

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 2  Hedgehog Class and Otter Class | Year 3, 4 and 5  Butterfly Class and Swift Class | Year 6  Osprey 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 2  Hedgehog 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’ |