

SUBJECT OVERVIEW – DT

	Autumn	Spring	Summer
Year 1	<p><u>Moving Pictures</u> Simple mechanisms including sliders, levers and moving pivots. Use a template to cut a specific design. Paper and card can be rolled, folded and torn. Create temporary joins, fixed joins and moving joins. Create a lever with split pins</p>	<p><u>Freestanding Structures</u> Freestanding structures. Join materials -flange, L-brace, tabs and hinge joins. Join cardboard with glue and tape. Use a template to cut a shape. Use a hack saw and bench hook to cut wood and dowelling. Design criteria. Choosing materials. Evaluation of end product.</p>	<p><u>Cooking –Party Food</u> Describe taste, smell, texture and feel. Food products belong to different food groups Distinguish between fruit and vegetables and learn about where and when they grow. Cut, peel, grate and chop a range of ingredients using the bridge and claw grip. Work safely and hygienically. Use the basic principles of a healthy and varied diet to prepare dishes.</p>
Year 2	<p><u>Cooking – Baking Bread</u> Flour comes from grain and is milled into flour. Knead, prove and bake. Kneading and gluten Measure and weigh with spoons, and cups. Function of yeast. Describe food by taste, texture, smell and feel. Nutritional information on packaging. Understand the colour coding of food e.g. red/yellow/green. Work safely and hygienically. Bread is a carbohydrate.</p>	<p><u>Mechanisms –Buggy</u> How wheels and axles work and understand that some are fixed and some are moving and that these rest in axle holders. How to build wheels and axles using construction kits. Design a product using a specific criterion. Use a template to cut shapes. Use a hack saw and bench hook to cut wood and dowelling. Evaluation of end product.</p>	<p><u>Textiles – Glove Puppets</u> Textile products can be decorated with fabric as well as paints and pens. Textile products can be joined using staples, pins, glue or a simple running stitch. Existing products help us come up with ideas. Describe what our puppets are for and say how they will make them suitable for intended users. Design criteria includes the features of the product they are making. IT can be used in the design process.</p>

<p>Year 3</p>	<p><u>Trains with a CAM movement</u> Some toy vehicles have moving parts. A range of materials can be used to create models with wheels and axles e.g. tubes, dowel, cotton reels. Wheels can be attached to a chassis using an axle Join. A CAM affects movement. Types of CAM movements How a snail shaped CAM is made and used. The difference between a rotary motion and linear motion.. A product needs to be functional as well as decorative.</p>	<p><u>Cooking –Street Food</u> Food is grown, reared, or caught Design criteria for falafel Combine Ingredients to make recipes individual Weigh, slice, mix and cook ingredients using scales, knives, spoons and an oven Evaluate finished falafel against criteria for success Compare falafel with other examples and critique it Design packaging for falafel using a computer Evaluate whole product</p>	<p><u>Shell Structure</u> New unit to be planned</p>	
<p>Year 4</p>	<p><u>Cooking – Pasta Sauce</u> Plan a recipe to budget. Smell, taste and feel the texture of fresh ingredients. Evaluate taste, texture, smell to choose ingredients. Adapt a recipe and follow instructions to create pasta sauce. Understand healthy eating choices. Used the right tools to slice, mix and peel the foods for my recipe</p>	<p><u>Marquee Light with Electric Circuit</u> Incorporate an electrical circuit that creates a light up box. Make an electrical circuit with a switch. Attach the circuit to the product safely using tape. Compare my light up box with other examples and critique it Use a computer-aided design program to create a net and a template for the font. Evaluate my whole product (design plus circuit) for strengths and weaknesses</p>	<p><u>Textiles – Phone Case</u> Design and make a fabric phone case Join and decorate fabrics using running stitch, cross stich and applique techniques. Compare my phone case with other examples and critique it Evaluate my whole product for strengths and weaknesses</p>	