



Shortlanesend School

Smile – Learn – Excel

Design and Technology Knowledge and Skills Progression

Design - Developing, planning and communicating ideas					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I can draw on my own experience to help generate ideas.</p> <p>I can suggest ideas and explain what I am going to do Identify a target group for what I intend to design and make.</p> <p>I can model my ideas in card and paper.</p> <p>I can develop my design ideas applying findings from my research.</p>	<p>I can generate ideas by drawing on my own and other people's experiences.</p> <p>I can develop my design ideas through discussion, observation, drawing and modelling.</p> <p>I can identify a purpose for what I intend to design and make.</p> <p>I can identify simple design criteria.</p> <p>I can make simple drawings and label parts.</p>	<p>I can generate ideas for an item, considering its purpose and the user.</p> <p>I can identify a purpose and establish criteria for a successful product.</p> <p>I can plan the order of the stages of my build before I start.</p> <p>I can explore, develop and communicate design proposals by modelling ideas.</p> <p>I can make drawings with labels when designing my product/item.</p>	<p>I can generate ideas, considering the purposes for which I am designing.</p> <p>I can make labelled drawings from different views showing specific features.</p> <p>I can develop a clear idea of what must be done, planning how to use materials, equipment and processes.</p> <p>I can suggest alternative methods of making, if my first attempts fail.</p> <p>I can evaluate existing products and identify criteria that can be used for my own design.</p>	<p>I can generate ideas through brainstorming and identify a purpose for their product.</p> <p>I can draw up a specification for my design.</p> <p>I can investigation from a variety of information sources, including ICT when developing a design idea.</p>	<p>I can communicate my ideas through detailed and labelled drawings.</p> <p>I can develop a design specification linked to a brief.</p> <p>I can explore, develop and communicate aspects of my design proposals by modelling my ideas in a variety of ways.</p> <p>I can plan the order of my manufacture, choosing appropriate materials, tools and techniques.</p>
Make - Working with tools, equipment, materials and components to make quality products					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I can make my design using appropriate techniques.</p> <p>I can with support measure, mark out, cut and shape a range of materials.</p> <p>I can use tools eg scissors and a hole punch safely.</p> <p>I can assemble, join and combine materials and components together using a</p>	<p>I can begin to select tools and materials which suit my design.</p> <p>I can measure, cut and score with some accuracy.</p> <p>I can use hand tools safely and appropriately.</p> <p>I can assemble, join and combine materials in order to make my product.</p>	<p>I can select tools and techniques for making my product.</p> <p>I can measure, mark out, cut, score and assemble components with more accuracy.</p> <p>I can work safely and accurately with a range of simple tools.</p>	<p>I can select appropriate tools and techniques for making my product.</p> <p>I can measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques.</p> <p>I can join and combine materials and components</p>	<p>I can select appropriate materials, tools and techniques.</p> <p>I can measure and mark out accurately.</p> <p>I can apply my skills in using different tools and equipment safely and accurately with minimal support.</p> <p>I can weigh and measure</p>	<p>I can select appropriate tools, materials, components and techniques.</p> <p>I can assemble components to create working models.</p> <p>I can use tools safely and accurately.</p> <p>I can construct products using permanent joining techniques.</p>



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<p>variety of temporary methods e.g. glues/tape.</p> <p>I can use basic food handling and hygienic practices.</p> <p>I can use simple finishing techniques to improve the appearance of my product.</p>	<p>I can cut, shape and join fabric to make a simple garment.</p> <p>I can use basic sewing techniques.</p> <p>I can follow safe procedures for food safety and hygiene.</p> <p>I can choose and use appropriate finishing techniques.</p>	<p>I can reflect about my ideas as I make progress and am willing to change things if it improves my work.</p> <p>I can measure, tape or pin, cut and join fabric with some accuracy.</p> <p>I can demonstrate hygienic food preparation and storage.</p> <p>I can use finishing techniques to strengthen and improve the appearance of my product using a range of equipment including ICT.</p>	<p>accurately in temporary and permanent ways.</p> <p>I can sew using a range of different stitches, weave and knit.</p> <p>I can measure, tape or pin, cut and join fabric with some accuracy.</p> <p>I can use simple graphical communication techniques.</p>	<p>accurately.</p> <p>I can apply the rules for basic food hygiene and other safe practices e.g. hazards relating to the use of ovens.</p> <p>I can cut and join with accuracy to ensure a good-quality finish to my product.</p>	<p>I can make modifications as my product develops.</p> <p>I can pin, sew and stitch materials together create a product.</p>
Evaluate - Processes and products					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I can evaluate my product by discussing how well it works in relation to its purpose.</p> <p>I can evaluate my products as I develop it, identifying strengths and possible changes I might make.</p> <p>I can evaluate my product by answering questions about what I have made and how I have gone about it.</p>	<p>I can evaluate my product against my design criteria.</p> <p>I can evaluate my product as I develop, identifying strengths and possible changes I might make.</p> <p>I can talk about my ideas, saying what I like and dislike about them.</p>	<p>I can evaluate my product against the original design criteria.</p> <p>I can communicate how well my products meets its intended purpose.</p> <p>I can disassemble and evaluate familiar products.</p>	<p>I can evaluate my work both during and at the end of the assignment.</p> <p>I can evaluate my products by carrying out appropriate tests.</p>	<p>I can evaluate a product against the original design Specification.</p> <p>I can evaluate my product both personally and seek evaluation from others.</p>	<p>Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests</p> <ul style="list-style-type: none"> <input type="checkbox"/> Record their evaluations using drawings with labels <input type="checkbox"/> Evaluate against their original criteria and suggest ways that their product could be improved