# Yearly overview for Design & Technology

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|---|---|---|---|---|---|---|
| **Nursery** | **Expressive Arts & Design:** Activities chosen for the interest and needs of the children & planned accordingly. | | | | | |
| **Reception** | **Expressive Arts & Design:** Activities chosen for the interest and needs of the children & planned accordingly. | | | | | |
| **Year 1** | **Structures**<br>Freestanding structures | | **Food**<br>Preparing fruit and vegetables | | **Mechanisms**<br>Sliders and Levers | |
| **Year 2** | **Textiles**<br>Templates and joining techniques | | **Food**<br>Preparing a healthy snack | | **Mechanisms**<br>Wheels and axles | |
| **Year 3** | **Electrical systems**<br>Simple programming and control | | **Food**<br>Healthy and varied diet | | **Structures**<br>Shell structures | |
| **Year 4** | **Mechanical systems**<br>Pneumatics | | **Electrical systems**<br>Simple circuits and switches | | **Textiles**<br>2-D shape to 3-D product | |
| **Year 5** | **Food**<br>Celebrating culture and seasonality | | **Textiles**<br>Combining different fabric shapes | | **Electrical systems**<br>Monitoring and control | |
| **Year 6** | **Mechanical systems**<br>Pulleys or Gears<br>(vehicle) | | **Structures**<br>Frame structures<br>(bridge) | | **Textiles**<br>Using computer-aided design (CAD) in textiles (slippers) | |

Extra units for year 3/4 are: **Mechanical systems** with a focus on 'Levers and linkages' and **Structures** with a focus on 'Shell structures using computer-aided design (CAD)'.

Extra units for year 5/6 are: **Mechanical systems** with a focus on 'Cams' and **Electrical systems** with a focus on more complex switches and circuits.