



Design and Technology : Progression of Skills

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Developing, planning and communicating ideas.	<ul style="list-style-type: none"> • Draw on their own experience to help generate ideas. • Suggest ideas and explain what they are going to do. • Identify a target group for what they intend to design and make. • Model their ideas in card and paper. • Develop their design ideas applying findings from earlier research. 	<ul style="list-style-type: none"> • Generate ideas by drawing on their own and other people's experiences. • Develop their design ideas through discussion and 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"> • Generate ideas for an item, considering its purpose and the user. • Identify a purpose and establish criteria for a successful product. • Plan the order of their work before starting. • Explore, develop and communicate design proposals by modelling ideas. • Make diagrams with labels when designing. 	<ul style="list-style-type: none"> • Generate ideas, considering the purpose for which they are designing. • Make labelled diagrams from different views showing specific features. • Develop a clear idea of what has to be done, planning how to use materials, equipment and processes. • Evaluate products and identify criteria that can be used for their own designs. 	<ul style="list-style-type: none"> • Generate ideas through mindmapping and identify a purpose for their product. • Draw up a specification for their design. • Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making if the first attempts fail. • Use results of investigations, when developing design ideas. 	<ul style="list-style-type: none"> • Communicate their ideas through detailed labelled diagrams. • Develop a design specification. • Explore, develop and communicate aspects of their design proposals by modelling their ideas in a variety of ways. • Plan the order of their work, choosing appropriate materials, tools and techniques.
Working with tools, equipment, materials and components to make quality products (inc-food)	<ul style="list-style-type: none"> • With help, measure, mark out, cut and shape a range of materials. • Use tools <i>eg scissors and a hole punch</i> safely. • Assemble, join and combine materials and components together using a variety of temporary methods <i>e.g. glues or masking tape</i>. • Use basic food handling techniques, hygienic practices and personal hygiene. • Use simple finishing techniques to improve the appearance of their product. 	<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. • Follow safety procedures for food safety and hygiene. • Choose and use appropriate finishing techniques. 	<ul style="list-style-type: none"> • Select tools and techniques for making their product. • Measure, mark out, cut, score and assemble components with more accuracy. • Work safely and accurately with a range of simple tools. • Think about their ideas as they make progress and be willing change things if this helps them improve their work. • Measure, tape or pin, cut and join fabric with some accuracy. • Demonstrate hygienic food preparation and storage. • Use finishing techniques strengthen and improve the appearance of their product using a range of equipment including ICT. 	<ul style="list-style-type: none"> • Select appropriate tools and techniques for making their product. • Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques. • Join and combine materials and components accurately in temporary and permanent ways. • Sew using a range of different stitches, weave and knit. • Measure, tape or pin, cut and join fabric with some accuracy. • Use simple graphical communication techniques. 	<ul style="list-style-type: none"> • Select appropriate materials, tools and techniques. • Measure and mark out accurately. • Use skills in using different tools and equipment safely and accurately. • Weigh and measure accurately (time, dry ingredients, liquids). • Apply the rules for basic food hygiene and other safe practices <i>e.g. hazards relating to the use of ovens</i>. • Cut and join with accuracy to ensure a good-quality finish to the product. 	<ul style="list-style-type: none"> • Select appropriate tools, materials, components and techniques. • Assemble components make working models. • Use tools safely and accurately. • Construct products using permanent joining techniques. • Make modifications as they go along. • Pin, sew and stitch materials together create a product. • Achieve a quality product.
Evaluating processes and products	<ul style="list-style-type: none"> • Evaluate their product by discussing how well it works in relation to the purpose. • Evaluate their product by asking questions about what they have made and how they have gone about it. 	<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"> • Evaluate their product against original design criteria <i>e.g. how well it meets its intended purpose</i>. • Disassemble and evaluate familiar products. 	<ul style="list-style-type: none"> • Evaluate their work both during and at the end of the assignment. • Evaluate their products by carrying out appropriate tests. 	<ul style="list-style-type: none"> • Evaluate a product against the original design specification. • Evaluate it personally and seek evaluation from others. 	<ul style="list-style-type: none"> • Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests. • Record their evaluations using diagrams with labels. • Evaluate against their original criteria and suggest ways that their product could be improved.