

United Curriculum: D&T and Food & Nutrition



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	Food & Nutrition Eat a Rainbow [Aut2] Preparing a colourful fruit kebab, fruit jelly pots, crudités and dips.	Food & Nutrition Salads [Aut2] Preparing healthy, balanced salads that include proteins.	How We Make Things [Aut1] Introduction to different manufacturing techniques. Developing making skills and using the making process to make frame structures, chocolates and chocolate boxes.	Cams, Pulleys & Gears [Aut2] Introduction and modelling of cam, pulley and gear mechanisms. The Action Aid Squashed Tomato Challenge - design, prototype and test a pulley system.	Sustainable Products [Aut2] Analysing the sustainability of food packaging and developing textiles skills. Making a re-usable sandwich wrap or pouch.	Upcycled Products [Aut2] Consolidation unit to apply knowledge and develop skills. Designing and making "pop bottle products".
Spring	What Is Design & Technology [Spr2] Introduction to design. Designing and modelling playground equipment for an outdoor space.	Wheels & Axles [Spr2] Introduction to wheels and axles. Vehicle Design Challenge – design, prototype and test a vehicle model to travel the furthest.	Computer Aided Design & Manufacture Introduction to CAD/CAM through the context of assistive devices. Using CAD Software to design an assistive zip pull.	Food & Nutrition Soups Cooking vegetables and grains and combining into healthy soups.	Food & Nutrition Sauces [Spr2] Making a range of staple sauces that can be adapted to make different meals.	Renewable Energy [Spr1] Consolidation unit to apply knowledge and develop skills. Designing and making functioning wind turbines that generate electricity.
Summer	Simple Machines Introduction to mechanisms (sliders, levers and linkages). Making a simple linkages (levers) to prototype a grabber mechanism.	Materials & Textiles Introduction to textiles and basic sewing techniques. Designing buttons and making a re-usable heat pack.	Food & Nutrition Sandwiches [Sum1] Making sandwiches with a balance of proteins fats & carbohydrates.	Lighting Up [Sum2] Introduction to electronic systems. Using a micro:bit to program lights. Designing and making a miniature LED torch.	Smart Schools Introduction to electronic monitoring and control systems. Designing, prototyping and testing smart school models with automated systems.	Food & Nutrition Savoury Snacks [Sum1] Cooking and baking filled pastries and other balanced picnic snacks.