



Long term planning overview

Design Technology 2024-2025

Caring, Learning, Growing.



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	DT is embedded in the daily lives of the children in our EYFS. Children have the freedom to learn through play and their creations are celebrated and used. Children have endless possibilities to participate in construction using a wide range of materials such as large-scale wooden blocks, soft bricks etc. Children are encouraged to discuss their current project and through this discussion, they evaluate the product's usefulness and justify their choice of materials. EYFS encourage the children to try-out different foods and give the children opportunities to share their thoughts, developing key vocabulary.					
Yr 1		<p><i>Mechanisms</i></p> <p>Sliders and Levers- (Christmas cards)</p> <p>Children will explore sliders, levers, pivots and wheel mechanisms and how they can be used to make different parts of a picture move. Children will use their knowledge and skills to create a moving Christmas card.</p>		<p><i>Structures</i></p> <p>Stable Structures</p> <p>Children will have the opportunity to create their own structure as they follow plans, adapt plans and think about the purpose of their product.</p>		<p><i>Cooking and Nutrition</i></p> <p>Eat More Fruit and Veg</p> <p>Children will explore a variety of fruits and vegetables, what they look like, taste like and feel like, as well as how to prepare fruits and vegetables through cutting, grating, peeling and more. They will then have the challenge of designing, making and evaluating their own fruit/vegetable salad.</p>
Yr 2		<p><i>. Textiles</i></p> <p>Puppets</p> <p>Child will find out how to work with fabric to create their own puppets. Starting off by looking at simple finger puppets, children will then develop and refine their sewing skills before designing, creating and evaluating their own glove puppets.</p>		<p><i>Cooking and Nutrition</i></p> <p>Dips and Dippers</p> <p>Children will learn about good food hygiene rules and using kitchen equipment to prepare food safely. Children will apply these skills when making and evaluating a healthy dip and dippers. Children will explore the 'eatwell' plate and the importance of eating a healthy and varied diet</p>		<p><i>Mechanisms</i></p> <p>Wheels and Axels: Vehicles</p> <p>Children will investigate a variety of different vehicles before designing, making and evaluating their own vehicle. They will learn all about wheels, axles and chassis and how they are combined to make the framework of the vehicle, as well as how to create an eye-catching body.</p>

<p>Yr 3</p>	<p><i>Structures</i></p> <p>Packaging</p> <p>Children will learn about the design, function and purpose of a variety of types of packaging. They will examine familiar food packaging before looking at how 3D nets can be used to make packaging boxes, and how graphics and fonts enhance a product.</p>			<p><i>Cooking and Nutrition</i></p> <p>Sandwich Snacks</p> <p>Children will explore different food groups and learn how to translate these into healthy, balanced sandwiches. Children will taste and test a variety of sandwich fillings and types of bread, then challenge your children to design, make, eat and evaluate their own healthy sandwich snacks!</p>		<p><i>Mechanisms</i></p> <p>Levers and linkages (Mechanical Posters)</p> <p>Children will develop their understanding of mechanical systems. Following instructions on how to make different types of lever and linkage mechanisms children will sketch a design. They will go on to make a prototype and then create their 'Lever and Linkage Poster' using the context of recycling.</p>
<p>Yr 4</p>		<p><i>Textiles</i></p> <p>Money Containers</p> <p>Children will explore a range of money containers and go on to design, make and evaluate their own. Children will sew using a range of different stitches.</p>		<p><i>Cooking and Nutrition</i></p> <p>Seasonal foods</p> <p>Children will learn about seasonal foods. Children will learn where various ingredients come from (grown, reared, caught, processed). They will go on to design, make and evaluate their own seasonal soup.</p>		<p><i>Electrical Systems</i></p> <p>Torches</p> <p>Children will explore different types of torches, the materials they are made out of and their varied uses, as well as investigating how torches work by creating simple circuits. Children will have the opportunity to design, make and evaluate their own torches.</p>
<p>Yr 5</p>		<p><i>Cooking and Nutrition</i></p> <p>Bread</p> <p>Children will taste and describe a variety of different breads from around the world. Children will learn about the different food groups and will plan their own healthy meals, which include a variety of different bread products. Next children will follow a basic bread recipe to make bread. Using this experience of making bread,</p>		<p><i>Mechanisms</i></p> <p>Cams- Toys</p> <p>Children learn about controlling movement with a cam mechanism as part of an automata animal. They make a simple cam mechanism to further their understanding of how different shaped cams can be used to produce different movements.</p>		<p><i>Structures</i></p> <p>Bridges</p> <p>Using materials such as card, paper or art straws, children will explore ways in which forces act on bridge structures, how they are constructed and how they are strengthened. As a group, child will design make and evaluate a variety of bridge designs.</p>

		children will design and follow their own bread recipe.				
Yr 6	<p>Textiles</p> <p>Make Do and Mend</p> <p>Children will explore a range of simple sewing stitches, including ways of recycling and repurposing old clothes and materials.</p>		<p><i>Cooking and Nutrition</i></p> <p>Burgers</p> <p>Children will follow a range of recipes to practise and improve their cooking skills. They will design, cook, taste and evaluate their own burgers, looking at ways they can combine flavours to produce a tasty and healthy meal.</p>		<p><i>Structures and Electronic Systems</i></p> <p>Fairground</p>	