

# Old Leake Primary Academy DT Overview

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