



Design and Technology Long Term Plan

Year 3	Design	Make	Evaluate	Technical Knowledge	Cooking & Nutrition
Key Skills	<ul style="list-style-type: none"> • Generate ideas by drawing on their own and other people's experiences • Develop their design ideas through discussion, observation, drawing and modelling • Identify a purpose for what they intend to design and make • Identify simple design criteria • Make simple drawings and label parts 	<ul style="list-style-type: none"> • Begin to select tools and materials; use vocab' to name and describe them • Measure, cut and score with some accuracy • Use hand tools safely and appropriately • Assemble, join and combine materials in order to make a product • Cut, shape and join fabric to make a simple garment. Use basic sewing techniques • Choose and use appropriate finishing techniques 	<ul style="list-style-type: none"> • Evaluate against their design criteria • Evaluate their products as they are developed, identifying strengths and possible changes they might make • Talk about their ideas, saying what they like and dislike about them 	<ul style="list-style-type: none"> • Build models, exploring how they can be made stronger, stiffer and more stable. Investigate boats and terms e.g hull, struts, propeller, sail. • Explore and use mechanisms [for example, levers, pivots, linkages, 	<ul style="list-style-type: none"> • Use the basic principles of a healthy and varied diet to prepare dishes • Understand where food comes from • Follow safe procedures for food safety and hygiene • Chopping and preparing safely using appropriate utensils. • Weigh and measure ingredients
Assessment	<ul style="list-style-type: none"> • Can children select and name the tools needed to work the materials they are using? • Are ch able to select appropriate techniques explaining First.....Next.....Last.....? • Can children explore ideas by rearranging materials and using kits to build examples? • Can ch use drawings to record ideas as they are developed, adding notes and orally discussing? 	<ul style="list-style-type: none"> • Are children able to cut felt using a g template and use a running stitch to join? • Are ch able to make prototype vehicles with construction kits? • Can children fold, tear and cut paper/card to make a pop-up book? 	<ul style="list-style-type: none"> • Are children able to talk about their designs as they develop and identify good and bad points? • Can children discuss how closely their finished product meet their design criteria 	<ul style="list-style-type: none"> • Are children able to explain what a fixed or free turning axle is? • Can children suggest the difference between hinges and linkages? 	<ul style="list-style-type: none"> • Are ch able to measure and weigh food with support? • Can ch cut, peel, grate or chop a range of ingredients independently? • Are children able to explain how to work safely and hygienically?
Term	Content/unit/topic		Curriculum links	Key facts	Key vocab
Aut 1	Art term – see LTP				

Design and Technology Long Term Plan

<p>Aut 2</p>	<p>Kapow - Food: Eating Seasonally. Making tarts.</p> 	<p>History: Prehistoric Britain – hunter-gatherers Geography – food from around the world, food grown in the UK, climate and its effects on growing food</p>	<p>Investigate where food comes from and know that some foods are imported. Discover how climate effects the ability to grow certain fruit and vegetables. Know that certain fruit and vegetables are grown seasonally. Recipes are used to aid cooking.</p>	<p>Climate, dry climate, exported, imported, Mediterranean climate nutrients, Polar climate, recipe, seasonal food, seasons, temperate climate , tropical climate, hygiene</p>
<p>Spring 1</p>	<p>Art term – see LTP</p>			
<p>Spring 2</p>	<p>Kapow - Textiles: Cross stitch and applique. Egyptian Collars</p> 	<p>History: Ancient Egypt Geography: Locating Egypt on a map</p>	<p>Appliqué is a technique/way of mending or decorating a textile by applying smaller pieces of fabric. A product's function relies on material choices. Materials are important in a products aesthetic properties. Templates are used when designing/making. Stitching can be used to join/decorate materials. Pinking is a technique used to shape fabrics.</p>	<p>Plan, make, evaluate, appliqué, cross-stitch, fabric, running stitch, patch, thread, embellish, template, pinking</p>
<p>Summer 1</p>	<p>Art term – See LTP</p>			

Design and Technology Long Term Plan

<p>Summer 2</p>	<p>Kapow – Constructing a castle. Roman Forts</p> 	<p>History: Roman Britain Geography – Europe and city comparison of Manchester with Rome</p>	<p>Roman forts were typically rectangular with rounded corners & protected by palisades, ramparts, towers, & ditches. Roman forts were used to house soldiers. 3D shapes can be constructed from 2D nets. Tabs are used to connect structures.</p>	<p>2D, 3D, fort, design, key features, net, scoring, shape, stable, Stiff, strong, structure, tab</p>
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