

# United Curriculum: D&T and Food & Nutrition

|        | Year 1                                                                                                                                                      | Year 2                                                                                                                                                                           | Year 3                                                                                                                                                                                                            | Year 4                                                                                                                                                                                                        |
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| Autumn | <b>Food &amp; Nutrition</b><br><b>Eat a Rainbow</b><br><b>[Aut2]</b><br>Preparing a colourful fruit kebab, fruit jelly pots, crudités and dips.             | <b>Food &amp; Nutrition</b><br><b>Salads</b><br><b>[Aut2]</b><br>Preparing healthy, balanced salads that include proteins.                                                       | <b>How We Make Things</b><br><b>[Aut1]</b><br>Introduction to different manufacturing techniques. Developing making skills and using the making process to make frame structures, chocolates and chocolate boxes. | <b>Cams, Pulleys &amp; Gears</b><br><b>[Aut2]</b><br>Introduction and modelling of cam, pulley and gear mechanisms.<br>The Action Aid Squashed Tomato Challenge - design, prototype and test a pulley system. |
| Spring | <b>What is Design &amp; Technology</b><br><b>[Spr2]</b><br>Introduction to design. Designing and modelling playground equipment for an outdoor space.       | <b>Wheels &amp; Axles</b><br><b>[Spr2]</b><br>Introduction to wheels and axles.<br>Vehicle Design Challenge – design, prototype and test a vehicle model to travel the furthest. | <b>Computer Aided Design &amp; Manufacture</b><br>Introduction to CAD/CAM through the context of assistive devices.<br>Using CAD Software to design an assistive zip pull.                                        | <b>Food &amp; Nutrition</b><br><b>Soups</b><br>Cooking vegetables and grains and combining into healthy soups.                                                                                                |
| Summer | <b>Simple Machines</b><br>Introduction to mechanisms (sliders, levers and linkages).<br>Making a simple linkages (levers) to prototype a grabber mechanism. | <b>Materials &amp; Textiles</b><br>Introduction to textiles and basic sewing techniques.<br>Designing buttons and making a re-usable heat pack.                                  | <b>Food &amp; Nutrition</b><br><b>Sandwiches</b><br><b>[Sum1]</b><br>Making sandwiches with a balance of proteins fats & carbohydrates.                                                                           | <b>Lighting Up</b><br><b>[Sum2]</b><br>Introduction to electronic systems.<br>Using a <u>micro:bit</u> to program lights. Designing and making a miniature LED torch.                                         |

