

### Design Technology Long Term Plan

| Year Group | A1                                                                                        | A2 | Sp1                                                                                                          | Sp2 | Su1                                                                                                                | Su2 |
|------------|-------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------|-----|
| Reception  | <b>Structures</b>                                                                         |    | <b>Food</b>                                                                                                  |     | <b>Textiles</b>                                                                                                    |     |
| Year One   | <b>Mechanisms</b><br>Sliders and levers                                                   |    | <b>Structures</b><br>Freestanding structures                                                                 |     | <b>Food</b><br>Preparing fruit and vegetables<br>(including cooking and nutrition requirements for KS1)            |     |
| Year Two   | <b>Mechanisms</b><br>Wheels and axles                                                     |    | <b>Food</b><br>Preparing fruit and vegetables<br>(including cooking and nutrition requirements for KS1)      |     | <b>Textiles</b><br>Templates and joining techniques                                                                |     |
| Year Three | <b>Structures</b><br>Shell structures<br>(including computer-aided design)                |    | <b>Food</b><br>Healthy and varied diet<br>(including cooking and nutrition requirements for KS2)             |     | <b>Textiles</b><br>2-D shape to 3-D product                                                                        |     |
| Year Four  | <b>Mechanical Systems</b><br>Levers and linkages                                          |    | <b>Electrical Systems</b><br>Simple circuits and switches<br>(including programming and control)             |     | <b>Food</b><br>Healthy and varied diet<br>(including cooking and nutrition requirements for KS2)                   |     |
| Year Five  | <b>Structures</b><br>Frame structures                                                     |    | <b>Food</b><br>Celebrating culture and seasonality<br>(including cooking and nutrition requirements for KS2) |     | <b>Electrical Systems</b><br>More complex switches and circuits<br>(including programming, monitoring and control) |     |
| Year Six   | <b>Textiles</b><br>Combining different fabric shapes<br>(including computer-aided design) |    | <b>Mechanical Systems</b><br>Pulleys or gears                                                                |     | <b>Food</b><br>Celebrating culture and seasonality<br>(including cooking and nutrition requirements for KS2)       |     |