

DT Long Term plan

<u>Substantive Concepts</u>		<u>Disciplinary Concepts</u>	
<p>Designing – making design decisions, thinking about design criteria, designing for targeted audience/purpose.</p> <p>Making – constructing projects using a range of tools and equipment.</p>		<p>Technical knowledge – understanding how to build and reinforce structures, understanding why material selection is important based on properties, understanding how things move/work.</p> <p>Evaluating – Testing and talking about models and projects, testing characteristics for effectiveness and suitability, improving plans and identifying successes.</p>	
Nursery	Designing and making using a range of materials through continuous and enhanced provision.	Designing and making using a range of materials through continuous and enhanced provision.	Designing and making using a range of materials through continuous and enhanced provision.
Reception	<u>Autumn</u> Structures: Junk modelling	<u>Spring</u> Textiles: Bookmarks	<u>Summer</u> Structures: Boats
Year 1	<u>Autumn 2</u> Food: Fruit and vegetables (4) Structures: Windmills (3-4)	<u>Spring 2</u> Mechanisms: Moving story book	<u>Summer</u> Textiles: Puppets
Year 2	<u>Autumn 1</u> Mechanisms: Moving monsters <u>Autumn 2</u> Food: A balanced diet Textiles: Pouches	<u>Spring 2</u>	<u>Summer 2</u> Mechanisms: Fairground wheel Structures: Baby Bear’s chair
Year 3	<u>Autumn 2</u> Food: Eating seasonally Structures: Constructing a castle	<u>Spring 1</u> Digital world: Electronic charm	<u>Summer 2</u> Textiles: Cross stitch and applique – Egyptian collars
Year 4	<u>Autumn 1</u> Structures: Pavilions Food: Adapting a recipe <u>Autumn 2</u>	<u>Spring 1</u>	<u>Summer 2</u> Sculpture and 3D: Mega Materials

	Mechanical systems: Making a slingshot car		
Year 5	<p style="text-align: center;"><u>Autumn 2</u></p> <p>Food: what could be healthier? (4) Electrical systems: Doodles (3)</p>	<p style="text-align: center;"><u>Spring 2</u></p> <p>Mechanical systems: Make a pop up book</p>	<p style="text-align: center;"><u>Summer 2</u></p> <p>Structures: Bridges</p>
Year 6	<p style="text-align: center;"><u>Autumn 2</u></p> <p>Food: Come dine with me (4)</p>	<p style="text-align: center;"><u>Spring 2</u></p> <p>Mechanical systems: Automata Toys</p>	<p style="text-align: center;"><u>Summer 2</u></p> <p>Electrical systems: Steady hand game</p>