

Corpus Christi Catholic Primary

Year 3

Design and Technology Curriculum Overview



	Autumn Topic	Spring Topic	Summer Topic
Topic	Textiles: Cushions	Food: Eating Seasonally	Structures: Constructing a castle
Skills to develop:	<ul style="list-style-type: none"> Select from and use a range of tools and equipment to perform practical tasks. Design purposeful, functional, appealing products for themselves and other users based on design criteria. Select from and use a range of tools and equipment to perform practical tasks. Select from and use a range of tools and equipment to perform practical tasks. 	<p><u>Cooking and nutrition</u></p> <ul style="list-style-type: none"> Understand and apply the principles of a healthy and varied diet. 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. 	<ul style="list-style-type: none"> Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]. Select from and use a wide range of materials and components, including construction materials, textiles and ingredients according to their characteristics. 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. Evaluate Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. Make Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] accurately.

			<ul style="list-style-type: none"> • Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic. • Technical knowledge Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.
<p>Key Learning/Sticky Knowledge</p>	<ul style="list-style-type: none"> • To know that appliqué is a way of mending or decorating a textile by applying smaller pieces of fabric. • To know that when two edges of fabric have been joined together it is called a seam. • To know that it is important to leave space on the fabric for the seam. • To understand that some products are turned inside out after sewing so the stitching is hidden. 	<ul style="list-style-type: none"> • To know that not all fruits and vegetables can be grown in the UK. • To know that climate affects food growth. • To know that vegetables and fruit grow in certain seasons. • To know that cooking instructions are known as a 'recipe'. • To know that imported food is food that has been brought into the country. • To know that exported food is food that has been sent to another country. • To understand that imported foods travel from far away and this can negatively impact the environment. • To know that each fruit and vegetable gives us nutritional benefits because they contain vitamins, minerals and fibre. 	<ul style="list-style-type: none"> • To understand that wide and flat based objects are more stable. • To understand the importance of strength and stiffness in structures. • To know the following features of a castle: flags, towers, battlements, turrets, curtain walls, moat, drawbridge and gatehouse – and their purpose. • To know that a façade is the front of a structure. • To understand that a castle needed to be strong and stable to withstand enemy attack. • To know that a paper net is a flat 2D shape that can become a 3D shape once assembled. • To know that a design specification is a list of success criteria for a product.

		<ul style="list-style-type: none"> • To understand that vitamins, minerals and fibre are important for energy, growth and maintaining health. • To know safety rules for using, storing and cleaning a knife safely. • To know that similar coloured fruits and vegetables often have similar nutritional benefits. 	
<i>Key Vocabulary</i>	Appliqué, cross-stitch, design, equipment, fabric, patch, running stitch, thread, seam, texture, knot	Climate, imported, natural, reared, seasonal, diet, ingredients, processed, recipes.	2D, 3D, Key Features, design, net, stiff, shape, structure, stable.
<i>Links to previous learning</i>	Textiles: Pouches – Year 2	Food: A balanced diet – Year 2	Traditional Tales – Year 1 Maths Geometry - Properties of Shapes – Y1 &2 Structures: Baby Bear’s chair – Year 2
<i>Cross Curricular Links</i>	Science - Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. RSHE- Principles of planning and preparing a range of healthy meals.	Geography - Describe and understand key aspects of: physical geography, including: the water cycle.	Maths Geometry – Properties of Shapes - Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.