



The Wider Curriculum at St Alban's

D&T: Progression of skills



Intent: Our wider curriculum enables each child to be a curious, enthusiastic and confident learner for life and an active and caring member of our school family and wider society.

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>DESIGN</p> <p>Developing, planning and communicating ideas.</p>	<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 their 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, observation, drawing and modelling. • Identify a purpose for what they intend to design and make. • Identify simple design 	<ul style="list-style-type: none"> • Generate ideas for an item, considering its purpose and the user/s. 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 	<ul style="list-style-type: none"> • Generate ideas considering the purposes for which they are designing. • Make labelled drawings from different views showing specific features. • 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. 	<ul style="list-style-type: none"> • Generate ideas through brainstorming 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. 	<ul style="list-style-type: none"> • Communicate ideas through detailed labelled drawings. • 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

		<p>criteria.</p> <ul style="list-style-type: none"> • Make simple drawings and label parts. 	<p>modelling ideas.</p> <ul style="list-style-type: none"> • Make drawings with labels when designing. 	<ul style="list-style-type: none"> • Evaluate products and identify criteria that can be used for their own design. 	<ul style="list-style-type: none"> • Use results of investigations, information sources, including ICT when developing design ideas. 	<p>and techniques</p>
<p>MAKE</p> <p>Working with tools, equipment, materials and components to make quality products (inc food)</p>	<ul style="list-style-type: none"> • Make their design using appropriate techniques. • With help measure, mark out, cut and shape a range of materials. • Use tools eg scissors and a hole punch safely. • Assemble, join and combine materials and components together using a variety of temporary methods e.g. glues or masking tape. • Mechanisms – Know about 	<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 	<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 	<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 	<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 e.g. hazards relating 	<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 tack fabrics, use patterns and seam allowances and join fabrics to

	<p>levers, sliders, wheels and axels</p> <ul style="list-style-type: none"> • Select and use appropriate fruit and vegetables, processes and tools. Eg to peel, cut, grate, mx and mould foods (with close supervision) • Use basic food handling, hygienic practices and personal hygiene. • Use simple finishing techniques to improve the appearance of their product 	<p>fabric to make a simple garment. Use basic sewing techniques (running stitch over sewing or glue).</p> <ul style="list-style-type: none"> • Follow safe procedures for food safety and hygiene. Select and use appropriate fruit and vegetables, processes and tools. E.g. to peel, cut, grate, mx and mould foods (with close supervision) • Choose and use appropriate finishing techniques 	<p>helps them improve their work. Measure, tape or pin, cut and join fabric with some accuracy. Demonstrate hygienic food preparation and storage.</p> <ul style="list-style-type: none"> • Use finishing techniques strengthen and improve the appearance of their product using a range of equipment including ICT. 	<p>accuracy.</p> <ul style="list-style-type: none"> • Use simple graphical communication techniques, for example cross-sectional diagrams, exploded diagrams showing components. • Food: Know how to peel, cut, grate, mix and mould and begin to cooks (using toasters and microwaves with supervision) • Mechanisms: Know about movements of simple mechanisms such as levers and linkages • Cut then join textiles, using a running stitch, over sewing, back stitch or fastening. 	<p>to the use of ovens.</p> <ul style="list-style-type: none"> • Cut, mix, mould and begin to use hobs to heat food with appropriate supervision. • Cut and join with accuracy to ensure a good-quality finish to the product. • Mechanisms: Understand how systems such as cams, pulleys or gears create movements. 	<p>achieve a quality product.</p> <ul style="list-style-type: none"> • Cut, mix, mould and use hobs to heat food, developing independence with this as appropriate.
--	---	--	--	---	---	--

				<ul style="list-style-type: none"> Understand seam allowances. Create simple patterns and appropriate decorations, eg applique. 		
<p><u>EVALUATE</u></p> <p>Evaluating processes and products</p>	<ul style="list-style-type: none"> Evaluate their product by discussing how well it works in relation to the purpose. Evaluate their products as they are developed, identifying strengths and possible changes they might make. 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 e.g. how well it meets its intended purpose. 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 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 product identifying strengths and areas for development, and carrying out appropriate tests. Record their evaluations using drawings with labels. Evaluate against their original criteria and suggest ways that their product could be improved.