

Design Technology

Year 3/4

Term 1

Cooking and Nutrition: Eating Seasonally

Vocab	Knowledge	Outcomes
<p>Climate Imported Natural Reared Seasonal Diet Ingredients Processed Recipe Seasons sugar</p>	<p>To know that not all fruits and vegetables can be grown in the UK.</p> <p>To know that climate affects food growth.</p> <p>To know that vegetables and fruit grow in certain seasons.</p> <p>To know that cooking instructions are known as a 'recipe'.</p> <p>To know that imported food is food that has been brought into the country.</p> <p>To know that exported food is food that has been sent to another country.</p>	<p>Explain that fruits and vegetables grow in different countries based on their climates.</p> <p>Understand that 'seasonal' fruits and vegetables are those that grow in a given season and taste best then.</p> <p>Know that eating seasonal fruit and vegetables has a positive effect on the environment.</p> <p>Design their own tart recipe using seasonal ingredients.</p> <p>Understand the basic rules of food hygiene and safety.</p> <p>Follow the instructions within a recipe.</p>

	<p>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.</p> <p>To understand that vitamins, minerals and fibre are important for energy, growth and maintaining health.</p> <p>To know safety rules for using, storing and cleaning a knife safely.</p> <p>To know that similar coloured fruits and vegetables often have similar nutritional benefits.</p>	
Term 2 Textiles – Egyptian Collars		
Vocab	Knowledge	Outcomes
appliqué cross-stitch fabric running stitch	To know that appliqué is a way of mending or decorating a textile by applying smaller pieces of fabric.	Demonstrate their ability to use cross-stitch as a decorative feature

<p>patch thread embellish template cotton silk polyester wrinkle tear water-resistant breathable matt shiny biodegrade pinking</p>	<p>To understand that a product's function relies on material choices.</p> <p>To identify and explain some materials and explain their aesthetic and/or functional properties.</p>	<p>or to join two pieces of fabric together.</p> <p>Develop appliqué designs based on design criteria.</p> <p>Design, cut and shape their template for an usekh/wesekh collar, with increasing accuracy.</p> <p>Decorate their Egyptian collar using a variety of techniques such as appliqué, cross-stitch, beads, buttons and pinking.</p> <p>Measure and attach a ribbon with a running stitch.</p> <p>Recognise different types and qualities of fabrics.</p> <p>Explain the aesthetic and/or functional properties of some of their material choices.</p>
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Term 3 Structures – Castles		
Vocab	Knowledge	Outcomes
2D 3D Castles Key Features Scorings Stable Strong Design Net Shape Stiff Structure	<p>To understand that wide and flat based objects are more stable.</p> <p>To understand the importance of strength and stiffness in structures.</p> <p>To know the following features of a castle: flags, towers, battlements, turrets, curtain walls, moat, drawbridge and gatehouse – and their purpose.</p> <p>To know that a façade is the front of a structure.</p> <p>To understand that a castle needed to be strong and stable to withstand enemy attack.</p> <p>To know that a paper net is a flat 2D shape that can become a 3D shape once assembled.</p>	<p>Draw and label a simple castle that includes the most common features.</p> <p>Recognise that a castle is made up of multiple 3D shapes.</p> <p>Design a castle with key features which satisfy a given purpose.</p> <p>Score or cut along lines on the net of a 2D shape.</p> <p>Use glue to securely assemble geometric shapes.</p> <p>Utilise skills to build a complex structure from simple geometric shapes.</p> <p>Evaluate their work by answering simple questions.</p>

	To know that a design specification is a list of success criteria for a product.	
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