a range of existing products Evaluate their ideas and products against their own design criteria Understand and use electrical systems in their products</p>	<p><u>Fashions and Textiles</u> Research and develop design criteria to inform the design of innovative and functional products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and techniques Select from and use a wider range of materials and components, including construction materials Investigate and analyse a range of existing products Evaluate their ideas and products against their own design criteria</p>	<p><u>Burgers</u> CC: Healthy Eating/My Healthy Year Research and develop design criteria to inform the design of innovative and functional products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and techniques Prepare and cook a 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 Understand and apply the principles of a healthy and varied diet Evaluate their ideas and products against their own design criteria</p>
Spring	<p><u>Seasonal food</u> CC: Science Plants and growth Research and develop design criteria to inform the design of innovative and functional products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and techniques Prepare and cook a 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 Understand and apply the principles of a healthy and varied diet Evaluate their ideas and products against their own design criteria</p>	<p><u>Cooking – Healthy lifestyles</u> Research and develop design criteria to inform the design of innovative and functional products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and techniques Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques Understand and apply the principles of a healthy and varied diet Adapt recipes to meet a set budget and criteria. Evaluate their ideas and products against their own design criteria</p>	<p><u>Greek Food</u> Research and develop design criteria to inform the design of innovative and functional products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and techniques Prepare and cook a 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 Understand and apply the principles of a healthy and varied diet Evaluate their ideas and products against their own design criteria</p>	<p><u>Programming Pioneers</u> (Possibly in Summer term) Research and develop design criteria to inform the design of innovative and functional products Generate, develop, model and communicate their ideas Select from and use a wider range of tools and techniques Select from and use a wider range of materials and components, including construction materials Investigate and analyse a range of existing products Understand how key events and individuals in design and technology have helped shape the world Apply their understanding of computing to program, monitor and control their products Evaluate their ideas and products against their own design criteria</p>

D&T Planning Overview

Summer	<p style="text-align: center;"><u>Whole School Project</u></p> <p>Research and develop design criteria to inform the design of innovative and functional products</p> <p>Generate, develop, model and communicate their ideas</p> <p>Select from and use a wider range of tools and techniques</p> <p>Select from and use a wider range of materials and components, including construction materials</p> <p>Investigate and analyse a range of existing products</p> <p>Evaluate their ideas and products against their own design criteria</p> <p>Understand how to strengthen, stiffen and reinforce more complex structures</p>	<p style="text-align: center;"><u>Make do and mend (juggling balls)</u></p> <p>Research and develop design criteria to inform the design of innovative and functional products</p> <p>Generate, develop, model and communicate their ideas</p> <p>Select from and use a wider range of tools and techniques</p> <p>Select from and use a wider range of materials and components, including construction materials</p> <p>Investigate and analyse a range of existing products</p> <p>Evaluate their ideas and products against their own design criteria</p>	<p style="text-align: center;"><u>Building Bridges</u></p> <p>Research and develop design criteria to inform the design of innovative and functional products</p> <p>Generate, develop, model and communicate their ideas</p> <p>Select from and use a wider range of tools and techniques</p> <p>Select from and use a wider range of materials and components, including construction materials</p> <p>Investigate and analyse a range of existing products</p> <p>Understand how key events and individuals in design and technology have helped shape the world</p> <p>Understand how to strengthen, stiffen and reinforce more complex structures</p> <p>Evaluate their ideas and products against their own design criteria</p>	<p style="text-align: center;"><u>Whole school Project</u></p> <p>Research and develop design criteria to inform the design of innovative and functional products</p> <p>Generate, develop, model and communicate their ideas</p> <p>Select from and use a wider range of tools and techniques</p> <p>Select from and use a wider range of materials and components, including construction materials</p> <p>Investigate and analyse a range of existing products</p> <p>Evaluate their ideas and products against their own design criteria</p> <p>Understand how to strengthen, stiffen and reinforce more complex structures</p>
---------------	--	--	--	--

