

## Design Technology Summer Curriculum overview

|        | EYFS                                                                                                                                                                                                                                                                                                  | Year 1                                                                                                                                                                                                                                                                                                                                | Year 2                                                                                                                                                                                                                                                                                                                                                                 | Year 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Year 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Year 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Year 6                                                                                                                                                                                                     |
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| Summer | <p><b><u>Animals</u></b></p> <p>To design and make an animal in clay.</p> <p>Create and learn an animal dance.</p> <p>Role play and create animal stories.</p> <p><b><u>Plants</u></b></p> <p>To observe the seeds we plant over time and draw their activity.</p> <p>Draw and paint a sunflower.</p> | <p><b><u>Structures - Pencil Pot</u></b></p> <p>Design a pencil pot for a particular user.</p> <p>Choose the best method for joining the parts of the product.</p> <p>Make evenly spaced cuts.</p> <p>Use scissors to cut out a shape neatly and accurately.</p> <p>Explain what they like and dislike about their final product.</p> | <p><b><u>Structures – Baby Bear’s Chair</u></b></p> <p>Explore the concept and features of structures and the stability of different shapes.</p> <p>Understand that the shape of the structure affects its strength.</p> <p>Make a structure according to design criteria.</p> <p>Produce a finished structure and evaluate its strength, stiffness and stability.</p> | <p><b><u>Mechanical Systems - Pneumatic toys</u></b></p> <p>Draw accurate diagrams with correct labels, arrows and explanations.</p> <p>Communicate two ideas using thumbnail sketches.</p> <p>Communicate and develop one idea using an exploded diagram.</p> <p>Select appropriate equipment and materials to build a working pneumatic system.</p> <p>Assemble their pneumatic system within the housing to create the desired motion.</p> <p>Create a finished pneumatic toy that fulfils the design brief.</p> | <p><b><u>Food – Adapting a Recipe</u></b></p> <p>Follow a baking recipe.</p> <p>Taste test different ingredients.</p> <p>Make and test a prototype.</p> <p>Design a biscuit to a given budget.</p> <p>Make a biscuit and packaging.</p> <p><b><u>Mechanical Systems - Making a slingshot car</u></b></p> <p>Build a car chassis .</p> <p>Design a shape that reduces air resistance.</p> <p>Make a model based on a chosen design.</p> <p>Assemble and test a completed product.</p> | <p><b><u>Textiles – Stuffed Toys</u></b></p> <p>Design a stuffed toy, considering the main component shapes of their toy.</p> <p>Create an appropriate template for their stuffed toy.</p> <p>Join two pieces of fabric using a blanket stitch.</p> <p>Use appliqué or decorative stitching to decorate the front of their stuffed toy.</p> <p>Use blanket stitch to assemble their stuffed toy, repairing when needed.</p> <p>Identify what worked well and areas for improvement.</p> | <p><b><u>Textiles – Waistcoats</u></b></p> <p>Design a waistcoat</p> <p>Mark and cut fabric according to a design</p> <p>Assemble a waist coat</p> <p>Decorate a waistcoat</p> <p>Evaluate a waistcoat</p> |