

Design and Technology Curriculum Cycle

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| **Academic Year** | **EYFS/Year 1/Year 2** | **Year 3/Year 4/Year 5** | **Year 6** |
| 2022-2023 | Year A | Year C | Year A |
| 2023-2024 | Year B | Year A | Year A |
| 2024-2025 | Year A | Year B | Year A |
| 2025-2026 | Year B | Year C | Year A |

Year A

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|  | EYFS, Year 1 and Year 2Hedgehog Class and Otter Class | Year 3, 4 and 5 Butterfly Class and Swift Class  | Year 6Osprey Class  |
| Autumn | **Food** – Vegetable Soup (Harvest Festival)Projects on a Page - Year 1&2‘Preparing fruit and vegetables’  | **Textiles** – (Puppets)Projects on a Page Year 5&6‘Combing Different Fabric Shapes’ | **Textiles –** (Arnside Souvenir bags)Projects on a Page Year 5&6‘Combing different fabric shapes in textiles’**Electrical Systems –** (Christmas Fair Games)Projects on a Page Year 5&6‘More complex switches and circuits’ |
| Spring | **Textiles** – Finger Puppets (Nursery Rhymes)Projects on a Page – Year 1&2‘Templates and Joining’ | **Electrical Systems**Projects on a Page Year 3&4‘Simple circuits and switches **and** Simple programming and control’ | **Food –** (Bread/Senegal)Projects on a Page Year 5&6‘Celebrating Culture and Seasonality’ |
| Summer | **Structures** – Plant Homes (Science)Projects on a Page – Year 1 &2‘Freestanding Structures’ | **Food**Projects on a Page Year 3&4‘Healthy and Varied Diet’**Mechanical Systems**Projects on a Page Year 3&4‘Leavers and Linkages’ | **Structures and Mechanical Systems –** (Bridges/London)Projects on a Page Year 5&6‘Pulleys, Gears and Cams’ |

Year B

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|  | EYFS, Year 1 and Year 2Hedgehog Class and Otter Class | Year 3, 4 and 5 Butterfly Class and Swift Class  |
| Autumn | **Mechanical Systems** – Christmas Cards (with moving parts) (Celebrations)Projects on a Page – Year 1&2‘Sliders and Levers’ | **Mechanical Systems**Projects on a Page Year 5&6‘Pulleys or Gears **and** Cams’ |
| Spring | **Food** – Layered Fruit Dish (Geography)Projects on a Page – Year 1&2‘Preparing fruit and vegetables’ | **Structures**Projects on a Page Year 5&6‘Frame Structures’**Electrical Systems**Projects on a Page Year 3&4‘Simple circuits and switches **and** Simple programming and control’ |
| Summer | **Mechanical Systems** – Vehicles (History)Projects on a Page – Year 1&2‘Wheels and Axels’ (Link to Purple Mash- 2 Design and Make - Computer-Aided Design; Work in 3D to make models and nets of vehicles) | **Food**Projects on a Page Year 3&4‘Healthy and Varied Diet’ |

Year C

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|  | Year 3, 4 and 5 Butterfly Class and Swift Class  |
| Autumn | **Structures**Projects on a Page Year 3&4‘Shell structures using CAD’ |
| Spring | **Textiles**Projects on a Page Year 3&4‘2D shape and 3D product’**Electrical Systems (Year 5 only)**Projects on a Page Year 3&4‘Simple circuits and switches **and** Simple programming and control’ |
| Summer | **Food**Projects on a Page Year 3&4‘Healthy and Varied Diet’**Mechanical Systems**Projects on a Page Year 3&4‘Pneumatics’ |