

Old Leake Primary Academy DT Overview

	Autumn	Spring	Summer
EYFS	<p align="center">Creating with materials</p> <p>Children are expected to explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form, and function. Children are to be creative using a range of materials and to explain what they have made and to use what they have made for a purpose.</p>		
Year 1	<p align="center">Textiles</p> <p align="center"><i>Designing a Kite</i></p>	<p align="center">Structures</p> <p align="center"><i>Designs exploring a range of joining techniques</i></p>	<p align="center">Cookery</p> <p align="center"><i>Designing dishes using locally sourced ingredients</i></p>
Year 2	<p align="center">Levers</p> <p align="center"><i>Using simple levers design a working picture for a child demonstrating, for example 'cut out' castle or a working portcullis</i></p>	<p align="center">Cookery</p> <p align="center"><i>Using medieval ingredients and forest skills.</i></p>	<p align="center">Electrical Circuits</p> <p align="center"><i>Design a working lighthouse</i></p>
Year 3	<p align="center">Cooking</p> <p align="center"><i>Knowledge and understanding of our present-day diet compared to our ancestors.</i></p>	<p align="center">Levers</p> <p align="center"><i>Investigating and making levers to create actions- eg 'erupting volcanoes.</i></p>	<p align="center">Axles, Wheels, and Frames.</p> <p align="center"><i>Making Roman chariots- applying learning about Roman culture.</i></p>
Year 4	<p align="center">Cooking</p> <p align="center"><i>Using the knowledge of local farming to design a dish that would have been served in Anglo-Saxon Lincolnshire</i></p>	<p align="center">Pulleys</p> <p align="center"><i>Designing a cable car that would transport people up a mountain and across a valley</i></p>	<p align="center">Levers and frame structures</p> <p align="center"><i>Applying knowledge of Egyptian irrigation methods to build working models of a Shaduf.</i></p>
Year 5	<p align="center">Frame Structures</p> <p align="center"><i>Application of knowledge of the Viking culture</i></p>	<p align="center">Cooking</p> <p align="center"><i>Using knowledge of the Mexican culture to design a traditional dish</i></p>	<p align="center">Computer Aided Design</p> <p align="center"><i>Application of knowledge of Greek Architecture</i></p>
Year 6	<p align="center">Digital Control</p> <p align="center"><i>Knowledge of digital circuitry and design is applied to design and programme 'Crumble' devices with a motor and lights</i></p>	<p align="center">Cams and frame structures</p> <p align="center"><i>Using knowledge of typical Victorian toys to design a cam-based moving toy suitable for a child of the era</i></p>	<p align="center">Textiles</p> <p align="center"><i>Knowledge of the 'Make do and mend' wartime ethos is applied to create thrifty garments and accessories</i></p>