

**At Lantern Lane Primary and Nursery School, we value Design Technology.**

Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. Pupils should acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils should learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.

### LLPS DT Curriculum Overview

	Autumn	Spring	Summer
<b>EYFS F1</b>	<p><b>PSED</b> – Children play happily both alone and as part of a small group. <b>CaL</b> – Children understand and follow the routines and expectations of Nursery with few reminders. Children are beginning to ask questions and can answer simple questions. <b>Phys Dev</b> – Children can use scissors to cut along a straight line. They are beginning to use a variety of tools and equipment, including an knife and fork. They know when to ask an adult for help. <b>Maths</b> – They are beginning to name common 2D shapes. <b>UtW</b> – Children can talk about what they have observed in their local environment and the impact their behaviour has on this. They are starting to demonstrate an understanding of how things work and why things happen. <b>EAD</b> – Children can combine various construction materials to achieve a desired effect, sometimes with the support of an adult.</p>		
<b>F2</b>	<p><b>ELG – Creating with Materials</b> – Safely use and explore a variety of materials and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used. Make use of props and materials when role playing characters in narratives and stories.</p>		
<b>Y1</b>	<p><b>Castles, Kings &amp; Queens: Textiles – Royal Cloaks</b> Printing, simple stitching, repeating patterns.</p>	<p><b>London’s Burning: Construction – Moving Pictures</b> Using levers and sliders. Joining materials, strengthening, developing cutting skills.</p>	<p><b>Our Incredible Islands: Food and Nutrition – Flapjacks</b> Investigating products, taste testing, food hygiene, planning recipe, cutting/food preparation.</p>
<b>Y2</b>	<p><b>Explorers: Food and Nutrition – Making dough.</b> Eat well plate. Food hygiene Measuring, mixing, kneading. Comparing dough. Sweet and savoury scones.</p>	<p><b>Wish You Were Here: Textiles</b> Making puppets, research, design, different fixings, cutting and using templates.</p>	<p><b>Safari Vehicles: Construction – Moving Vehicles</b> Making a wheeled vehicle with axles on a wooden frame.</p>
<b>Y3</b>	<p><b>Stone Age: The Land Before Time: Food and Nutrition – Stone Age Banquet</b> Fruit salad and soup making, seasonal foods to be included in each. Development of cutting strategies. Tasting, testing, improving. Foraging in the school garden.</p>	<p><b>Ancient Egyptians – Tomb Raiders -Construction – Barer Chairs/Thrones</b> – wooden frames, joins, cutting, prototypes, strengthening, textiles, aesthetic finishing.</p>	<p><b>Rainforests: Textiles – Making a Rainforest Cushion</b> Design, plan, evaluate, practice, print. Batik. Screen printing with ink and stencils.</p>
<b>Y4</b>	<p><b>Mediterranean Mission: Food and Nutrition</b> Exploring regional food from Italy. Focus on bread. Investigating different breads. Recipes, taste testing, sample making, recipe adjustment.</p>	<p><b>Romans on the Rampage: Construction – Battering Rams</b> Develop wooden framed vehicles with wheeled axles and building in electric elements.</p>	<p><b>Local Study: Textiles – Printed Bag</b> Design and make simple printing blocks. Simple taped join, Button fastening.</p>
<b>Y5</b>	<p><b>Rivers, Mountains, Islands – Food and Nutrition - Food from around the world</b> Hygiene, recipe adjusting, cutting, seasonality, regional food, seasoning, using different cooking strategies.</p>	<p><b>Raiders and Settlers: Construction – Moving Monsters</b> Using pneumatics, levers, cams and pulleys. Using tools safely.</p>	<p><b>Marvellous Mayans: Textiles – Printed Bags</b> Design and make own printing blocks, compound printing, fixing paint, sewing seams, drawstring fastenings.</p>
<b>Y6</b>	<p><b>It’s All Greek To Me: Food and Nutrition – Greek Taverna</b> Market research, meal/recipe development based on samples , budgeting, organising an event, cooking sweet and savoury dishes.</p>	<p><b>South America: Textiles – Animal Printing</b> Screen printing with own design stencil. Fixing.</p>	<p><b>Crime and Punishment: Construction - Transportation Ships</b> Layered wooden frame, pulley for sails, gears, cogs for steering. Strengthening, prototypes, choosing appropriate tools.</p>