



**Over St. John's CE Primary School**  
**'Let your light shine before others.' Matthew 5:16**  
**DT Progression of Knowledge and Skills**

Focus	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Design</b>	<p><b>Skills</b></p> <p>I can select appropriate resources.</p> <p>I can use gestures, talking and arrangements of materials and components to show design.</p> <p>I can use language of designing and making (join, build, shape, longer, shorter, heavier etc.)</p>	<p><b>Skills</b></p> <p>I can have my own ideas.</p> <p>I can explain what I want to do.</p> <p>I can explain what my product is for, and how it will work.</p> <p>I can use pictures and words to plan, begin to use models.</p> <p>I can design a product for myself following design criteria.</p> <p>I can research similar existing products.</p>	<p><b>Skills</b></p> <p>I can have my own ideas and plan what to do next.</p> <p>I can explain the purpose of a product, how it will work and how it will be suitable for the user.</p> <p>I can describe design using pictures, words, models, diagrams and begin to use ICT.</p> <p>I can design products for myself and others following the design criteria.</p> <p>I can choose best tools and materials and explain choices.</p> <p>I can use knowledge of existing products to produce ideas.</p>	<p><b>Skills</b></p> <p>I can begin to research others' needs.</p> <p>I can show design meets a range of requirements.</p> <p>I can describe the purpose of product.</p> <p>I can follow a given design criteria.</p> <p>I can have at least one idea about how to create product.</p> <p>I can create a production plan which shows the order of making, equipment and tools needed.</p> <p>I can describe design using an accurately labelled sketch and words.</p> <p>I can make design decisions.</p> <p>I can explain how my product will work.</p> <p>I can make a prototype.</p>	<p><b>Skills</b></p> <p>I can research for design ideas using the computer.</p> <p>I can show design meets a range of requirements and is fit for purpose.</p> <p>I can begin to create own design criteria.</p> <p>I have at least one idea about how to create product and suggest improvements for design.</p> <p>I can produce a plan and explain it to others.</p> <p>I can say how realistic a plan is.</p> <p>I can include an annotated sketch with measurements.</p> <p>I can make and explain design decisions considering availability of resources.</p> <p>I can make a prototype that explores a design refinement.</p> <p>I can begin to use computers to help with my design.</p>	<p><b>Skills</b></p> <p>I can use the internet and questionnaires for research and design ideas.</p> <p>I can take a user's view into account when designing.</p> <p>I can begin to consider needs/wants of individuals/groups when designing and ensure product is fit for purpose.</p> <p>I can create own design criteria.</p> <p>I can produce a logical, realistic plan and explain it to others.</p> <p>I can use cross-sectional planning and annotated sketches.</p> <p>I can make design decisions considering time and resources.</p> <p>I can clearly explain how parts of product will work.</p> <p>I can model and refine design ideas by making prototypes and using pattern pieces.</p> <p>I can use computers to draw/show design.</p>	<p><b>Skills</b></p> <p>I can draw on market research to inform design.</p> <p>I can use research of user's individual needs, wants, and requirements for design.</p> <p>I can identify features of design that will appeal to the intended user.</p> <p>I can create own design criteria and specification.</p> <p>I can follow and refine a logical plan.</p> <p>I can use annotated sketches, cross sectional planning and exploded diagrams.</p> <p>I can make design decisions, considering, resources and cost.</p> <p>I can clearly explain how parts of design will work, and how they are fit for purpose.</p> <p>I can independently model and refine design ideas by making prototypes, improving pattern pieces and testing materials for purpose.</p> <p>I can use a computer-based drawing package to aid the designs process.</p>
	<p><b>Knowledge</b></p> <p>I know you design by making.</p> <p>I know what resources to select that are appropriate resources for my task.</p>	<p><b>Knowledge</b></p> <p>I know I need to draw and label my design.</p> <p>I know what the purpose of my design is.</p> <p>I know why I need to research similar designs.</p>	<p><b>Knowledge</b></p> <p>I know I need to draw, label, and annotate my design.</p> <p>I know I need to follow a design criterion.</p> <p>I know why I chose the tools and material used.</p>	<p><b>Knowledge</b></p> <p>I know why I need to conduct research into a design brief.</p> <p>I know what a production plan is.</p> <p>I know why we need an accurately labelled sketch with some measurements.</p> <p>I know what a prototype is.</p>	<p><b>Knowledge</b></p> <p>I know I can use the computer to research design ideas.</p> <p>I know whether the design and finished piece is fit for purpose and <del>can</del> why we might suggest refinements.</p> <p>I know the computer can help to create my design.</p>	<p><b>Knowledge</b></p> <p>I know that research can improve my design and improve the viability of the product.</p> <p>I know what a cross sectional drawing is and why I might annotate it.</p> <p>I know what a pattern piece is and that it is used to refine and test out products.</p>	<p><b>Knowledge</b></p> <p>I know why we gather appropriate market research.</p> <p>I know the importance of a detailed design plan.</p> <p>I know that I need to work out the cost and time implication of my design.</p> <p>I know why we test a design to ensure it is fit for purpose.</p> <p>I know we can use a drawing package to draw some of my design.</p>
	<b>Reception</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>

<b>Make</b>	<p><b><u>Skills</u></b>  I can construct with a purpose, using a variety of resources.  I can use simple tools and techniques.</p> <p>I can build / construct with a wide range of objects.</p> <p>I can select tools &amp; techniques to shape, assemble and join.</p> <p>I can discuss how to make an activity safe and hygienic.</p> <p>I can record experiences by drawing, writing and photographs.</p> <p>I can understand different media can be combined for a purpose.</p>	<p><b><u>Skills</u></b>  I can explain what I am making and why.  I can consider what I need to do next.</p> <p>I can select tools/equipment to cut, shape, join, finish, and explain my choices.</p> <p>I can mark out, cut, and shape, with support.</p> <p>I can choose suitable materials and explain choices.</p> <p>I can try to use finishing techniques to make product look good.</p> <p>I can work in a safe and hygienic manner with support.</p>	<p><b><u>Skills</u></b>  I can explain what I am making and why it fits the purpose.  I can make suggestions as to what I need to do next.</p> <p>I can join materials/components together in different ways.</p> <p>I can measure, mark out, cut and shape materials and components, with support.</p> <p>I can describe which tools I am using and why.</p> <p>I can choose suitable materials and explain choices depending on characteristics.</p> <p>I can select the finishing techniques to make product look good.</p> <p>I can work safely and hygienically.</p>	<p><b><u>Skills</u></b>  I can select suitable tools/equipment, explain choices; begin to use them competently.</p> <p>I can select appropriate materials which are fit for purpose.</p> <p>I can work through a plan in order.</p> <p>I can consider how good product will be and think of ways to improve it.</p> <p>I can begin to measure, mark out, cut and shape materials/components with some accuracy.</p> <p>I can begin to assemble, join, and combine materials and components with some support.</p> <p>I can apply a range of finishing techniques to improve the presentation of the product.</p>	<p><b><u>Skills</u></b>  I can select suitable tools and equipment, explain my choices in relation to required techniques and use accurately.</p> <p>I can select appropriate materials and explain why they are fit for purpose.</p> <p>I can organise and work through a plan in order ensuring I have all the resources needed.</p> <p>I can realise if product is going to be good quality.</p> <p>I can measure, mark out, cut and shape materials/components with accuracy.</p> <p>I can assemble, join, and combine materials and components with some accuracy.</p> <p>I can apply a range of finishing techniques with some accuracy.</p>	<p><b><u>Skills</u></b>  I can select tools/equipment with the design brief in mind and use them with a good level of precision.</p> <p>I can produce suitable lists of tools, equipment/materials needed.</p> <p>I can select appropriate materials, fit for purpose; explain choices, considering functionality.</p> <p>I can create and follow detailed step-by-step plan.</p> <p>I can explain how product will appeal to an audience.</p> <p>I can accurately measure, mark out, cut, shape and if necessary, adapt materials/components during the making process.</p> <p>I can accurately apply a range of finishing techniques and explain my choices.</p> <p>I can use techniques that involve a small number of steps.</p> <p>I can begin to be resourceful with practical problems.</p>	<p><b><u>Skills</u></b>  I can use select tools and equipment considering the design brief and personal preference.</p> <p>I can produce suitable lists of tools, equipment, materials needed considering constraints, such as availability, time, and cost.</p> <p>I can select appropriate materials, fit for purpose; explain choices, considering functionality and aesthetics.</p> <p>I can create, follow, and adapt detailed step-by-step plans.</p> <p>I can explain how product will appeal to audience; make changes to improve quality.</p> <p>I can accurately measure, mark out, cut, shape, and adapt materials/components to improve the design.</p> <p>I can make reasonable adaptations to making process whilst still ensuring the accuracy of the process.</p> <p>I can combine finishing techniques that will appeal to the target audience and explain my choices.</p> <p>I can use techniques that involve an ordered sequence of steps to ensure they work.</p> <p>I can be resourceful with practical problems and seek to solve them independently.</p>
	<p><b><u>Knowledge</u></b>  I know that that you can make models with a variety of material including construction kits and found material.</p> <p>I know that tools can be used to shape material.</p> <p>I know that material can be joined together using glue or Sellotape.</p> <p>I know we need to draw a design.</p>	<p><b><u>Knowledge</u></b>  I know why we need to mark, and shape material to suit my needs.</p> <p>I know why I have selected my resources and tools.</p> <p>I know to use the equipment safely.</p> <p>I know two ways to finish my product to make it look good.</p> <p>.</p>	<p><b><u>Knowledge</u></b>  I know several ways to join materials/components together.</p> <p>I know that to shape material I need to measure, mark out and cut.</p> <p>I know the tool which is best suited to my purpose.</p> <p>I know I need to work in a safe and hygienic manner.</p> <p>I know the finishing technique that will best suit my product.</p>	<p><b><u>Knowledge</u></b>  I know the reason why I have selected different tools and can explain how to use them.</p> <p>I know why I have used the material/components parts of my design.</p> <p>I know to follow the design plan.</p> <p>I know we need to measure, mark out cut and shapes material with some accuracy.</p> <p>I know it is important to finish my product to a high standard.</p>	<p><b><u>Knowledge</u></b>  I know the reason to use the tools I have selected and can explain how to use them safely.</p> <p>I know the importance of a detailed plan and resource list.</p> <p>I know to accurately assemble my product.</p> <p>I know we need to measure accurately.</p> <p>I know the finish techniques that are appropriate to my design brief.</p>	<p><b><u>Knowledge</u></b>  I know the tools /equipment that are best suited to my product and can explain my choice.</p> <p>I know what to compile in a resources list considering my design brief.</p> <p>I know why a detailed plan improves the likelihood of design success.</p> <p>I know the finishing techniques best suited to my product and can explain why.</p>	<p><b><u>Knowledge</u></b>  I know the tools and equipment that are best suited for the task and can explain why taking into account personal competency and preference.</p> <p>I know a detailed plan should consider and take into account real world constraints.</p> <p>I know the material I have used is fit for purpose and I can explain my choices.</p> <p>I know to adapt my making process to ensure success.</p> <p>I know to follow a detailed plan and to retrace my steps to pinpoint any issue.</p>

							I know the making process can include adaptations to solve problems.
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<b>Evaluate</b>	<p><u><b>Skills</b></u> I can adapt work if necessary.</p> <p>I can practise some appropriate safety measures independently.</p> <p>I can talk about how things work.</p> <p>I can look at similarities and differences between existing objects / materials / tools.</p> <p><u><b>Knowledge</b></u> I know I need to work safely.</p> <p>I know why my ‘make’ works and can talk about it.</p>	<p><u><b>Skills</b></u> I can talk about my work, linking it to what I was asked to do.</p> <p>I can talk about an existing product considering use, materials, how they work, audience, where they might be used and what is good/not good about them.</p> <p>I can talk about things that other people have made.</p> <p>I can begin to talk about what could make my/the product better.</p> <p><u><b>Knowledge</b></u> I know I need to follow the design.</p> <p>I know I need to incorporate good ideas into my model.</p> <p>I know I need to adapt and improve my product.</p>	<p><u><b>Skills</b></u> I can describe what went well, thinking about design criteria.</p> <p>I can talk about existing products considering use, materials, how they work, audience, where they might be used, and express personal opinion.</p> <p>I can evaluate how good existing products are.</p> <p>I can talk about what I would do differently if I were to do it again and why.</p> <p><u><b>Knowledge</b></u> I know I need to evaluate my work against the design criteria.</p> <p>I know I can magpie good ideas and build them into my product.</p> <p>I know what I would do to improve my product.</p>	<p><u><b>Skills</b></u> I can look at design criteria while designing and making.</p> <p>I can use the design criteria to evaluate the finished product.</p> <p>I can say what I would change to make design better.</p> <p>I can begin to evaluate existing products, considering how well they have been made, materials, whether they work, how they have been made, fit for purpose.</p> <p>I can begin to understand by whom, when and where products were designed.</p> <p>I can learn about some inventors/designers/ engineers/chefs/ manufacturers of ground-breaking products.</p> <p><u><b>Knowledge</b></u> I know I need to follow a design criteria.</p> <p>I know I need to evaluate my product and suggest improvements.</p> <p>I know about a designer who has influenced the design/creation of similar product.</p>	<p><u><b>Skills</b></u> I can refer to design criteria while designing and making.</p> <p>I can use criteria to evaluate product.</p> <p>I can begin to explain how I could improve original design.</p> <p>I can evaluate existing products, considering how well they have been made, materials, whether they work, how they have been made, fit for purpose.</p> <p>I can discuss by whom, when and where the products were designed.</p> <p>I can research whether products can be recycled or reused.</p> <p>I can learn about innovators and designers who worked within this area.</p> <p><u><b>Knowledge</b></u> I know why it is importance that each element of the production is being led by the design criteria.</p> <p>I know I need to evaluate my product against the design criteria.</p> <p>I know whether my product is recyclable or reusable.</p> <p>I know about some inventors/designers/ engineers/chefs/manufacturers of ground-breaking products.</p>	<p><u><b>Skills</b></u> I can evaluate quality of design whilst designing and making.</p> <p>I can evaluate ideas and finished product against specification, considering purpose and appearance.</p> <p>I can test and evaluate final product.</p> <p>I can evaluate and discuss existing products, considering how well they have been made, materials, whether they work, how they have been made, fit for purpose.</p> <p>I can begin to evaluate how much products cost to make and how innovative they are.</p> <p>I can research how sustainable materials are.</p> <p>I can talk about some key inventors/designers/ engineers/ chefs/manufacturers.</p> <p><u><b>Knowledge</b></u> I know I need to evaluate and test the quality of the product against the design criteria.</p> <p>I know what a cost and time analysis is.</p> <p>I know what works of innovators and creators have impacted on the development of this product.</p> <p>I know what the sustainability of the materials used is.</p>	<p><u><b>Skills</b></u> I can evaluate quality of design while designing and making; is it fit for purpose?</p> <p>I can check the design and improve it throughout the entire process.</p> <p>I can evaluate ideas and finished product against specification, stating if it is fit for purpose.</p> <p>I can test and review final product; explain what would improve it and the effect different resources may have had.</p> <p>I can evaluate how much products cost to make and how innovative they are.</p> <p>I can research and discuss how sustainable materials are.</p> <p>I can consider the impact of products beyond their intended purpose.</p> <p>I can discuss some key inventors/designers/ engineers/ chefs/manufacturers of ground-breaking products.</p> <p><u><b>Knowledge</b></u> I know why my product is fit for purpose.</p> <p>I know what the sustainable material I used is and can talk about alternatives.</p> <p>I know the work of innovators and creators has impacted not only on their designs but the work of others.</p> <p>I know what the impact my produce has on the world around us, and I can discuss ways to negate it.</p>
Vocabulary for Design, Make and Evaluate	<p><u><b>Vocabulary</b></u> Plan and draw.</p>	<p><u><b>Vocabulary</b></u> Investigating, design, evaluate.</p>	<p><u><b>Vocabulary</b></u> Design criteria and function,</p>	<p><u><b>Vocabulary</b></u> Prototype, annotated sketch, functional and innovative.</p>	<p><u><b>Vocabulary</b></u> Evaluating and refinements</p>	<p><u><b>Vocabulary</b></u> Functionality and authentic.</p>	<p><u><b>Vocabulary</b></u> Efficacy and cross sectional drawings.</p>
	<b>Reception</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>

Technical knowledge Material/Structure	<p><b>Skills</b> I can begin to join material with help.</p> <p>I can choose the material/resources needed.</p> <p>I can describe differences in materials.</p> <p><b>Knowledge</b> I know two ways to join material.</p> <p>I know what material I want to use and can explain my choice.</p> <p><b>Vocabulary</b> Strong and weak point,</p>	<p><b>Skills</b> I can begin to measure and join materials, with some support.</p> <p>I can describe some different characteristics of materials.</p> <p>I can make a free-standing structure stronger, stiffer and more stable.</p> <p>I can use joining, rolling, or folding to make it stronger.</p> <p><b>Knowledge</b> I know the best way to join the material I have chosen.</p> <p>I know why some material is better than others for the product I am making.</p> <p>I know why you need to stiffen a standing structure.</p> <p><b>Vocabulary</b> Structure and framework.</p>		<p><b>Skills</b> I can measure materials using standard units of measure.</p> <p>I can use appropriate materials.</p> <p>I can join materials in different ways. I can work accurately to make cuts and holes.</p> <p>I can use own ideas to try to make product stronger.</p> <p><b>Knowledge</b> I know why we use standard units of measure to aid the design.</p> <p>I know which material best suits my product and discuss why.</p> <p>I know different ways to join material and justify the choice I made.</p> <p>I know I need to ensure my product has integral strength.</p> <p><b>Vocabulary</b> Shell structure, three-dimensional (3-D) and frame</p>	<p><b>Skills</b> I can measure carefully to avoid mistakes.</p> <p>I can use appropriate material and explain why.</p> <p>I can continue working on product even if prototype did not work.</p> <p>I can make a strong, stiff structure suitable to the product.</p> <p>I can identify the points of structural weakness.</p> <p><b>Knowledge</b> I know to check my measurements for accuracy.</p> <p>I know which material would best suit my product.</p> <p>I know I need to make my product strong enough for its purpose.</p> <p>I know what will improve my prototype.</p> <p><b>Vocabulary</b> Corrugating, ribbing, laminating, graphics and reinforce.</p>	<p><b>Skills</b> I can select materials carefully, considering intended use of the product, the aesthetics and functionality.</p> <p>I can reinforce and strengthen a 3D frame.</p> <p>I can continue working on product even if original did not work.</p> <p>I can explain how product meets design criteria.</p> <p>I can identify the possible weak spots in my design and incorporate ways to strengthen these.</p> <p><b>Knowledge</b> I know what material is best for my product and I can explain why.</p> <p>I know I need to strengthen a 3D frame and can discuss the best option.</p> <p>I know I need to fix a failing design and can discuss design amendments in retrospect.</p> <p><b>Vocabulary</b> Triangulation and annotated sketch.</p>	
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Technical knowledge for Mechanisms		<p><b>Skills</b> I can use levers or slides.</p> <p>I can incorporate a pivot point.</p> <p><b>Knowledge</b> I know what the difference is between a slide and a lever.</p> <p>I know where to put my pivot point with support.</p>	<p><b>Skills</b> I can begin to understand how to build wheels and axles.</p> <p>I can build a bracket/hold for a moving axle.</p> <p><b>Knowledge</b> I know I need to fix wheels onto an axle.</p> <p>I know the difference between a fixed and freely moving axle.</p>	<p><b>Skills</b> I can make a lever and linkage mechanism.</p> <p>I can use a fixed pivot and a loose pivot in my system.</p> <p>I can alter product after testing to improve how it works.</p> <p>I can share good working practice and ideas with my peers.</p> <p><b>Knowledge</b> I know what a lever and linkage mechanisms is and how it creates movement.</p> <p>I know what a fixed and loose pivot point is.</p>	<p><b>Skills</b> I can create a pneumatic system that creates movement.</p> <p>I can select most appropriate tools / techniques to control the flow of air.</p> <p>I can explain alterations to the product after checking/testing the pneumatics.</p> <p>I can alter the pressurisation of air to create varied movements.</p> <p><b>Knowledge</b> I know what I need to create a sealed pneumatic system.</p> <p>I know I control movement through altering the pressure of the air within the system.</p>	<p><b>Skills</b> I can build a pulley and talk about the different types of rotation.</p> <p>I can build a pulley system that creates movement.</p> <p>I can control the movement of the pulley system.</p> <p><b>or</b></p> <p>I can build a gear system to create movement.</p> <p>I can explore gear ratio and decide which one is best for the product.</p> <p>I can control the movement of the gear system.</p> <p><b>Knowledge</b> I know why a pulley system works.</p> <p>I know what a driver and follower is.</p> <p>I know why the tension in the belt is important.</p> <p><b>or</b></p>	<p><b>Skills</b> I can use a Cam to create movement and change the direction of the movement.</p> <p>I can name the different types of movement created by a Cam. (Oscillating, reciprocating, and rotating)</p> <p>I can choose a Cam to create the movement required for my design.</p> <p><b>Knowledge</b> I know that a cam is a rotating piece that transforms rotary motion into linear motion.</p> <p>I know the different types of movement created by Cams.</p>

				I know the difference between fixed and loose pivot points.		I know why the gear ratio is important.  I know what a driver and a follower is.  I know why the tension in the belt is important.	I know that there are different types of Cams for different movements.
		<u>Vocabulary</u> Slider, lever, pivot and bridge/guide.	<u>Vocabulary</u> Wheel, fixed/free axle, axle holder, chassis and cab.	<u>Vocabulary</u> linkage, output, linear, rotary, oscillating and reciprocating.	<u>Vocabulary</u> tubing, syringe, plunger, pneumatic system, compression, pressure, inflate, deflate, pump, seal, and air-tight.	<u>Vocabulary</u> pulley, drive belt, gear, driver, follower, circuit diagram, annotated drawings, exploded diagrams, mechanical system and electrical system,	<u>Vocabulary</u> cam, snail cam, off-centre cam, peg cam, pear shaped cam follower, axle, shaft, crank, framework rotation, rotary motion and reciprocating motion.
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Technical knowledge Textiles	<u>Skills</u> I can choose textiles for a specific purpose.  I can cut, with support, and manipulated the textile to suit my design.		<u>Skills</u> I can carefully measure and cut textiles to produce accurate pieces.  I can join textiles together to make a product and explain how I did it.  I can understand that a 3D textile structure can be made from two identical fabric shapes.  I can use a simple running stich on my product.	<u>Skills</u> I can use a pattern correctly.  I can cut out a pattern correctly and understand the need for a seam allowance.  I can join using either, backwards running stitch, over sew stitch or blanket stitch.  I can strengthen, stiffen, and reinforce existing fabrics.  I can begin to understand that a simple fabric shape can be used to make a 3D textiles project.		<u>Skills</u> I can think about the product when choosing textiles.  I can think about how to make product strong and light.  I can begin to devise a template.  I can make a 3d product can be made from a combination of accurately made pattern pieces and fabric shapes.  I can use a backstitch or whip stitch to strengthen the seam.	
	<u>Knowledge</u> I know which fabric suits my project.		<u>Knowledge</u> I know I need to use a pattern to produce accurate measurements.  I know different ways to join the fabric.  I know what a running stich is.	<u>Knowledge</u> I know I need to pin and cut out a pattern correctly including a seam allowance and the pattern orientation.  I know what stitch to use to join two pieces of fabric.  I know why to reinforce my product to make it fit for purpose.		<u>Knowledge</u> I know I need to choose a fabric fit for purpose.  I know I need to make a template/pattern and use it to cut out my fabric accurately.  I know you can join two pieces of fabric using a back or whip stitch.	
		<u>Vocabulary</u> Fabric, decorate, make and finish.	<u>Vocabulary</u> Template, pattern pieces, mock-up, and evaluate.	<u>Vocabulary</u> stiffening, templates, seam, seam allowance, aesthetics and pattern.		<u>Vocabulary</u> Wadding and reinforce.	
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

Technical knowledge Food & Nutrition	<p><b>Skills</b> I can discuss how to make an activity safe and hygienic.</p> <p>I can begin to understand some food preparation tools, techniques, and processes.</p> <p>I can practise stirring, mixing, pouring, blending.</p> <p>I can understand need for variety in food.</p> <p>I can begin to understand that eating well contributes to good health.</p> <p><b>Knowledge</b> I know I need to use a vegetable peeler and knife with adult support.</p> <p>I know some foods that are good for me to eat.</p> <p>I know need to prepare food hygienically.</p> <p><b>Vocabulary</b> fruit and vegetable names and names of equipment/utensils</p>	<p><b>Skills</b> I can wash hands, clean surfaces and be hygienic during the food preparation with adult support.</p> <p>I can say where some foods come from, (i.e., plant or animal)</p> <p>I can describe differences between some food groups (i.e., sweet, vegetable etc.)</p> <p>I can discuss how fruit and vegetables are healthy.</p> <p>I can cut, peel, grate, and squeeze safely, with support.</p> <p><b>Knowledge</b> I know to use a vegetable peeler, knife, grater, and juice, safely, with adult support.</p> <p>I know which food group some of the food I am using comes from.</p> <p>I know what is healthy for me and why.</p> <p><b>Vocabulary</b> sensory vocabulary e.g., soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard flesh, core etc</p>	<p><b>Skills</b> I can explain hygiene and keep a hygienic kitchen.</p> <p>I can describe properties of ingredients and importance of varied diet.</p> <p>I can say where food comes from (animal, underground etc.)</p> <p>I can describe how food is farmed, home-grown, caught.</p> <p>I can describe “five a day.”</p> <p>I can cut, peel and grate with increasing confidence.</p> <p><b>Knowledge</b> I know I need to prepare food safely.</p> <p>I know what a healthy and varied diet should look like.</p> <p>I know where my food comes from.</p> <p>I know what ‘five-a-day’ means and why it is important.</p> <p><b>Vocabulary</b> Healthy diet and dietary requirements.</p>	.	<p><b>Skills</b> I can explain how to be safe/hygienic during the food production and storage.</p> <p>I can carefully select ingredients.</p> <p>I can understand ingredients can be fresh, pre-cooked, or processed.</p> <p>I can begin to understand about food being grown, reared, or caught in the UK or wider world.</p> <p>I can describe eat well plate and how a healthy diet=variety / balance of food and drinks.</p> <p>I can explain importance of food and drink for active, healthy bodies.</p> <p>I can use some of the following techniques independently: peeling, chopping, slicing, grating, mixing, spreading, kneading, or baking.</p> <p><b>Knowledge</b> I know why hygienic food preparation and storage is important.</p> <p>I know I need to follow a recipe.</p> <p>I know where my food comes from.</p> <p>I know what the importance of eating a healthy balanced diet is.</p> <p><b>Vocabulary</b> Savoury, hygienic, edible, reared, caught seasonal, harvested., fresh and processed,</p>	<p><b>Skills</b> I can begin to understand seasonality of foods.</p> <p>I can understand food can be grown, reared, or caught in the UK and the wider world.</p> <p>I can explain how there are different substances in food / drink needed for health.</p> <p>*I can chop food safely and independently using either the bridge or claw technique</p> <p><b>Knowledge</b> I know that food production is linked closely to the seasons.</p> <p>I know about different food production and processes.</p> <p>I know that food contains vitamins, minerals and trace elements that are vital to a healthy diet.</p> <p>I know I need to use a sharp knife safely.</p> <p><b>Vocabulary</b> Preference, protein, vitamins, nutrients and nutrition.</p>	<p><b>Skills</b> I can understand a recipe can be adapted by adding / substituting ingredients.</p> <p>I can explain seasonality of foods.</p> <p>I can learn about some food processing method and how it impacts on the food.</p> <p>I can adapt recipes to change appearance, taste, texture, or aroma.</p> <p>I can describe some of the different substances in food and drink, and how they can affect health.</p> <p>I can prepare and cook a variety of savoury dishes safely and hygienically including, where appropriate, the use of heat source.</p> <p><b>Knowledge</b> I know I need to adapt a recipe to suit dietary requirements.</p> <p>I know what the different processes food can go through and what impact it has on nutrition.</p> <p>I understand that some food has greater health benefits than others.</p> <p>I know I need to use a cooker safely.</p> <p><b>Vocabulary</b> Wholemeal, unleavened, carbohydrate, gluten, dairy, allergy, intolerance and savoury.</p>
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Technical knowledge Electrical System				<p><b>Skills</b> I can use simple circuit in product.</p> <p>I can incorporate a switch into the product.</p> <p>I can use number of components in circuit.</p> <p><b>Knowledge</b> I know that switches can be used in a circuit.</p> <p>I know why a circuit work.</p>		<p><b>Skills</b> I can incorporate switch/lights/timers into product.</p> <p>I can program a computer to control product.</p> <p>I can think of ways in which adding a circuit would improve product.</p> <p><b>Knowledge</b> I know you can incorporate switches, lights, and timers into my circuit for a purpose.</p> <p>I know I need to programme the computer to control the product.</p>	

				<p><b><u>Vocabulary</u></b> Series circuit, fault, connection and toggle</p>		<p>I know I need to build circuits safely.</p> <p><b><u>Vocabulary</u></b> reed switch, light dependent resistor (LDR), tilt switch light emitting diode (LED),</p>	
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