(January 2023)  Class 2: Design and Technology – Cycle A

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| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | Design a Healthy Meal – Cooking & Hygiene | Designing & Making  - Castles | Textiles - Sewing |  | Design a 3D school garden |
|  | 1 Food Groups. What is a balanced diet?  2 Investigation - Healthy meal  3 Ingredients exploration  4 Design a meal 5. Make and taste,  5 Evaluate. | 1 Exploring product features  2 Investigate and test materials  3. Plan a design   1. Make the design 2. Evaluate | 1 Research and evaluate the product.  2 Investigate ways of joining sewing skills.  3 Make a plan and design the product.  4 Make the product.  5 Evaluate. |  | 1. Evaluate types of gardens 2. What garden does our school need? Survey 3.Mapping of the school grounds   1. Design the school garden 2. Make model of the garden |

Class 2: Design and Technology – Cycle B

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| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | Design a Christmas Meal –  Cooking & Hygiene | Designing & Making – Rockets/Vehicles | Designing & Making – 3D Moving Aquarium |  | Design a Healthy Snack – Cooking & Hygiene |
|  | 1 What is traditional  Christmas food and why?  2 Compare Christmas food from other countries.  3 Investigate ingredients,  4 Design a meal.  5 Make and taste.  6 Evaluate. | 1. Explore rocket features. 2. Plan a rocket design. 3. Investigate materials. 4. Follow instructions. 5. Make the design. 6. Evaluate the design. | 1 Investigate sliding mechanisms  2 Explore Lever and Pivot mechanisms  3 Experiment with wheel mechanisms  4 Make a moving picture  5 Make a moving picture  6 Evaluate the design |  | 1 What do nurses want us to eat?  2 Investigate food groups  3 Investigate ingredients.  4 Design a meal  5. Make and taste.  6. Evaluate. |

Class 3: Design and Technology – Cycle A

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| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| The Roman Empire | Textiles - Stockings |  | Moving Models  - Volcanoes | Mini Greenhouses |  |
| 1. Research Roman shields 2. Investigate materials 3. Complete design sheet 4. Construct the shield 5. Decorate the shield 6. Evaluation of the design | 1. Existing products 2. Exploring stitches 3. Decorating fabric 4. Design time 5. Creating your product 6. Evaluation |  | 1 What is a volcano?  2 Investigate materials  3 What will make the eruption?  4 Design the volcano  5 Follow instructions  6 Evaluate the designs | 1 Explore existing greenhouses?  2 Stability  3 Materials  4 Design a mini greenhouse  5 Make a mini greenhouse  6 Evaluate a mini greenhouse |  |

Class 3: Design and Technology – Cycle B

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| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Sandwich Snacks - Cooking | Designing and Making  Remembrance Poppies | Torches |  |  | Designing & Making  Pyramid Structures |
| 1 Food Groups  2 Taste and Test  3 Sandwich Design  4 Sandwich Chef  5 The Evaluation. | 1. Explore products  2. Investigating Stitches.   1. Decorating fabrics. 2. Design time. 3. Creating your product. 4. Evaluation. | 1. Seeing the Light 2. Circuits and switches 3. A case study 4. The design of the torch 5. Let there be Light! 6. The evaluation |  |  | 1. Exploring product features 2. Planning designs 3. Investigating materials 4. Following a plan 5. Evaluate the design |

Class 4: Design and Technology – Cycle A

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| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | Fairground |  | Designing & Making WW2 planes, shelters & Gas mask boxes | Funky Furnishings Sewing | Great British Dishes |
|  | 1. A Trip to the Fair 2. Merry-Go-Motors 3. Fair Frames 4. The Design 5. The Creation 6. The Evaluation |  | 1. Investigating Products. 2. Call in the Reinforcements! 3. Materials Matter. 4. The Design. 5. The Cover. 6. The Evaluation. | 1 Investigating Cushions  2 Joining Techniques  3 Decorative joining techniques  4 Fastenings  5 Time to Design!  6 Making and Evaluating | 1 Savoury English Dishes  2 Sweet English Dishes  3 National Scottish Dishes  4 National Welsh Dishes  5 Influences from Around the 6 World Plan and Shop for a Meal |

Class 4: Design and Technology – Cycle B

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| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | Gingerbread Houses | Building Bridges |  | Fashion and Textiles |  |
|  | 1. Design 2. Computer Design 3. Design Improvements 4. Construction 5. Decorating 6. Evaluation | 1. Beam Bridges 2. Truss Bridges 3. Arch Bridges 4. Suspension Bridges 5. Bridge Building Challenge 6. Evaluate Bridge Challenge |  | 1. How are clothes made? 2. Sewing Stitches 3. Designing Pattern Pieces 4. Using Pattern Pieces 5. Hand-sewing and Joining 6. Hemming, Decorating and   Finishing |  |