

Curriculum Endpoints – Design and Technology

Cycle A	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 1
Nursery	<p><u>Range of materials</u></p> <p>Explore different materials freely to develop their ideas about how to use them and what to make.</p> <p>Use various construction materials, e.g. joining pieces, stacking vertically and horizontally, balancing, making enclosures and creating spaces.</p> <p>Make imaginative and complex small world with small world and construction kits.</p>		<p><u>Tools and Fixings</u></p> <p>Use masking tape, Sellotape (and cutter), elastic bands, Pritt stick and PVA glue accurately.</p>		<p><u>Tools and Fixings</u></p> <p>Use scissors accurately.</p> <p>With supervision, use staplers and hole punches safely.</p> <p>Begin to use treasury tags.</p>	
Reception	<p><u>Sculpting</u></p> <p>Sculpt with playdough, plasticine, clay and papier-mâché to create a specific idea.</p> <p>Use correct vocabulary to describe process e.g. twisted, rolled, stretched.</p>		<p><u>Tools and Fixings</u></p> <p>Accurately use a range of small tools – scissors, cutlery, stapler, hole punch, trowel.</p> <p>Know how to use an age-appropriate hammer, screws, nails, hand drills, hand vice and a saw safely (goggles and gloves).</p> <p>Use a range of fixings explaining choices – staples / stapler, hole punch, treasury tags, split pins, different glues, Sellotape, masking tape.</p>		<p><u>Range of Materials</u></p> <p>Develop their own ideas through experimentation with a diverse range of materials.</p> <p>Increasingly choose more appropriate materials for the job, e.g. cotton reels / lids for wheels, wool / thread for hair.</p> <p>Join different materials explaining why they have chosen a specific fixing.</p> <p>Purposefully choose construction materials for a specific job.</p>	

<p>KS1</p>	<p><u>Textiles</u></p> <p>Know how to cut out shapes which have been created by using a template</p> <p>Know how to use a range of basic sewing skills</p> <p>Be able to use a template to transfer a pattern</p> <p>Be able to cut out and join fabric shapes using a template</p>	<p><u>Food and Nutrition</u></p> <p>Know why vegetables are so important to our health</p> <p>Know what processed foods are</p> <p>Be able to prepare a range of salad vegetables</p> <p>Be able to shape and season a bread snack</p>	<p><u>Mechanisms</u></p> <p>Know how wheels and axles work together</p> <p>Know the size and position of wheels affects how they move</p> <p>Be able to create a simple wheel mechanism</p> <p>Be able to use wheel mechanisms to propel a simple vehicle</p>	<p><u>Understanding Materials</u></p> <p>Know materials can be modified to become waterproof</p> <p>Know origami comes from the Japanese words: ori – folding and kami – paper</p> <p>Be able to make paper waterproof</p> <p>Be able to transform flat paper by folding and creasing to form a hat</p>	<p><u>Food and Nutrition</u></p> <p>Know the difference between fresh food and ultra-processed foods</p> <p>Be able to shape and form ingredients to make delicious food</p> <p>Be able to use a range of culinary techniques</p>	<p><u>Structures</u></p> <p>Know paper becomes stronger when it is folded</p> <p>Know a load is the amount of weight a structure must carry</p> <p>Be able to fold paper to increase strength and stability</p> <p>Be able to test and record how much weight paper can hold</p>
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Cycle B	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 1
Nursery	<p><u>Range of materials</u></p> <p>Explore different materials freely to develop their ideas about how to use them and what to make.</p> <p>Use various construction materials, e.g. joining pieces, stacking vertically and horizontally, balancing, making enclosures and creating spaces.</p> <p>Make imaginative and complex small world with small world and construction kits.</p>					
Reception	<p><u>Sculpting</u></p> <p>Sculpt with playdough, plasticine, clay and papier-mâché to create a specific idea.</p> <p>Use correct vocabulary to describe process e.g. twisted, rolled, stretched.</p>		<p><u>Tools and Fixings</u></p> <p>Accurately use a range of small tools - scissors, cutlery, stapler, hole punch, trowel.</p> <p>Know how to use an age-appropriate hammer, screws, nails, hand drills, hand vice and a saw safely (goggles and gloves).</p> <p>Use a range of fixings explaining choices – staples / stapler, hole punch, treasury tags, split pins, different glues, Sellotape, masking tape.</p>		<p><u>Range of Materials</u></p> <p>Develop their own ideas through experimentation with a diverse range of materials.</p> <p>Increasingly choose more appropriate materials for the job, e.g. cotton reels / lids for wheels, wool / thread for hair.</p> <p>Join different materials explaining why they have chosen a specific fixing.</p> <p>Purposefully choose construction materials for a specific job.</p>	

KS1	<p>Mechanisms</p> <p>Know common uses of sliders</p> <p>Know different methods to create card sliders</p> <p>Know how sliders can create simple mechanisms</p> <p>Be able to design and make a slider product</p> <p>Be able to evaluate the success of their outcomes and recommend improvements</p>	<p>Structures</p> <p>Know a freestanding structure is a structure that stands on its own foundation or base without attachment to anything else</p> <p>Be able to build structures that are freestanding using a range of different materials</p>	<p>Food and Nutrition</p> <p>Know why colourful food can be healthier</p> <p>Know how different foods can affect senses</p> <p>Be able to peel, chop and grate a selection of vegetables</p> <p>Be able to modify food to suit food senses</p>	<p>Understanding Materials</p> <p>Know building materials have different properties which enable them to be used for different purposes</p> <p>Be able to identify, sort and select materials that can be used in construction</p> <p>Be able to combine materials</p>	<p>Textiles</p> <p>Know fabric can be joined together using a running stitch</p> <p>Know the types and names of tools needed for sewing</p> <p>Be able to create a running stitch</p> <p>Be able to select tools for sewing Be able to thread a needle</p>	<p>Food and Nutrition</p> <p>Know the importance of including a range of vegetables in a diet</p> <p>Be able to peel, grate, season and breadcrumb a range of vegetables</p>
						