

Year Group: 1 & 2	Term:	Subject: Design & Technology	
Key Vocabulary	Key Questions	Resources	Cross Curricular Links
<p>National Curriculum Objectives</p> <p>Pupils should be taught to:</p> <p>Design</p> <ul style="list-style-type: none"> • Design purposeful, functional, appealing products for themselves and other users based on design criteria • Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology <p>Make</p> <ul style="list-style-type: none"> • Select from and use a range of tools and equipment to perform practical tasks such as 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 <p>Evaluate</p> <ul style="list-style-type: none"> • Explore and evaluate a range of existing products • Evaluate their ideas and products against design criteria <p>Technical knowledge</p> <ul style="list-style-type: none"> • Build structure, exploring how they can be made stronger, stiffer and more stable • Explore and use mechanisms, such as levers, sliders, wheels and axels, in their products <p>Cooking and Nutrition</p> <ul style="list-style-type: none"> • Use the basic principles of a healthy and varied diet to prepare dishes • Understand where food comes from 			

Year A		
Unit 1	Unit 2	Unit 3
<p>Cooking and Nutrition</p> <ul style="list-style-type: none"> • Cut food safely 	<p>Design</p> <ul style="list-style-type: none"> • Use pictures and words to plan • Choose the best tools for the job and give a reason why <p>Technical Knowledge - Construction</p> <ul style="list-style-type: none"> • Select appropriate resources and tools <p>Technical Knowledge - Mechanisms</p> <ul style="list-style-type: none"> • Cut materials using scissors <p>Make</p> <ul style="list-style-type: none"> • Join materials together in different ways <p>Technical Knowledge - Use of materials</p> <ul style="list-style-type: none"> • Make their model stronger by using joining, folding or rolling <p>Evaluate</p> <ul style="list-style-type: none"> • Describe how something works 	<p>Technical Knowledge - Textiles</p> <ul style="list-style-type: none"> • Cut textiles • Join textiles together to make something
Year B		
Unit 1	Unit 2	Unit 3
<p>Cooking and Nutrition</p> <ul style="list-style-type: none"> • Wash hands and make sure surfaces are clean <p>Evaluate</p> <ul style="list-style-type: none"> • Talk about their own work and things that other people have done (e.g. What Went Well and Even Better If ...) 	<p>Design</p> <ul style="list-style-type: none"> • Describe their design using diagrams and models • Choose the best materials for the job and give a reason why <p>Technical Knowledge - Use of materials</p> <ul style="list-style-type: none"> • Make a structure/model using different materials <p>Make</p> <ul style="list-style-type: none"> • Join components together in different ways 	<p>Technical Knowledge - Textiles</p> <ul style="list-style-type: none"> • Describe how different textiles feel • Explain why they chose a certain textile

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	<p>Technical Knowledge - Mechanisms</p> <ul style="list-style-type: none">• Make a product which moves <p>Technical Knowledge - Construction</p> <ul style="list-style-type: none">• Incorporate movement into models	
<p>AFL opportunities:</p>		

Year Group: 3 & 4	Term:	Subject: Design & Technology	
Key Vocabulary	Key Questions	Resources	Cross Curricular Links
<p>National Curriculum Objectives</p> <p>Pupils should be taught to:</p> <p>Design</p> <ul style="list-style-type: none"> • 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, such as cutting, shaping, joining and finishing, accurately <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 <p>Technical knowledge</p> <ul style="list-style-type: none"> • Apply their understanding of how to strengthen, stiffen and reinforce more complex structures • Understand and use mechanical systems in their products such as gears, pulleys, cams, levers and linkages <p>Cooking and Nutrition</p> <ul style="list-style-type: none"> • Understand and apply the principles of a healthy and varied diet • Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed 			

Year A		
Unit 1	Unit 2	Unit 3
<p>Technical Knowledge - Textiles</p> <ul style="list-style-type: none"> • Join textiles of different types in different ways <p>Evaluate</p> <ul style="list-style-type: none"> • Explain changes which made their design even better 	<p>Technical Knowledge - Electrical and mechanical components</p> <ul style="list-style-type: none"> • Select the most appropriate tools and techniques to use for a given task <p>Make</p> <ul style="list-style-type: none"> • Show a good level of expertise when using a range of tools and equipment <p>Technical Knowledge - Stiff and flexible sheet materials</p> <ul style="list-style-type: none"> • Ensure that their product is strong and fit for purpose 	<p>Design</p> <ul style="list-style-type: none"> • Use a range of information to inform their design e.g. market research, culture, society. <p>Technical Knowledge - Mouldable materials</p> <ul style="list-style-type: none"> • Use a range of techniques to shape and mould • Use finishing techniques
Year B		
<p>Unit 1</p> <p>Cooking and Nutrition</p> <ul style="list-style-type: none"> • Set out to grow their own products with a view to making a salad, taking account of time required to grow different foods • Make sure that their product looks attractive and is presented in an interesting way • Describe what to do to be hygienic and safe 		
<p>AFL opportunities:</p>		

Year Group: 5 & 6	Term:	Subject: Design & Technology	
Key Vocabulary	Key Questions	Resources	Cross Curricular Links
<p>National Curriculum Objectives</p> <p>Pupils should be taught to:</p> <p>Design</p> <ul style="list-style-type: none"> • Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design <p>Make</p> <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 qualities <p>Evaluate</p> <ul style="list-style-type: none"> • Investigate and analyse a range of existing products • 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 electrical systems in their products, such as series circuits incorporating switches, bulbs, buzzers and motors • Apply their understanding of computing to programme, monitor and control their products <p>Cooking and Nutrition</p> <p>Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p>			

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Year A		
Unit 1	Unit 2	Unit 3
<p>Make</p> <ul style="list-style-type: none"> • Explain how their product will appeal to the audience <p>Technical Knowledge - Textiles</p> <ul style="list-style-type: none"> • Choose textiles for both their appearance and also qualities <p>Evaluate</p> <ul style="list-style-type: none"> • Evaluate appearance and function 	<p>Design</p> <ul style="list-style-type: none"> • Describe their design using an accurately labelled sketch <p>Technical Knowledge - Electrical and mechanical components</p> <ul style="list-style-type: none"> • Use a simple circuit, add things e.g. a switch 	<p>Technical Knowledge - Mouldable materials</p> <ul style="list-style-type: none"> • Consider the use of the product when selecting materials <p>Technical Knowledge - Stiff and flexible sheet materials</p> <ul style="list-style-type: none"> • Justify why they selected specific materials
Year B		
Unit 1		
<p>Cooking and Nutrition</p> <ul style="list-style-type: none"> • Choose the right ingredients for a product • Describe how their combined ingredients come together • Explain how the product should be stored with reasons 		
<p>AFL opportunities:</p>		