



Design and Technology

One unit of work to be completed each term

| Planning Overview for Design Technology | | | |
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| EYFS | <p>Expressive Arts and Design Creating with Materials ELG Children at the expected level of development will:</p> <ul style="list-style-type: none"> • Safely use and explore a variety of materials, tools 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>Fine Motor Skills</p> <ul style="list-style-type: none"> • Use a range of small tools, including scissors, paint brushes and cutlery • Begin to show accuracy and care when drawing <p>Speaking</p> <ul style="list-style-type: none"> • Express their ideas and feelings about their experiences using full sentences <p>Listening, Attention and Understanding</p> <ul style="list-style-type: none"> • Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions • Make comments about what they have heard and ask questions to clarify their understanding <p>Managing Self</p> <ul style="list-style-type: none"> • Understand the importance of healthy food choices | |
| Cycle A | | | |
| | Autumn | Spring | Summer |
| Year 1 & 2 | <p>Mechanisms Sliders & Levers</p> | <p>Food Preparing fruit and vegetables</p> | <p>Textiles Templates & Joining Techniques</p> |
| Year 3 & 4 | <p>Structures Shell Structures</p> | <p>Food Healthy and Varied Diet including cooking and nutrition requirements of the national curriculum</p> | <p>Textiles 2D shape to 3D Product</p> |
| Year 5 & 6 | <p>Structures Frame Structures</p> | <p>Textiles Combining Different Fabric Shapes including computer aided design</p> | <p>Food Celebrating culture and seasonality including cooking and nutrition requirements of the national curriculum</p> |



| Cycle B | | | |
|-----------------------|--|---|--|
| | Autumn | Spring | Summer |
| Year 1 & 2 | Mechanisms Wheels and Axels | Food Preparing fruit and vegetables | Structures Freestanding Structures |
| Year 3 & 4 | Electrical Systems Simple circuits and switches including programming and control. | Mechanisms Levers and Linkages | Food Healthy and Varied Diet including cooking and nutrition requirements of the national curriculum |
| Year 5 & 6 | Mechanisms Cams | Electrical Systems More complex switches and circuits including programming, monitoring and control | Food Celebrating culture and seasonality including cooking and nutrition requirements of the national curriculum |