



## PROGRESSION OF SKILLS IN DESIGN TECHNOLOGY

|                                                      | EYFS                                                                                                                                                                                                                                                               | Year 1                                                                                                                                                                                                                                                                                                                                                                               | Year 2                                                                                                                                                                                                                                                                                                                                                                                  | Year 3                                                                                                                                                                                                                                                                                                                                                                                            | Year 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Year 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Year 6                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Children will:</b>                                |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Developing, planning and communicating ideas.</b> | <ul style="list-style-type: none"> <li>• Make use of props and materials when roleplaying characters in narratives and stories</li> <li>• Talk about what they would like to make, how they will do it and what they think about it when it is finished</li> </ul> | <ul style="list-style-type: none"> <li>• Draw on their own experience to help generate ideas</li> <li>• Suggest ideas and explain what they are going to do</li> <li>• Identify a target group for what they intend to design and make</li> <li>• Model their ideas in card and paper</li> <li>• Develop their design ideas applying findings from their earlier research</li> </ul> | <ul style="list-style-type: none"> <li>• Generate ideas by drawing on their own and other people's experiences</li> <li>• Develop their design ideas through discussion, observation, drawing and modelling</li> <li>• Identify a purpose for what they intend to design and make</li> <li>• Identify simple design criteria</li> <li>• Make simple drawings and label parts</li> </ul> | <ul style="list-style-type: none"> <li>• Generate ideas for an item, considering its purpose and the user/s</li> <li>• Identify a purpose and establish criteria for a successful product.</li> <li>• Plan the order of their work before starting</li> <li>• Explore, develop and communicate design proposals by modelling ideas</li> <li>• Make drawings with labels when designing</li> </ul> | <ul style="list-style-type: none"> <li>• Generate ideas, considering the purposes for which they are designing</li> <li>• Make labelled drawings from different views showing specific features</li> <li>• 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</li> <li>• Evaluate products and identify criteria that can be used for their own designs</li> </ul> | <ul style="list-style-type: none"> <li>• Generate ideas through brainstorming and identify a purpose for their product</li> <li>• Draw up a specification for their design</li> <li>• 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</li> <li>• Use results of investigations, information sources, including ICT when developing design ideas</li> </ul> | <ul style="list-style-type: none"> <li>• Communicate their ideas through detailed labelled drawings</li> <li>• Develop a design specification</li> <li>• Explore, develop and communicate aspects of their design proposals by modelling their ideas in a variety of ways</li> <li>• Plan the order of their work, choosing appropriate materials, tools and techniques</li> </ul> |

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| <p><b>Working with tools, equipment, materials and components to make quality products (inc-food)</b></p> | <ul style="list-style-type: none"> <li>• Taught how to use tools such as scissors, hole punch, string, sellotape, cutters etc.</li> <li>• Safely use and explore a variety of materials, tool and techniques, experimenting with colour, design, texture, form and function</li> <li>• Have daily opportunities to make their own creations using a wide range of different materials, fixings and tools which are freely available continuous provision</li> </ul> | <ul style="list-style-type: none"> <li>• Make their design using appropriate techniques</li> <li>• With help measure, mark out, cut and shape a range of materials</li> <li>• Use tools eg scissors and a hole punch safely</li> <li>• Assemble, join and combine materials and components together using a variety of temporary methods e.g. glues or masking tape</li> <li>• Select and use appropriate fruit and vegetables, processes and tools</li> <li>• Use basic food handling, hygienic practices and personal hygiene</li> <li>• Use simple finishing techniques to improve the appearance of their product</li> </ul> | <ul style="list-style-type: none"> <li>• Begin to select tools and materials; use vocab' to name and describe them</li> <li>• Measure, cut and score with some accuracy</li> <li>• Use hand tools safely and appropriately</li> <li>• Assemble, join and combine materials in order to make a product</li> <li>• Cut, shape and join fabric to make a simple puppet. Use basic sewing techniques</li> <li>• Follow safe procedures for food safety and hygiene</li> <li>• Choose and use appropriate finishing techniques</li> </ul> | <ul style="list-style-type: none"> <li>• Select tools and techniques for making their product</li> <li>• Measure, mark out, cut, score and assemble components with more accuracy</li> <li>• Work safely and accurately with a range of simple tools</li> <li>• Think about their ideas as they make progress and be willing change things if this helps them improve their work</li> <li>• Measure, tape or pin, cut and join fabric with some accuracy</li> <li>• Demonstrate hygienic food preparation and storage</li> <li>• Use finishing techniques strengthen and improve the appearance of their product using a range of equipment including ICT</li> </ul> | <ul style="list-style-type: none"> <li>• Select appropriate tools and techniques for making their product</li> <li>• Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques</li> <li>• Join and combine materials and components accurately in temporary and permanent ways</li> <li>• Sew using a range of different stitches, weave and knit</li> <li>• Measure, tape or pin, cut and join fabric with some accuracy</li> <li>• Use simple graphical communication techniques</li> </ul> | <ul style="list-style-type: none"> <li>• Select appropriate materials, tools and techniques</li> <li>• Measure and mark out accurately</li> <li>• Use skills in using different tools and equipment safely and accurately</li> <li>• Weigh and measure accurately (time, dry ingredients, liquids)</li> <li>• Apply the rules for basic food hygiene and other safe practices e.g. hazards relating to the use of ovens</li> <li>• Cut and join with accuracy to ensure a good-quality finish to the product</li> </ul> | <ul style="list-style-type: none"> <li>• Select appropriate tools, materials, components and techniques</li> <li>• Assemble components to make models</li> <li>• Use tools safely and accurately</li> <li>• Construct products using permanent joining techniques</li> <li>• Make modifications as they go along</li> <li>• Pin, sew and stitch materials together create a product</li> <li>• Achieve a quality product</li> </ul> |
| <p><b>Evaluating processes and products</b></p>                                                           | <ul style="list-style-type: none"> <li>• Share their creations explaining the process they have used</li> <li>• Evaluate what they made and make changes as appropriate</li> </ul>                                                                                                                                                                                                                                                                                  | <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 e.g. how well it meets its intended purpose</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>                                                                                           |