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| **Year group** | **Autumn Term** | **Spring Term** | **Summer Term** |
| Reception | **Once upon a time**  **Percy and his friends** | **Terrific transport**  **What will I be?** | **Superheroes to the rescue**  Under the Sea |
| Year One | **Food**  **Preparing Fruit and Vegetables**  Can I design and make a fruit snack?  Purpose: for a guest/friend | **Mechanisms**  **Sliders and levers**  Can I design and make a card with moving parts?  Purpose: for a guest/friend | **Structures**  **Freestanding structures**  Can I design and make a chair for a teddy? |
| Year Two | **Textiles**  **Templates and joining**  Can I design and make a Christmas decoration?  Purpose: for a guest/friend | **Mechanisms**  **Wheels and Axels**  Can I design and make a toy vehicle for a friend to play with?  Purpose: for a guest/friend | **Food**  **Preparing Fruit and Vegetables**  Can I design and make a fruit yoghurt?  Purpose: for a guest/friend |

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| **Year group** | **Autumn Term** | **Spring Term** | **Summer Term** |
| Year Three | **Food**  **Healthy and Varied Diet**  Can I design and make a sandwich?  Purpose: for a guest/friend | **Mechanical Systems**  **Levers and linkages**  Can I design and make an information book (with moving parts)?  Purpose: for a guest/friend | **Textiles**  **2D to 3D**  Can I design and make a sunglasses bag/case?  Purpose: for myself |
| Year Four | **Structures**  **Shell** **Structures** **with** **CAD**  Can I design and make a gift box?  Purpose: for a guest/friend | **Food**  **Healthy and Varied Diet**  Can I design and make a salad snack?  Purpose: for a guest/friend | **Electrical Systems**  **Simple programming and control**  Can I design and make a night light to comfort a young child?  Purpose: for a friend/ buddy |

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| **Year group** | **Autumn Term** | **Spring Term** | **Summer Term** |
| Year Five | **Food**  **Celebrating** **seasonality**  Can I design and make and evaluate bread for me to share at harvest?  Purpose: for a guest/friend | **Mechanical systems**  **Pulleys and Gears**  Can I design and make a Ferris wheel?  Purpose: for a guest/friend | **Structures**  **Framed Structures**  Can I design and make a kite?  Purpose: for a guest/friend |
| Year Six | **Electrical systems**  **Monitoring and control**  'Can I design and make an alarm to protect a valuable?  Purpose: for a guest/friend | **Food**  **Celebrating culture**  Can I design and make a vegetarian dish appropriate for a Sikh langar (Community kitchen)?  Purpose: for a guest/friend | **Textiles**  **Using CAD in textiles**  Can I design and make a bag for my buddy?  Purpose: for a guest/friend |