Progression of Skills
in Design and Technology

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Developing, planning and communicating ideas	* 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	* 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 criteria * Make simple drawings and label parts	* 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 modelling ideas * Make drawings with labels when designing	* 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 * Evaluate products and identify criteria that can be used for their own designs	* 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 * Use results of investigations, information sources, including ICT when developing design ideas	* Communicate their 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 and techniques

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Working with tools, equipment, materials and components to make quality products (inc. food)	* 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 * Select and use appropriate fruit and vegetables, processes and tools * Use basic food handling, hygienic practices and personal hygiene * Use simple finishing techniques to improve the appearance of their product	* 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 safe procedures for food safety and hygiene * Choose and use appropriate finishing techniques	* 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	* 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	* 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 to the use of ovens * Cut and join with accuracy to ensure a good-quality finish to the product	* 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

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Evaluating processes and products	* 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	* 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	* Evaluate their product against original design criteria e.g. how well it meets its intended purpose * Disassemble and evaluate familiar products	* Evaluate their work both during and at the end of the assignment * Evaluate their products carrying out appropriate tests	* Evaluate a product against the original design specification * Evaluate it personally and seek evaluation from others	* Evaluate their products, 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