

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Developing, planning and communicating ideas.</b>	40-60 Manipulates materials to achieve a planned effect. Constructs with a purpose in mind, using a variety of resources. ELG – Use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.	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
<b>Working with tools, equipment, materials and components to make quality products (inc-food)</b>	30-50 Use various construction materials Beginning to construct, stacking blocks vertically and horizontally, making enclosures and creating spaces. 40-60 Uses simple tools and techniques competently and appropriately. Selects tools and techniques needed to shape, assemble and join materials they are using.	☒ Make their design using appropriate techniques ☒ 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 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 <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	☒ 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

<p><b>Evaluating processes and products</b></p>	<p>40-60 Selects appropriate resources and adapts work where necessary</p>	<ul style="list-style-type: none"> <li>☒ Evaluate their product by discussing how well it works in relation to the purpose</li> <li>☒ Evaluate their products as they are developed, identifying strengths and possible changes they might make</li> <li>☒ Evaluate their product by asking questions about what they have made and how they have gone about it</li> </ul>	<ul style="list-style-type: none"> <li>☒ Evaluate against their design criteria</li> <li>☒ Evaluate their products as they are developed, identifying strengths and possible changes they might make</li> <li>☒ Talk about their ideas, saying what they like and dislike about them</li> </ul>	<ul style="list-style-type: none"> <li>☒ Evaluate their product against original design criteria <i>e.g. how well it meets its intended purpose</i></li> <li>☒ Disassemble and evaluate familiar products</li> </ul>	<ul style="list-style-type: none"> <li>☒ Evaluate their work both during and at the end of the assignment</li> <li>☒ Evaluate their products carrying out appropriate tests</li> </ul>	<ul style="list-style-type: none"> <li>☒ Evaluate a product against the original design specification</li> <li>☒ Evaluate it personally and seek evaluation from others</li> </ul>	<ul style="list-style-type: none"> <li>☒ Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests</li> <li>☒ Record their evaluations using drawings with labels</li> <li>☒ Evaluate against their original criteria and suggest ways that their product could be improved</li> </ul>
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