

At Lantern Lane, we value Design Technology. Design and technology is an inspiring, rigorous and practical subject through which pupils come to understand the value of continued hard work. Using creativity and imagination, pupils design and make products that solve real and relevant problems, giving them the skills for later life. Making decisions and considering safety for all, 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 manage risks, becoming resourceful, innovative, enterprising and capable. 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. There is a strong emphasis on the food and nutrition aspects of the curriculum, supporting our children to develop lifelong habits for healthy bodies & minds. 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 |
|----|---|--|--|
| F1 | <p>Areas of learning: Physical Development (Moving & Handling); Expressive Arts & Design (Exploring & Using Media & Materials/Being Imaginative) and Health & Self-Care. Use a variety of tools and equipment for a given purpose, e.g. scissors to make cuts in paper/ a hammer to push a golf tee into a pumpkin/ a thread to make a necklace out of buttons. Begin purposeful construction using a variety of materials, e.g. lego, wooden blocks, parts of a marble run. Begin to solve problems (with support) through evaluating what they have done, e.g. make changes to marble run so marble completes journey. Develop an understanding of using tools safely.</p> | | |
| F2 | <p>Using tools with increasing control to change materials in a variety of ways including combining them for given purpose, e.g. box model dinosaur. Design & make food items in the context of healthy eating, e.g. fruit kebabs. They experiment with form, function, colour & design, selecting tools & techniques, to shape, assemble & join materials, e.g. cardboard rocket. Plan the use of a variety of construction materials to achieve an aim and make improvements following evaluation, e.g. constructing a castle.</p> | | |
| Y1 | <p>Castles, Kings & Queens: Textiles - Royal Cloaks Printing, simple stitching, repeating patterns.</p> | <p>London's Burning: Construction - Moving Pictures Using levers and sliders. Joining materials, strengthening, developing cutting skills.</p> | <p>Our Incredible Islands: Food and Nutrition - Flapjacks Investigating products, taste testing, food hygiene, planning recipe, cutting/food preparation.</p> |
| Y2 | <p>Explorers: Food and Nutrition - Making dough. Eat well plate. Food hygiene Measuring, mixing, kneading. Comparing dough. Pizzas and scones.</p> | <p>World War II: Construction - Moving Battlefield. Using levers and simple pulleys to move objects. Making a wheeled vehicle with axles on a wooden frame.</p> | <p>Wish You Were Here: Textiles Making puppets, research, design, different fixings, cutting and using templates.</p> |
| Y3 | <p>Stone Age: The Land Before Time: Food and Nutrition - Stone Age Banquet 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>Ancient Egyptians - Tomb Raiders -Construction - Shadufs - forest school outdoor learning, larger tools to cut and join materials; working safely. Barer Chairs/Thrones - wooden frames, joins, cutting, prototypes, strengthening, textiles, aesthetic finishing.</p> | <p>Rainforests: Textiles - Making a Rainforest Cushion Design, plan, evaluate, practice, print. Batik. Screen printing with ink and stencils.</p> |
| Y4 | <p>Mediterranean Mission: Food and Nutrition Exploring regional food from Italy. Focus on bread. Investigating different breads. Recipes, taste testing, sample making, recipe adjustment.</p> | <p>Romans on the Rampage: Construction - Chariots Develop wooden framed vehicles with wheeled axles and building in electric elements.</p> | <p>Local Study: Textiles - Printed Bag Design and make simple printing blocks. Simple taped join, Button fastening.</p> |
| Y5 | <p>Rivers, Mountains, Islands - Food and Nutrition - Food from around the world Hygiene, recipe adjusting, cutting, seasonality, regional food, seasoning, using different cooking strategies.</p> | <p>Raiders and Settlers: Construction - Moving Monsters Using pneumatics, levers, cams and pulleys. Using tools safely.</p> | <p>Marvellous Mayans: Textiles - Printed Bags Design and make own printing blocks, fixing paint, sewing seams, drawstring fastenings.</p> |
| Y6 | <p>It's All Greek To Me: Food and Nutrition - Greek Taverna Market research, meal/recipe development based on samples , budgeting, organising an event, cooking sweet and savoury dishes.</p> | <p>South America: Textiles - Animal Printing and Quilting Screen printing with own design stencil. Fixing. Quilting using stitching around patterns to make an embossed cushion.</p> | <p>Crime and Punishment: Construction - Transportation Ships Layered wooden frame, pulley for sails, gears, cogs for steering. Strengthening, prototypes, choosing appropriate tools.</p> |