

Curriculum Intent and Breadth– Design Technology



Design and Technology Intent

At Brook, our children as designers, will develop their knowledge and skills in the areas of cooking and nutrition, textiles, construction, materials, mechanisms and electrics and electronics through a process of designing, making, evaluating and improving. They will take inspiration from history, the local community and the wider world.

	Autumn Term	Spring Term	Summer Term
Pre-school	<p><u>Cooking and Nutrition</u> Food tasting from different cultures Making Gingerbread Men</p> <p><u>Construction</u> Junk Modelling – Building for a purpose. Designing and building for a purpose</p>	<p><u>Cooking and Nutrition</u> Making hot cocoa, Food tasting – Making pancakes Making food for the Jungle tea party</p> <p><u>Construction</u> Join materials and explore texture</p>	<p><u>Cooking and Nutrition</u> Making popcorn, pancakes. Food tasting.</p> <p><u>Construction</u> Explore how things work (transport/vehicles Join materials and explore texture (weaving)</p>
Reception	<p><u>Constructing</u> with a purpose in mind Explore how things work</p> <p><u>Circuits</u> Explore torches (light and dark) and how a circuit works.</p>	<p><u>Push and pull</u> – Magnets and forces</p> <p><u>Cooking and Nutrition</u> – Gruffalo recipes Scrambled snake, Gruffalo crumble</p>	<p><u>Cooking and Nutrition</u> Ice lollies/fruit kebabs Organise a picnic</p> <p><u>Textiles</u> – Make a pirate hat/crown Design and make a picnic blanket</p> <p><u>Constructing</u> with a purpose in mind – incorporating the design process as a part of their making and building.</p>
Year 1	<p><u>Mechanisms</u> Moving transport picture</p>	<p><u>Cooking and Nutrition</u> London landmark biscuits</p>	<p><u>Materials</u> Face masks</p>
Year 2	<p><u>Textiles</u> Talking textiles: Puppets</p>	<p><u>Construction</u> Build a free standing structure (house)</p>	<p><u>Materials</u> Design a parachute and landing craft to enable a safe moon landing without damage</p>
Year 3	<p><u>Construction</u> Magnetic Photo Frames</p>	<p><u>Cooking and Nutrition</u> Dips and Dippers</p>	<p><u>Structures</u> Chocolate Box packaging</p>
Year 4	<p><u>Textiles</u> Children’s book character cushion</p>	<p><u>Electric & Electronics</u> Alarms</p>	<p><u>Mechanisms</u> How will your beast open its mouth?</p>

Year 5	<u>Construction</u> Replica Anglo-Saxon settlement	<u>Cooking and Nutrition</u> A cake fit for a monarch	<u>Electric & Electronics</u> Terrific torches
Year 6	<u>Textiles</u> House flags	<u>Materials</u> Personalised pencil cases	<u>Mechanisms</u> Automata Wordsley