

Curriculum Map for Design & Technology

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS						
1	<p><u>Memory Box</u></p> <p><i>Memory boxes</i></p> <p>To use drawing, painting and sculpture to develop and share their ideas, experiences and imagination</p> <p>To use a range of materials creatively to design and make products</p> <p>Use the basic principles of a healthy and varied diet to prepare dishes.</p> <p>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>	<p><u>Moon Zoom</u></p> <p>Design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>Explore and evaluate a range of existing products.</p> <p>Explore and use mechanisms</p> <p>Generate, develop, model and communicate their ideas through talking, drawing, templates, mock ups and where appropriate, ICT</p>	<p><u>Bright Lights, Big city</u></p> <p>Explore and use mechanisms</p> <p>Explore structures and How they can be made Stronger, stiffer and More stable.</p> <p>Find out where food Comes from</p> <p>Design purposeful, functional, appealing products for themselves and other users based on design criteria</p> <p>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>	<p><u>Dinosaur Planet</u></p> <p>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p> <p>Design purposeful, functional, appealing products for themselves and other users based on design criteria.</p>	<p><u>Splendid Skies</u></p> <p>Design purposeful, functional, appealing products for themselves and other users based on design criteria select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>	<p><u>Superheroes</u></p> <p>Explore structures and How they can be made Stronger, stiffer and More stable.</p> <p>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>

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<p>2</p>	<p><u>Land Ahoy!</u> Mechanisms; structures DT TK2 Explore and use mechanisms(eg. Levers, sliders, wheels and axles), in their products DT M 1 Selects from and use a range of tools and equipment to perform practical tasks (eg. Cutting, shaping, joining and finishing) DT TK 1 Build structures, exploring how they can be made stronger, stiffer and more stable. DT E 2 Evaluate their ideas and products against design criteria</p>	<p><u>Beat Band Boogie</u> DT M 2 Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics. DT E 2 Evaluate their ideas and products against design criteria</p>	<p><u>Muck, Mess and Mixtures</u> DT E 1 Explore and evaluate a range of existing products. DT CN 2 Understand where food comes from. DT CN 1 Use the basic principles of a healthy and varied diet to prepare dishes. DT M 2 Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics. DT M 1 Select from and use a range of tools and equipment to perform practical tasks.</p>	<p><u>Wriggle and Crawl</u> DT CN 2 Understand where food comes from. DT M 2 Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.</p>	<p><u>Towers, Tunnels and Turrets</u> DT M 2 Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics. DT TK 1 Build structures, exploring how they can be made stronger, stiffer and more stable. DT E 2 Evaluate their ideas and products against design criteria.</p>	<p><u>The Scented Garden</u> DT M 1 Selects from and use a range of tools and equipment to perform practical tasks (eg. Cutting, shaping, joining and finishing)</p>
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<p>3</p>	<p><u>Gods and Mortals</u></p> <p>X</p>	<p><u>Scrumdiddlyumptious!</u></p> <p><i>Research different biscuit designs and draw their own design</i></p> <p>Design 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</p> <p>generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Make select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>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</p> <p>Evaluate investigate and analyse a</p>	<p><u>Tremors</u></p> <p><i>3D Volcanoes</i></p> <p>Make Select from and use a range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.</p> <p>Technical Knowledge Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.</p>	<p><u>Mighty Metals</u></p> <p><i>Levers</i></p> <p>Technical Knowledge understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]</p> <p>understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]</p> <p>apply their understanding of computing to program, monitor and control their products.</p>	<p><u>Urban Pioneers</u></p> <p>X</p>	<p><u>Predator!</u></p> <p><i>Collage of favourite predator</i></p> <p>Make Select and use from a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</p>
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		<p>range of existing products</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>understand how key events and individuals in design and technology have helped shape the world</p> <p>Technical knowledge apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p><i>Baking Biscuits</i></p> <p>principles of a healthy and varied diet</p> <p>prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p>				
4	<p>Burps, Bottoms and Bile</p> <p><i>Making a digestive system</i></p> <p>Make</p> <p>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</p>	<p>1066</p> <p><i>Making a tapestry</i></p> <p>Make</p> <p>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</p>	<p>Potions</p> <p>X</p>	<p>Misty Mountain Sierra</p> <p>X</p>	<p>Playlist</p> <p><i>Making instruments</i></p> <p>Design</p> <p>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</p> <p>generate, develop, model and communicate their ideas through discussion,</p>	<p>Road Trip USA</p> <p><i>Making dream catchers</i></p> <p>Design</p> <p>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</p> <p>generate, develop, model and</p>

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					<p>annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Make select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>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</p> <p>Evaluate investigate and analyse a range of existing products</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>understand how key events and individuals in design and technology have helped shape the world</p> <p>Technical knowledge apply their understanding of how to strengthen, stiffen and reinforce</p>	<p>communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Make select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>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</p> <p>Evaluate investigate and analyse a range of existing products</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>understand how key events and individuals in design and technology have helped shape the world</p> <p>Technical knowledge apply their understanding of how to strengthen,</p>
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					more complex structures	<p>stiffen and reinforce more complex structures</p> <p><i>Making American dishes</i></p> <p>understand and apply the principles of a healthy and varied diet</p> <p>prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p>
5	<p><u>Pharaohs</u></p> <p><i>Egyptian food</i></p> <p>understand and apply the principles of a healthy and varied diet</p> <p>prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p> <p>understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</p> <p><i>model tombs and pyramids(rods)</i></p> <p>Technical knowledge</p> <p>apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p>	<p><u>Off with her Head</u></p> <p>X</p>	<p><u>Scream Machine</u></p> <p><i>Mechanisms – Fairground rides with moving parts</i></p> <p>Design</p> <p>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</p> <p>generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Make</p> <p>select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and</p>	<p><u>Time Traveller</u></p> <p>X</p>	<p><u>Stargazers</u></p> <p>X</p>	<p><u>Allotment</u></p> <p><i>Cooking and nutrition</i></p> <p>understand and apply the principles of a healthy and varied diet</p> <p>prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p> <p>understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</p> <p><i>Making planters/structures for growing plants; sheds and greenhouses</i></p> <p>Design</p> <p>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</p> <p>generate, develop, model and</p>

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			<p>finishing], accurately</p> <p>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</p> <p>Evaluate</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>understand how key events and individuals in design and technology have helped shape the world</p> <p>Technical knowledge</p> <p>apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p>understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]</p> <p>understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]</p> <p>apply their understanding of computing to program, monitor and control</p>			<p>communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Make</p> <p>select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>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</p> <p>Evaluate</p> <p>investigate and analyse a range of existing products</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>understand how key events and individuals in design and technology have helped shape the world</p> <p>Technical knowledge</p> <p>apply their understanding of how to strengthen,</p>
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			their products.			stiffen and reinforce more complex structures
6	<p><u>Children at War</u></p> <p><i>Making Anderson shelters</i></p> <p>Design 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</p> <p>generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Make select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>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</p> <p>Evaluate investigate and analyse a</p>	<p><u>Darwin evolution / Shakespeare</u></p> <p>X</p>	<p><u>Frozen Kingdoms</u></p> <p>X</p>	<p><u>Circulation/ The Heart</u></p> <p><i>Making a moving model of a heart</i></p> <p>Design generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Make select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</p> <p>Technical knowledge understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]</p> <p>apply their understanding of computing to program,</p>	<p><u>Habitats and Adaptations</u></p> <p>X</p>	<p><u>ID</u></p> <p><i>Make a T-shirt reflecting your identity</i></p> <p>Make 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</p>

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	<p>range of existing products</p> <p>evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>understand how key events and individuals in design and technology have helped shape the world</p> <p>Technical knowledge</p> <p>apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p><i>Making food with rations</i></p> <p>understand and apply the principles of a healthy and varied diet</p> <p>prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p>			<p>monitor and control their products.</p> <p><i>Heart healthy cooking</i></p> <p>understand and apply the principles of a healthy and varied diet</p> <p>prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p>		
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