



### Design and Technology at Furze Field Primary School

At Furze Field, we develop skills and knowledge in design and technology (D&T) through an independent child-led project in the summer term of each year. We also have an ‘enterprise’ week’ each summer term in which each class has a small budget with which to create items that are sold at the ‘maths market’.

We also introduce D&T, including cooking and textiles, into other subject areas including history, geography and our Forest School units which are always linked to other learning in the classroom. Examples of D&T linked to other subject areas include:

Year 1	Making houses for the ‘Three Little Pigs’ using straw, sticks and bricks; upcycling discarded items to create models of historical vehicles or toys.
Year 2	Making firework cookies in November; making dragons out of clay, edible ‘dragon tails’ using bannock mix wrapped around a stick and cooked on a campfire; making willow and tissue paper ‘dragon eggs’ all linked to learning in English; making scarecrows to explore waterproof materials in science; junk modelling tudor houses to recreate Pudding Lane.
Year 3	Making models of Stonehenge using various media, linked to study of the stone age; making replica ‘stone age’ jewellery using salt dough; using flint knapping to create simple scraping tools and arrow heads; making a ‘rainforest in a box’ showing the different levels of vegetation linked to geography; using cross stitch to create book marks.
Year 4	Exploring the various methods of farming of the ancient Mayans by creating miniature systems of terraced and raised fields; making Mayan style feather headdresses; creating ‘working’ models of volcanos; making models of human teeth using malleable materials.
Year 5	Making ‘bullroarers’ using tools at Forest School linked to learning about Australian Aboriginal stories; using ‘Tinkercad’ to design an Indus Valley style settlement; creating Victorian style cross stitch samplers.
Year 6	Using tools at Forest School to make ‘trollen wheels’ to create Viking style braids; making hawthorn fruit leather linked to history; using sewing machines to repurpose old t-shirts into tote bags.

**About EYFS:** Children develop curiosity, relevant vocabulary, knowledge and skills through a mixture of adult led activities and continuous provision. Children have access to a wide variety of construction toys both large and small scale and to resources for junk modelling and other ‘making’ in the ‘art gallery’. Children regularly cook in the nursery and the reception class kitchen and around a campfire in our Forest School area. Children also have opportunities for basic woodworking to develop their fine motor skills & build their confidence and risk taking skills.





	EYFS	Year One	Year Two	End of Key Stage 1 Expectations	Year Three	Year Four	Year Five	Year Six	End of Key Stage 2 Expectations
<p><b>Design</b></p>	<ul style="list-style-type: none"> <li>*Select appropriate resources</li> <li>*Use gestures, talking and arrangements of materials and components to show design</li> <li>* Use contexts set by the teacher and myself</li> <li>*Use language of designing and making (join, build, shape, longer, shorter, heavier etc.)</li> </ul>	<ul style="list-style-type: none"> <li>* have own ideas</li> <li>* explain what I want to do</li> <li>*explain what my product is for, and how it will work</li> <li>* use pictures and words to plan, begin to use models</li> <li>* design a product for myself following design criteria</li> <li>*research similar existing product</li> </ul>	<ul style="list-style-type: none"> <li>* have own ideas and plan what to do next</li> <li>* explain what I want to do and describe how I may do it</li> <li>* explain purpose of product, how it will work and how it will be suitable for the user</li> <li>* describe design using pictures, words, models, diagrams, begin to use ICT</li> <li>* design products for myself and others following design criteria</li> <li>* choose best tools and materials, and explain choices</li> <li>* use knowledge of existing products to produce ideas</li> </ul>	<ul style="list-style-type: none"> <li>*Design purposeful, functional, appealing products for themselves and other users based on design criteria</li> <li>*Generate, develop, model and communicate their ideas through talking, drawing, templates, mockups and, where appropriate, information and communication technology</li> </ul>	<ul style="list-style-type: none"> <li>*begin to research others' needs</li> <li>* show design meets a range of requirements</li> <li>* describe purpose of product</li> <li>* follow a given design criteria</li> <li>* have at least one idea about how to create product</li> <li>* create a plan which shows order, equipment and tools</li> <li>*describe design using an accurately labelled sketch and words</li> <li>* make design decisions</li> <li>*explain how product will work</li> <li>* make a prototype</li> <li>* begin to use computers to show design</li> </ul>	<ul style="list-style-type: none"> <li>* use research for design ideas</li> <li>* show design meets a range of requirements and is fit for purpose</li> <li>*begin to create own design criteria</li> <li>*have at least one idea about how to create product and suggest improvements for design.</li> <li>* produce a plan and explain it to others</li> <li>*say how realistic plan is.</li> <li>*include an annotated sketch</li> <li>*make and explain design decisions considering availability of resources</li> <li>*explain how product will work</li> <li>* make a prototype</li> <li>*begin to use computers to show designs</li> </ul>	<ul style="list-style-type: none"> <li>*use internet and questionnaires for research and design ideas</li> <li>*take a user's view into account when designing</li> <li>* begin to consider needs/wants of individuals/groups when designing and ensure product is fit for purpose</li> <li>*create own design criteria</li> <li>* have a range of ideas</li> <li>*produce a logical, realistic plan and explain it to others.</li> <li>*use cross-sectional planning and annotated sketches</li> <li>* make design decisions considering time and resources.</li> <li>*clearly explain how parts of product will work.</li> <li>*model and refine design ideas by making prototypes and using pattern pieces.</li> <li>*use computer-aided designs</li> </ul>	<ul style="list-style-type: none"> <li>* draw on market research to inform design</li> <li>* use research of user's individual needs, wants, requirements for design</li> <li>* identify features of design that will appeal to the intended user</li> <li>* create own design criteria and specification</li> <li>* come up with innovative design ideas</li> <li>*follow and refine a logical plan.</li> <li>*use annotated sketches, crosssectional planning and exploded diagrams</li> <li>* make design decisions, considering, resources and cost</li> <li>* clearly explain how parts of design will work, and how they are fit for purpose</li> <li>* independently model and refine design ideas by making prototypes and using pattern pieces</li> <li>* use computer-aided designs</li> </ul>	<ul style="list-style-type: none"> <li>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</li> <li>*Generate, develop, model and communicate their ideas through discussion, annotated sketches, crosssectional and exploded diagrams, prototypes, pattern pieces and computeraided design</li> </ul>



	EYFS	Year One	Year Two	End of Key Stage 1 Expectations	Year Three	Year Four	Year Five	Year Six	End of Key Stage 2 Expectations
<p><b>Make</b></p>	<ul style="list-style-type: none"> <li>*Construct with a purpose, using a variety of resources</li> <li>*Use simple tools and techniques</li> <li>*Build / construct with a wide range of objects</li> <li>*Select tools &amp; techniques to shape, assemble and join</li> <li>*Replicate structures with materials / components</li> <li>*Discuss how to make an activity safe and hygienic</li> <li>*Record experiences by drawing, writing, voice recording</li> <li>*Understand different media can be combined for a purpose</li> </ul>	<ul style="list-style-type: none"> <li>*explain what I'm making and why</li> <li>*consider what I need to do next</li> <li>*select tools/equipment to cut, shape, join, finish and explain choices</li> <li>*measure, mark out, cut and shape, with support</li> <li>*choose suitable materials and explain choices</li> <li>*try to use finishing techniques to make product look good</li> <li>*work in a safe and hygienic manner</li> </ul>	<ul style="list-style-type: none"> <li>*explain what I am making and why it fits the purpose</li> <li>*make suggestions as to what I need to do next.</li> <li>*join materials/components together in different ways</li> <li>*measure, mark out, cut and shape materials and components, with support.</li> <li>*describe which tools I'm using and why</li> <li>*choose suitable materials and explain choices depending on characteristics.</li> <li>*use finishing techniques to make product look good</li> <li>*work safely and hygienically</li> </ul>	<ul style="list-style-type: none"> <li>*Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</li> <li>*Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</li> </ul>	<ul style="list-style-type: none"> <li>*select suitable tools/equipment, explain choices; begin to use them accurately</li> <li>* select appropriate materials, fit for purpose.</li> <li>* work through plan in order</li> <li>*consider how good product will be</li> <li>* begin to measure, mark out, cut and shape materials/components with some accuracy</li> <li>* begin to assemble, join and combine materials and components with some accuracy</li> <li>* begin to apply a range of finishing techniques with some accuracy</li> </ul>	<ul style="list-style-type: none"> <li>* select suitable tools and equipment, explain choices in relation to required techniques and use accurately</li> <li>*select appropriate materials, fit for purpose; explain choices</li> <li>* work through plan in order.</li> <li>* realise if product is going to be good quality</li> <li>* measure, mark out, cut and shape materials/components with some accuracy</li> <li>*assemble, join and combine materials and components with some accuracy</li> <li>*apply a range of finishing techniques with some accuracy</li> </ul>	<ul style="list-style-type: none"> <li>* use selected tools/equipment with good level of precision</li> <li>* produce suitable lists of tools, equipment/materials needed</li> <li>*select appropriate materials, fit for purpose; explain choices, considering functionality</li> <li>* create and follow detailed step-by-step plan</li> <li>* explain how product will appeal to an audience</li> <li>* mainly accurately measure, mark out, cut and shape materials/components</li> <li>*mainly accurately assemble, join and combine materials/components</li> <li>* mainly accurately apply a range of finishing techniques</li> <li>* use techniques that involve a small number of steps</li> <li>* begin to be resourceful with practical problems</li> </ul>	<ul style="list-style-type: none"> <li>* use selected tools and equipment precisely</li> <li>*produce suitable lists of tools, equipment, materials needed, considering constraints</li> <li>* select appropriate materials, fit for purpose; explain choices, considering functionality and aesthetics</li> <li>* create, follow, and adapt detailed step-by-step plans</li> <li>*explain how product will appeal to audience; make changes to improve quality</li> <li>* accurately measure, mark out, cut and shape materials/components</li> <li>* accurately assemble, join and combine materials/components</li> <li>* accurately apply a range of finishing techniques</li> <li>* use techniques that involve a number of steps</li> <li>* be resourceful with practical problems</li> </ul>	<ul style="list-style-type: none"> <li>*Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately</li> <li>*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</li> </ul>



<p style="text-align: center; font-weight: bold;">Evaluate</p>	<ul style="list-style-type: none"> <li>*Construct with a purpose, using a variety of resources</li> <li>*Use simple tools and techniques</li> <li>*Build / construct with a wide range of objects</li> <li>*Select tools &amp; techniques to shape, assemble and join</li> <li>*Replicate structures with materials / components</li> <li>*Discuss how to make an activity safe and hygienic</li> <li>*Record experiences by drawing, writing, voice recording</li> <li>*Understand different media can be combined for a purpose</li> </ul>	<ul style="list-style-type: none"> <li>*explain what I'm making and why</li> <li>*consider what I need to do next</li> <li>*select tools/equipment to cut, shape, join, finish and explain choices</li> <li>*measure, mark out, cut and shape, with support</li> <li>*choose suitable materials and explain choices</li> <li>*try to use finishing techniques to make product look good</li> <li>*work in a safe and hygienic manner</li> </ul>	<ul style="list-style-type: none"> <li>*explain what I am making and why it fits the purpose</li> <li>*make suggestions as to what I need to do next.</li> <li>*join materials/components together in different ways</li> <li>*measure, mark out, cut and shape materials and components, with support.</li> <li>*describe which tools I'm using and why</li> <li>*choose suitable materials and explain choices depending on characteristics.</li> <li>*use finishing techniques to make product look good</li> <li>*work safely and hygienically</li> </ul>	<ul style="list-style-type: none"> <li>*Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</li> <li>*Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</li> </ul>	<ul style="list-style-type: none"> <li>* look at design criteria while designing and making</li> <li>*use design criteria to evaluate finished product</li> <li>* say what I would change to make design better</li> <li>*begin to evaluate existing products, considering: how well they have been made, materials, whether they work, how they have been made, fit for purpose</li> <li>* begin to understand by whom, when and where products were designed</li> <li>* learn about some inventors/designers/ engineers/chefs/manufacturers of groundbreaking products</li> </ul>	<ul style="list-style-type: none"> <li>*refer to design criteria while designing and making</li> <li>*use criteria to evaluate product</li> <li>* begin to explain how I could improve original design</li> <li>*evaluate existing products, considering: how well they've been made, materials, whether they work, how they have been made, fit for purpose</li> <li>* discuss by whom, when and where products were designed</li> <li>* research whether products can be recycled or reused</li> <li>* know about some inventors/designers/ engineers/chefs/manufacturers of groundbreaking products</li> </ul>	<ul style="list-style-type: none"> <li>*evaluate quality of design while designing and making</li> <li>*evaluate ideas and finished product against specification, considering purpose and appearance.</li> <li>*test and evaluate final product</li> <li>* evaluate and discuss existing products, considering: how well they've been made, materials, whether they work, how they have been made, fit for purpose</li> <li>* begin to evaluate how much products cost to make and how innovative they are</li> <li>*research how sustainable materials are</li> <li>*talk about some key inventors/designers/ engineers/chefs/manufacturers of groundbreaking products</li> </ul>	<ul style="list-style-type: none"> <li>*evaluate quality of design while designing and making; is it fit for purpose?</li> <li>* keep checking design is best it can be.</li> <li>*evaluate ideas and finished product against specification, stating if it's fit for purpose</li> <li>*test and evaluate final product; explain what would improve it and the effect different resources may have had</li> <li>*do thorough evaluations of existing products considering: how well they've been made, materials, whether they work, how they've been made, fit for purpose</li> <li>*evaluate how much products cost to make and how innovative they are</li> <li>*research and discuss how sustainable materials are</li> <li>*consider the impact of products beyond their intended purpose</li> <li>*discuss some key inventors/designers/ engineers/chefs/manufacturers of groundbreaking products</li> </ul>	<ul style="list-style-type: none"> <li>*Investigate and analyse a range of existing products.</li> <li>*Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</li> <li>*Understand how key events and individuals in design and technology have helped shape the world</li> </ul>
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	EYFS	Year One	Year Two	End of Key Stage 1 Expectations	Year Three	Year Four	Year Five	Year Six	End of Key Stage 2 Expectations
<p>Technical knowledge- materials/ structures</p>		<ul style="list-style-type: none"> <li>*begin to measure and join materials, with some support</li> <li>*describe differences in materials</li> <li>*suggest ways to make material/product stronger</li> </ul>	<ul style="list-style-type: none"> <li>*measure materials</li> <li>*describe some different characteristics of materials</li> <li>*join materials in different ways</li> <li>*use joining, rolling or folding to make it stronger</li> <li>*use own ideas to try to make product stronger</li> </ul>	<ul style="list-style-type: none"> <li>*Build structures, exploring how they can be made stronger, stiffer and more stable</li> </ul>	<ul style="list-style-type: none"> <li>*use appropriate materials</li> <li>*work accurately to make cuts and holes</li> <li>* join materials</li> <li>*begin to make strong structures</li> </ul>	<ul style="list-style-type: none"> <li>*measure carefully to avoid mistakes</li> <li>*attempt to make product strong</li> <li>*continue working on product even if original didn't work</li> <li>*make a strong, stiff structure</li> </ul>	<ul style="list-style-type: none"> <li>*select materials carefully, considering intended use of product and appearance</li> <li>*explain how product meets design criteria</li> <li>*measure accurately enough to ensure precision</li> <li>*ensure product is strong and fit for purpose</li> <li>*begin to reinforce and strengthen a 3D frame</li> </ul>	<ul style="list-style-type: none"> <li>*select materials carefully, considering intended use of the product, the aesthetics and functionality.</li> <li>*explain how product meets design criteria</li> <li>* reinforce and strengthen a 3D frame</li> </ul>	<ul style="list-style-type: none"> <li>*Apply their understanding of how to strengthen, stiffen and reinforce more complex structures</li> </ul>
<p>Technical knowledge- mechanisms</p>		<ul style="list-style-type: none"> <li>*begin to use levers or</li> </ul>	<ul style="list-style-type: none"> <li>*use levers or slides</li> <li>*begin to understand how to use wheels and axles</li> </ul>	<ul style="list-style-type: none"> <li>*Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.</li> </ul>	<ul style="list-style-type: none"> <li>*select appropriate tools / techniques</li> <li>*alter product after checking, to make it better</li> <li>*begin to try new/different ideas</li> <li>*use simple lever and linkages to create movement</li> </ul>	<ul style="list-style-type: none"> <li>*select most appropriate tools / techniques</li> <li>*explain alterations to product after checking it</li> <li>*grow in confidence about trying new / different ideas.</li> <li>*use levers and linkages to create movement</li> <li>*use pneumatics to create movement</li> </ul>	<ul style="list-style-type: none"> <li>*refine product after testing</li> <li>*grow in confidence about trying new / different ideas</li> <li>*begin to use cams, pulleys or gears to create movement</li> </ul>	<ul style="list-style-type: none"> <li>*refine product after testing, considering aesthetics, functionality and purpose</li> <li>*incorporate hydraulics and pneumatics</li> <li>*be confident to try new / different ideas</li> <li>*use cams, pulleys and gears to create movement</li> </ul>	<ul style="list-style-type: none"> <li>*Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]</li> </ul>



<p>Technical knowledge- textiles</p>	<ul style="list-style-type: none"> <li>-Use a variety of threading and fine motor opportunities.</li> <li>-Explore texture and properties of textiles</li> <li>-Use simple weaving techniques</li> <li>-make a fabric collage</li> </ul>	<ul style="list-style-type: none"> <li>*measure, cut and join textiles to make a product, with some support</li> <li>*choose suitable textiles</li> <li>-Begin to identify different forms of textiles/fabric e.g. felt, velvet, cotton.</li> <li>-Continue to develop understanding weaving techniques.</li> <li>-Use different fabrics and materials in collages.</li> </ul>	<ul style="list-style-type: none"> <li>*measure textiles</li> <li>*join textiles together to make a product, and explain how I did it</li> <li>*carefully cut textiles to produce accurate pieces</li> <li>*explain choices of textile</li> <li>-To be shown how to thread a needle.</li> <li>-To use a running stitch.</li> <li>-To stitch two pieces of fabric using a running stitch.</li> </ul>		<ul style="list-style-type: none"> <li>*join different textiles in different ways</li> <li>*choose textiles considering appearance and functionality</li> <li>*begin to understand that a simple fabric shape can be used to make a 3D textiles project</li> <li>- Begin to thread a needle independently.</li> <li>-Continue to use a running stitch and introduce a back stitch.</li> <li>-Apply decoration using beads, buttons, feathers etc.</li> <li>-Begin to modify threads and fabrics, knotting, fraying, fringing, pulling threads, twisting, plaiting</li> </ul>	<ul style="list-style-type: none"> <li>*think about user when choosing textiles</li> <li>*think about how to make product strong</li> <li>* to use a template</li> <li>*explain how to join things in a different way</li> <li>*understand that a simple fabric shape can be used to make a 3D textiles project</li> <li>-Thread a needle independently.</li> <li>-Use a running and back stitch.</li> <li>-Apply decoration using needle and thread: buttons, sequins.</li> <li>-Gain experience in applying colour by printing and using fabric crayons/ paints.</li> <li>-Change and modify threads and fabrics as in Y3.</li> </ul>	<ul style="list-style-type: none"> <li>*think about user and aesthetics when choosing textiles</li> <li>*to begin to devise their own template</li> <li>* think about how to make product strong and look better</li> <li>*think of a range of ways to join things</li> <li>*begin to understand that a single 3D textiles project can be made from a combination of fabric shapes.</li> <li>-Introduce a cross stitch in embroidery.</li> <li>-Use a variety of techniques, e.g. printing, dyeing, weaving and stitching to create different textural effects.</li> <li>-Demonstrate experience in combining techniques to produce an end piece: embroidery over tie dye.</li> <li>-Show awareness of the skills involved in aspects such as knitting, lace making.</li> <li>-To use a sewing machine to join fabric</li> </ul>	<ul style="list-style-type: none"> <li>*think about user's wants/needs and aesthetics when choosing textiles</li> <li>*make product attractive and strong</li> <li>*make a prototype</li> <li>*use a range of joining techniques</li> <li>*think about how product might be sold</li> <li>*think carefully about what would improve product</li> <li>*understand that a single 3D textiles project can be made from a combination of fabric shapes.</li> <li>-Design, plan and decorate a fabric piece.</li> <li>-Experiment with a variety of techniques.</li> <li>-Use a number of different hand stitches creatively to produce different patterns and textures.</li> <li>-To use a sewing machine to create a useful product such as a bag or cushion, considering seam finishes and product integrity.</li> <li>-To repurpose/ upcycle textiles and consider the environmental factors in textile production and use.</li> </ul>	
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	EYFS	Year One	Year Two	End of Key Stage 1 Expectations	Year Three	Year Four	Year Five	Year Six	End of Key Stage 2 Expectations
Technical knowledge- food and nutrition	<ul style="list-style-type: none"> <li>*Begin to understand some food preparation tools, techniques and processes</li> <li>*Practise stirring, mixing, pouring, blending</li> <li>*Discuss how to make an activity safe and hygienic</li> <li>*Discuss use of senses</li> <li>*Understand need for variety in food</li> <li>*Begin to understand that eating well contributes to good health</li> </ul>	<ul style="list-style-type: none"> <li>*describe textures</li> <li>*wash hands &amp; clean surfaces</li> <li>*think of interesting ways to decorate food</li> <li>*say where some foods come from, (i.e. plant or animal)</li> <li>*describe differences between some food groups (i.e. sweet, vegetable etc.)</li> <li>*discuss how fruit and vegetables are healthy</li> <li>*cut, peel and grate safely, with support</li> </ul>	<ul style="list-style-type: none"> <li>*explain hygiene and keep a hygienic kitchen</li> <li>*describe properties of ingredients and importance of varied diet</li> <li>*say where food comes from (animal, underground etc.)</li> <li>*describe how food is farmed, home-grown, caught</li> <li>*draw eat well plate; explain there are groups of food</li> <li>*describe "five a day"</li> <li>*cut, peel and grate with increasing confidence</li> </ul>	<ul style="list-style-type: none"> <li>*Use the basic principles of a healthy and varied diet to prepare dishes</li> <li>*Understand where food comes from.</li> </ul>	<ul style="list-style-type: none"> <li>*carefully select ingredients</li> <li>*use equipment safely</li> <li>*make product look attractive</li> <li>*think about how to grow plants to use in cooking</li> <li>*begin to understand food comes from UK and wider world</li> <li>*describe how healthy diet= variety/balance of food/drinks</li> <li>*explain how food and drink are needed for active/healthy bodies.</li> <li>*prepare and cook some dishes safely and hygienically</li> <li>*grow in confidence using some of the following techniques: peeling, chopping, slicing, grating, mixing, spreading, kneading and baking</li> </ul>	<ul style="list-style-type: none"> <li>*explain how to be safe/hygienic</li> <li>*think about presenting product in interesting/attractive ways</li> <li>*understand ingredients can be fresh, pre-cooked or processed</li> <li>*begin to understand about food being grown, reared or caught in the UK or wider world</li> <li>*describe eat well plate and how a healthy diet=variety / balance of food and drinks</li> <li>*explain importance of food and drink for active, healthy bodies</li> <li>*prepare and cook some dishes safely and hygienically</li> <li>*use some of the following techniques: peeling, chopping, slicing, grating, mixing, spreading, kneading and baking</li> </ul>	<ul style="list-style-type: none"> <li>*explain how to be safe / hygienic and follow own guidelines</li> <li>*present product well - interesting, attractive, fit for purpose</li> <li>*begin to understand seasonality of foods</li> <li>*understand food can be grown, reared or caught in the UK and the wider world</li> <li>*describe how recipes can be adapted to change appearance, taste, texture, aroma</li> <li>*explain how there are different substances in food / drink needed for health</li> <li>*prepare and cook some savoury dishes safely and hygienically including, where appropriate, use of heat source</li> <li>* use range of techniques such as peeling, chopping, slicing, grating, mixing, spreading, kneading and baking.</li> </ul>	<ul style="list-style-type: none"> <li>*understand a recipe can be adapted by adding / substituting ingredients</li> <li>*explain seasonality of foods</li> <li>*learn about food processing methods</li> <li>*name some types of food that are grown, reared or caught in the UK or wider world</li> <li>*adapt recipes to change appearance, taste, texture or aroma.</li> <li>*describe some of the different substances in food and drink, and how they can affect health</li> <li>*prepare and cook a variety of savoury dishes safely and hygienically including, where appropriate, the use of heat source.</li> <li>*use a range of techniques confidently such as peeling, chopping, slicing, grating, mixing, spreading, kneading and baking.</li> </ul>	<ul style="list-style-type: none"> <li>*Understand and apply the principles of a healthy and varied diet</li> <li>*Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</li> <li>*Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</li> </ul>



	EYFS	Year One	Year Two	End of Key Stage 1 Expectations	Year Three	Year Four	Year Five	Year Six	End of Key Stage 2 Expectations
Technical knowledge- electrical systems					<ul style="list-style-type: none"> <li>*use simple circuit in product</li> <li>*learn about how to program a computer to control product.</li> </ul>	<ul style="list-style-type: none"> <li>*use number of components in circuit</li> <li>*program a computer to control product</li> </ul>	<ul style="list-style-type: none"> <li>*incorporate switch into product</li> <li>*confidently use number of components in circuit</li> <li>*begin to be able to program a computer to monitor changes in environment and control product</li> </ul>	<ul style="list-style-type: none"> <li>*use different types of circuit in product</li> <li>* think of ways in which adding a circuit would improve product</li> <li>* program a computer to monitor changes in environment and control product</li> </ul>	<ul style="list-style-type: none"> <li>*Understand and use electrical systems in their products [for example, series circuits</li> </ul>