

Intent

At Beechwood Primary School, we offer children the chance to use creative thinking and design within a defined purpose and tangible outcome. Through a variety of creative and practical activities, pupils are taught the knowledge, understanding and skills needed to engage in a process of designing and making. They work in a range of contexts often linked to a humanities topic and encourage cross curricular links to be made. Through the study of DT, pupils acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. High quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation. Activities are the planned, weaving the RESPECT values throughout each session. Learning Challenges are introduced in most sessions, encouraging children to take an active role in their learning, but also to help learning becoming sticky!

	Autumn	Spring	Summer
Year R	<p style="text-align: center;">Design and Technology</p> <p style="text-align: center;">Design and make a large scale scarecrow using a variety of resources</p>	<p style="text-align: center;">Food Preparation</p> <p style="text-align: center;">Peel, chop and grate a variety of foods using a range of tools safely</p>	<p style="text-align: center;">Sliding Mechanisms</p> <p style="text-align: center;">Design and make a zoo animal linked to class text 'Dear Zoo'</p> <p style="text-align: center;">Malleable materials</p> <p style="text-align: center;">Design and make an animal using dough or clay, exploring using tools safely</p>
Year N	<p style="text-align: center;">Model making</p> <p style="text-align: center;">Design and make a simple model with the addition of extra features.</p> <p style="text-align: center;">Den Building</p> <p style="text-align: center;">Working collaboratively to design dens based on suitable materials.</p>	<p style="text-align: center;">Junk Modelling</p> <p style="text-align: center;">Expanding on skills from Autumn term from den building. Creating props that aid everyday life by exploring different materials.</p>	<p style="text-align: center;">Exploring Materials</p> <p style="text-align: center;">Inspired by Piet Mondrian's work children are to explore materials and how to construct them safely .</p>
Year 1	<p style="text-align: center;">Moving Pictures</p> <p style="text-align: center;">How can you make a picture move?</p>	<p style="text-align: center;">Moving Vehicles</p> <p style="text-align: center;">How do vehicles move?</p>	<p style="text-align: center;">Cooking & Nutrition - Healthy Lunches</p> <p style="text-align: center;">What makes a healthy lunch?</p>
Year 2	<p style="text-align: center;">Cooking and Nutrition - Bread</p> <p style="text-align: center;">Why did poor Victorians eat a lot of bread?</p>	<p style="text-align: center;">Kites</p> <p style="text-align: center;">Does a kite have to be a diamond shape to fly?</p>	<p style="text-align: center;">Puppets</p> <p style="text-align: center;">Can you make a seaside puppet show?</p>

Year 3	<p>Cooking and Nutrition - Seasonal Foods</p> <p>What grows in Britain in each season and how does this affect the food that we eat?</p>	<p>Moving Monsters</p> <p>How can you make a monster move?</p>	<p>Stone Age Storybooks</p> <p>How can you make a book interactive?</p>
Year 4	<p>Mini Greenhouses</p> <p>How can we recreate the Egyptian climate to help us to grow food?</p>	<p>Light Up Messages</p> <p>Can we use electricity to light up a message?</p>	<p>Money Containers</p> <p>How can you stop the Romans from losing all of their coins?</p>
Year 5	<p>Bridges</p> <p>Why don't bridges collapse?</p>	<p>Birdhouses</p> <p>Can you create the perfect home for a bird?</p>	<p>Cooking and Nutrition - Global Foods</p> <p>Why do diets around the world vary?</p>
Year 6	<p>Programming</p> <p>How can you open and close a door automatically?</p>	<p>British & Chinese Inventions</p> <p>How do we use British and Chinese inventions today?</p>	<p>Brazilian Costumes</p> <p>How can you recreate a Brazilian costume?</p>