



DT Whole School Overview



Term	EYFS	KS1		KS2			
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn Term	<p>Junk modelling-structures To know how to make a free-standing structure using different media <i>Joining techniques</i> using glue, tape and folding techniques Food, Cooking and Nutrition Children will follow a simple recipe to create a simple product</p>	<p>Woodland environment <i>Sliders and mechanisms</i></p> <p>To explore and use sliders and levers.</p>	<p>Puppets <i>Joining techniques (sewing)</i></p> <p>To know that finger puppets would need to be made from hard wearing, flexible material which can be joined easily by stitching or gluing.</p>	<p>Mechanical Systems <i>Levers and linkages</i></p> <p>To know the purpose of the slot, pivot, bridge, level linkage on lever and linkage mechanism</p>	<p>Mighty Mascots <i>Pneumatics</i></p> <p>To know a variety of different products that use pneumatics and to explain how they work.</p>	<p>Celebrating Culture and Seasonality <i>Seasonality food</i></p> <p>To know how seasonality affects food availability.</p>	<p>Mechanism with a Message <i>Cams, sliders and follower</i></p> <p>To know that a cam mechanism is made up of three components: a cam, slider and follower.</p>
Spring Term	<p>Food, Cooking and Nutrition To know a range of fresh fruit, use a toll safely and correctly to cut and chop. <i>Junk modelling-structures</i> Forms of transport <i>Joining techniques-weaving</i></p>	<p>Space <i>Sliders and mechanisms</i> To understand that different mechanisms produce different types of movement. Transport through time <i>Freestanding structures</i> Know how to make freestanding structures stronger, stiffer and more stable.</p>	<p>Fruit Boxes <i>Cooking nutrition</i> <i>Drawing and templates</i> To understand and use basic principles of a healthy and varied diet to prepare dishes, including how fruit and vegetables are part of <i>The Eatwell Guide</i>.</p>	<p>Shell Structures <i>Using computer aided design (CAD)</i></p> <p>To know that a shell structure protects a product and is used to contain things. Know how to use a drawing software to explore nets.</p>	<p>Juggling Balls <i>Textiles (sewing)</i></p> <p>To know that existing products can be used to improve the design stage.</p>	<p>Money Box <i>Mechanical systems</i> <i>Pulleys and gears</i></p> <p>To know how to incorporate a mechanical system with a pulley or gear system.</p>	<p>Using CAD in Textiles <i>Designing and sewing</i></p> <p>To know that a design specification needs to consider aesthetics, functionality, a target market and quality.</p>
Summer Term	<p>Food, Cooking and Nutrition Children will follow a simple recipe to create a simple product <i>Junk modelling-structures</i> Creating a minibeast garden/home for a minibeast</p>	<p>Dinosaurs <i>Freestanding structures</i></p> <p>To know and use technical vocabulary relevant to the project.</p>	<p>Moving Vehicles <i>Wheels and axles</i></p> <p>To know that wheels are connected by an axle which spins in the axle holder.</p>	<p>Healthy Varied Diet <i>Cooking and nutrition</i></p> <p>To know about a range of fresh and processed ingredients appropriate for the product, and whether they are grown, reared or caught.</p>	<p>Electrical Systems <i>Powering a nightlight.</i></p> <p>To know a variety of commercial switches which are used in existing products and how they work within a simple circuit.</p>	<p>Frame Structures <i>Temporary and permanent joining techniques</i> To know a portable structure is a temporary structure and a permanent structure is structure that is placed on the land for the foreseeable future that is anchored.</p>	<p>Alarming Vehicles <i>Car alarms</i></p> <p>To know car alarms, use different switches and how they might be used in a car alarm system.</p>