

DT Design, Build and Evaluate (DBE) Outcomes & Sequencing Yearly Overview Map

Year	Autumn 2	Spring 2	Summer 2
Nursery	Sculpture	Construction	Cooking & Nutrition
Reception	Sculpture	Construction	Cooking & Nutrition
Year 1	<p>Cooking & Nutrition</p> <p>DBE: A fruit kebab/ vegetable bowl</p> <p>Sequence: Introduction to principles of nutrition</p> <p>Technical: Using simple tools and utensils safely.</p>	<p>Mechanical Systems</p> <p>DBE: A moving mini-beast (linked to book)</p> <p>Sequence: Introduction into simple levers.</p> <p>Technical: Using a pivot and lever mechanism.</p>	<p>Stable Structures</p> <p>DBE: Design a simple cuboid structure (garage)</p> <p>Sequence: Introduction to structure</p> <p>Technical: Explore strength and stability (roof, wall, stand up)</p>
Year 2	<p>Textiles</p> <p>DBE: Glove puppet for a purpose.</p> <p>Sequence: Introduction to textiles.</p> <p>Technical: Stitching using a needle and thread.</p>	<p>Mechanical Systems</p> <p>DBE: A vehicle with wheels, axles and chassis.</p> <p>Sequence: Introduction to following a design.</p> <p>Technical: Understanding of axle and chassis.</p>	<p>Cooking & Nutrition</p> <p>DBE: A pizza using a variety of food toppings</p> <p>Sequence: Introduction to balanced diet & Proportion</p> <p>Technical: Creating a recipe across different food groups.</p>
Year 3	<p>Mechanical Systems</p> <p>DBE: A story book with moving parts.</p> <p>Sequence: Building on learning from Year 1 (Levels)</p> <p>Technical: Wheel mechanism</p>	<p>Stable Structures</p> <p>DBE: To design a structure that holds a particular object (A pebble)</p> <p>Sequence: Building on following a design template in Year 1</p> <p>Technical: Explore mass and weight distribution.</p>	<p>Programming and Electrical Systems</p> <p>DBE: Light up sign using a circuit and switch</p> <p>Sequence: Introduction to electrical circuits.</p> <p>Technical: Strip, twist and join wire to make permanent connections.</p>
Year 4	<p>Textiles</p> <p>DBE: Seasonal stockings</p> <p>Sequence: Introduction to different types of stitch.</p>	<p>Stable Structures</p> <p>DBE: To design a mini greenhouse</p> <p>Sequence: More complex structures using a variety of 3D nets</p>	<p>Cooking & Nutrition</p> <p>DBE: A nutritious menu including meatballs</p> <p>Sequence: Introduction to cooking techniques</p>

	<p>Technical: Embroider, threading needle.</p>	<p>Technical: Weight of the structure needs to be evenly spread on the base to make it more secure.</p>	<p>Technical: Cooking skills (whisking, folding, dicing)</p>
Year 5	<p>Stable Structures</p> <p>DBE: A bridge for a character.</p> <p>Sequence: Introduction to suspension, truss and prototype</p> <p>Technical: More stable structures for strength using beams and arches.</p>	<p>Mechanical Systems</p> <p>DBE: Chinese New Year decoration</p> <p>Sequence: Explore how different transmissions create movements.</p> <p>Technical: Use a crank to change a motion on a transmission from circular to linear.</p>	<p>Textiles</p> <p>DBE: A drawstring bag</p> <p>Sequence: Introduction to pattern.</p> <p>Technical: Button hole, whip stitch.</p>
Year 6	<p>Programming and Electrical Systems</p> <p>DBE: Create 3D designs using Tinkercad</p> <p>Sequence: Transitional- introduction to CAD</p> <p>Technical: Computer Aided design.</p>	<p>Stable Structure:</p> <p>DBE: A wooden birdhouse.</p> <p>Sequence: Transitional- woodwork</p> <p>Technical: Strengthen using tools safely.</p>	<p>Cooking & Nutrition</p> <p>DBE: Design a meal (burger) with a selection of condiments reflecting world cultures.</p> <p>Sequence: Using a combination of cooking skills across all food groups.</p> <p>Technical: Following complex recipes</p>