

| Design and Technology – Next Steps Programme of Study |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                        |
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|                                                       | Design                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Evaluate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Technical Knowledge                                                                                                                                                                                                                                                                                                                                    |
| <b>30-50 months</b>                                   | <ul style="list-style-type: none"> <li>• Use various construction materials</li> <li>• Begin to construct, stacking blocks vertically and horizontally, making enclosures and creating spaces</li> <li>• Join construction pieces together to build and balance</li> <li>• Realise tools can be used for a purpose</li> </ul>                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                        |
| <b>40-60+ months</b>                                  | <ul style="list-style-type: none"> <li>• Construct with a purpose in mind, using a variety of resources</li> </ul>                                                                                                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>• Use simple tools and techniques competently and appropriately</li> <li>• Select appropriate resources</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>• Selects appropriate resources and adapts work where necessary</li> </ul>                                                                                                                                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>• Select tools and techniques needed to shape, assemble and join materials they are using</li> </ul>                                                                                                                                                                                                            |
| <b>ELGs 2021</b>                                      | <ul style="list-style-type: none"> <li>• Begin to show accuracy and care when drawing</li> </ul>                                                                                                                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>• Use a range of small tools, including scissors, paintbrushes and cutlery</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"> <li>• Share their creations, explaining the process they have used</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>• Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function</li> </ul>                                                                                                                                                                 |
| <b>Year 1 and Year 2</b>                              | <ul style="list-style-type: none"> <li>• Use their knowledge of existing products and their own experience to help generate their ideas;</li> <li>• Design products that have a purpose and are aimed at an intended user</li> <li>• Explain how their products will look and work through talking and simple annotated drawings</li> <li>• Design models using simple computing software</li> <li>• Plan and test ideas using templates and mock-ups</li> </ul> | <p>Planning:</p> <ul style="list-style-type: none"> <li>• With support, follow a simple plan or recipe</li> <li>• Begin to select from a range of hand tools and equipment, such as scissors, graters, zesters, safe knives, juicer</li> <li>• Select from a range of materials, textiles and components according to their characteristics</li> </ul> <p>Practical skills and techniques:</p> <ul style="list-style-type: none"> <li>• Learn to use hand tools and kitchen equipment safely and appropriately and learn to follow hygiene procedures</li> </ul> | <ul style="list-style-type: none"> <li>• Explore and evaluate existing products mainly through discussions, comparisons and simple written evaluations</li> <li>• Explain positives and things to improve for existing products</li> <li>• Explore what materials products are made from</li> <li>• Talk about their design ideas and what they are making</li> <li>• As they work, start to identify strengths and possible changes they might make to refine their existing design</li> </ul> | <ul style="list-style-type: none"> <li>• Build simple structures, exploring how they can be made stronger, stiffer and more stable</li> <li>• Talk about and start to understand the simple working characteristics of materials and components</li> <li>• Explore and create products using mechanisms, such as levers, sliders and wheels</li> </ul> |

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|  | <ul style="list-style-type: none"> <li>• Understand and follow simple design criteria</li> <li>• Work in a range of relevant contexts, for example imaginary, story-based, home, school and the wider environment</li> </ul> | <ul style="list-style-type: none"> <li>• Use a range of materials and components, including textiles and food ingredients</li> <li>• With help, measure and mark out</li> <li>• Cut, shape and score materials with some accuracy</li> <li>• Assemble, join and combine materials, components or ingredients</li> <li>• Demonstrate how to cut, shape and join fabric to make a simple product;</li> <li>• Manipulate fabrics in simple ways to create the desired effect</li> <li>• Use a basic running stitch</li> <li>• Cut, peel and grate ingredients, including measuring and weighing ingredients using measuring cups</li> <li>• Begin to use simple finishing techniques to improve the appearance of their product, such as adding simple decorations</li> </ul> | <ul style="list-style-type: none"> <li>• Evaluate their products and ideas against their simple design criteria</li> <li>• Start to understand that the iterative process sometimes involves repeating different stages of the process</li> </ul> |  |
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