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|  **Disciplinary Knowledge –**  Disciplinary knowledge will be explored and developed throughout the D&T curriculum as pupils move through the school. They can be used across all aspects of a subject to grow an awareness of how designers construct their knowledge. |
| **Responsibility:** (working safely, how design can solve problems, choosing the right materials, responsibilities to customers to ensure quality / reliable products, healthy eating, quality ingredients) | **WTS** | **EXS** | **GDS** |
| **Similarity and difference:** (making comparisons, noting differences and drawing conclusions) |  | Rest of class |  |
| **Cause and consequence:** (identifying how things work, how an action can cause change/movement |  | Rest of class |  |
| **Significance**: (significant designers and designs, real world examples of effective and successful products) |  | Rest of class |  |
| **Written and oral expression:** (Using terminology, evaluating, creating accurate designs, labelling and annotating, explaining processes, presenting) |  | Rest of class |  |



**DT Assessment and Tracking**

**Year 3 Overview 24/25**

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| **Textiles – Egyptian Collars**  |
| Demonstrate their ability to use cross-stitch as a decorative feature or to join two pieces of fabric together. | **WTS** | **EXS** | **GDS** |
| Develop appliqué designs based on design criteria. |  | Rest of class |  |
| Design, cut and shape their template for an usekh or wesekh collar with increasing accuracy. |  | Rest of class |  |
| Decorate their Egyptian collar using a variety of techniques, such as appliqué, cross-stitch, beads, buttons and pinking. |  | Rest of class |  |
| Measure and attach a ribbon with a running stitch. |  |  |  |
| Recognise different types and qualities of fabrics. |  |  |  |
| Explain the aesthetic and functional properties of some of their material choices. |  |  |  |

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| **Cooking and Nutrition – seasonal food** |
| Explain that fruits and vegetables grow in different countries based on their climates. | **WTS** | **EXS** | **GDS** |
| Understand that ‘seasonal’ fruits and vegetables are those that grow in a given season and taste best then. |  | Rest of class |  |
| Know that eating seasonal fruit and vegetables has a positive effect on the environment. |  | Rest of class |  |
| Design their own tart recipe using seasonal ingredients. |  | Rest of class |  |
| Understand the basic rules of food hygiene and safety. |  | Rest of class |  |
| Follow the instructions within a recipe. |  | Rest of class |  |

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| **Mechanical systems and structures – pneumatic toys**  |
| Draw accurate diagrams with correct labels, arrows and explanations. | **WTS** | **EXS** | **GDS** |
| Correctly identify definitions for key terms. |  | Rest of class |  |
| Identify five appropriate design criteria. |  | Rest of class |  |
| Communicate two ideas using thumbnail sketches. |  | Rest of class |  |
| Communicate and develop one idea using an exploded diagram. |  | Rest of class |  |
| Select appropriate equipment and materials to build a working pneumatic system. |  | Rest of class |  |
| Assemble their pneumatic system within the housing to create the desired motion. |  | Rest of class |  |
| Create a finished pneumatic toy that fulfills the design brief. |  | Rest of class |  |
| **Structures – Constructing a Castle** |
| Draw and label a simple castle that includes the most common features. |  | Rest of class |  |
| Recognise that a castle is made up of multiple 3D shapes |  | Rest of class |  |
| Design a castle with key features which satisfy a given purpose. |  | Rest of class |  |
| Score or cut along lines on the net of a 2D shape. |  | Rest of class |  |
| Use glue to securely assemble geometric shapes. |  | Rest of class |  |
| Utilise skills to build a complex structure from simple geometric shapes. |  | Rest of class |  |
| Evaluate their work by answering simple questions. |  | Rest of class |  |

