

D.T. Year 4

Autumn	Spring	Summer
<p><u>Christmas Decoration</u></p> <p>The children will design and make a hanging Christmas decoration. They will research different hanging Christmas decorations using ICT. From this, they will then make a hanging Christmas decoration from felt, using different styles of stitches to securely fasten the decoration together. The children will then evaluate this decoration against the design criteria as well as its aesthetic appeal.</p> <p><u>Objectives:</u></p> <p>Design:</p> <ul style="list-style-type: none"> • Generate, develop, model and communicate their ideas. • 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>Make:</p> <ul style="list-style-type: none"> • Select from and use a wider range of tools and equipment to perform practical tasks accurately. • Select from and use a wider range of materials and components, (including textiles), according to their functional and aesthetic qualities. <p>Evaluate:</p> <ul style="list-style-type: none"> • Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. • Investigate and analyse a range of products. 	<p><u>Scones</u></p> <p>The children will study a block of food technology where they will study scones. They will begin by making a simple plain scone recipe before researching and modifying the recipe to create their own 'healthy' savoury scone. They will consider the origin of their ingredients, the processes they would go through and the availability of them according to the seasons.</p> <p><i>Maths Link:</i> Convert between different units of measure Estimate, compare and calculate different measures</p> <p><u>Objectives:</u></p> <p>Food Technology:</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. <p>Evaluate:</p> <ul style="list-style-type: none"> • Investigate and analyse a range of products. 	<p><u>The Locomotion – design and make a model train</u></p> <p>The children will research the different trains (diesel, steam, electric). They will then plan to create a train of their choice, compiling a list of resources needed. The children will use various media to create their train. Finally, the children will evaluate their models against their original design, suggesting how they could improve their train further.</p> <p><u>Objectives:</u></p> <p>Design:</p> <ul style="list-style-type: none"> • Use research and develop design criteria • Generate, develop, model and communicate their ideas <p>Make:</p> <ul style="list-style-type: none"> • Select from and use a wider range of tools to perform practical tasks • Select from and use a wide range of materials and components <p>Evaluate:</p> <ul style="list-style-type: none"> • Investigate and analyse products • Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. • Understand how key events and individuals in design and technology have helped shape the world. <p>Technical Knowledge:</p> <ul style="list-style-type: none"> • Understand and use mechanical systems in their products