



Design and Technology: Coverage & Progression



Aim	Pupils should develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. Pupils should build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users. Pupils should critique, evaluate and test their ideas and products and the work of others. Pupils should understand and apply the principles of nutrition and learn how to cook.					
	KS1		LKS2		UKS2	
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Advent	<p>Structures Design, Make Evaluate</p> <p>Technical Knowledge: Build Structures, explore how they can be made strong, stiff & stable</p> <p>Playgrounds</p>	<p><u>Mechanisms</u> Design, Make Evaluate</p> <p><u>Technical Knowledge:</u> Wheels and Axels</p> <p>Explore and use mechanisms such as levers and sliders Wheels and Axels</p> <p>e.g.Moving Pictures & Vehicles</p>	<p><u>Mechanisms</u> Design, Make, Evaluate</p> <p><u>Technical Knowledge</u> Understand and use mechanical systems in their products levers and linkages Pneumatics</p> <p>e.g. Egyptian artefacts</p>	<p>Textiles Design, Make Evaluate</p> <p>Knowledge Select from and use a wider range of materials according to their functional properties and aesthetic qualities</p> <p>Toga etc</p>	<p><u>Textiles</u> Design, Make Evaluate</p> <p><u>Knowledge</u> Select and use materials accordig to their functional properties and aestheitic qualities</p> <p>e.g. Sandals</p>	<p>Cooking & Nutrition Design, Make Evaluate</p> <p>Knowledge Know where and how a variety of ingredients are grown, reared, caught and processed. Apply the principles of a healthy and varied diet & prepare and cook savoury dishes</p>
Lent	<p><u>Cooking & Nutrition</u> Design, Make Evaluate</p> <p><u>Knowledge</u> Understand where food comes from. Seasonal food grown in Gardens and School Allotment</p> <p>e.g. Outdoor Picnic</p>	<p><u>Cooking & Nutrition</u> Design, Make Evaluate</p> <p><u>Knowledge</u> Understand where food comes from. Use principles of healthy and varied diet to prepare dishes</p> <p>(Food around the world)</p>	<p>Structures Design, Make Evaluate</p> <p><u>Technical Knowledge</u> Apply their understanding of how to strengthen, stiffen and reinforce complex structures</p>	<p>Cooking & Nutrition Design, Make Evaluate</p> <p>Technical Knowledge Prepare & cook savoury dishes using a range of cooking techniques. Apply principles of a healthy and varied diet</p>	<p><u>Electrical System</u> Design, Make Evaluate</p> <p><u>Technical Knowledge</u> Undertand & use electrical systems in their products</p> <p>e.g. Quiz boards,rocket, car</p>	<p>Structures Design, Make Evaluate</p> <p><u>Technical Knowledge</u> Apply their understanding of how to strenghten, stiffen and reinforce complex structures</p> <p>Bridges</p>
Pentecost	<p><u>Textiles</u> Design, Make Evaluate</p> <p><u>Knowledge</u> Select from and use a wide range of materials and components including textiles according to their characteristics</p> <p>Puppets (Punch + Judy)</p>	<p><u>Structures</u> <u>Design, Make</u> <u>Evaluate</u></p> <p><u>Technical Knowledge</u> Build Structures, explore how they can be made strong, stiff & stable</p> <p>Houses (Great Fire of London)</p>	<p><u>Cooking & Nutrition</u> <u>Design, Make</u> <u>Evaluate</u></p> <p><u>Technical Knowledge</u> Prepare & cook savoury dishes using a range of cooking techniques.</p>	<p>Mechanisms Design, Make Evaluate</p> <p>Technical Knowledge Understand and use mechanical systems in their products</p> <p>Story books (Story books/ Non Fiction) Mountain rescue (pulleys and gears)</p>	<p><u>Cooking & Nutrition</u> Design, Make Evaluate <u>Knowledge</u></p> <p>Know where and how a variety of ingredients are grown, reared, caught and processed. Apply the principles of a healthy and varied diet & prepare and cook savoury dishes</p>	<p>Structures Design, Make Evaluate</p> <p><u>Technical Knowledge</u> Apply their understanding of how to strenghten, stiffen and reinforce complex structures</p> <p>Anderson Shelters</p>