

Progression of skills	Reception:	Year 1:	Year 2	Year 3:	Year 4:	Year 5:	Year 6:
Food technology	<p>Blending Using a blender</p> <p>Developing likes and dislikes Identifying ingredients for a product.</p>	<p>Chopping with a knife (dinner knife) Threading</p> <p>Sensory qualities of ingredients Exploring flavours and textures Learn about where fruit comes from</p>	<p>Cutting with a sharp knife (claw and bridge technique) Grating</p> <p>Explore nutritional value of foods</p>	<p>Cutting with a sharp knife (revisit claw, bridge technique) Introduce ribboning technique</p> <p>Explore nutrition of foods- how does it affect your body and mind (immune systems)</p>	<p>Cutting with a knife (revisit chopping skills) Use knife skills with accuracy Making a dough Stretching dough Rolling dough Shaping dough Kneading dough Baking</p> <p>Explore nutrients in key ingredients</p>	<p>Cutting with a knife (revisit chopping skills) Using heat to cook Cooking times-ingredient preparation</p> <p>How cooking can affect the nutritional qualities food. Learning about Asian techniques and dishes.</p>	<p>Cooking fresh Kneading Dicing Blending Frying Using utensils effectively e.g. to roll dough to a particular thickness Proving and the use of yeast Recap all previously taught skills</p>
Textiles	<p>Threading Making a running stitch through pre-made holes Develop fine motor skills</p>	<p>Threading a needle Make a running stitch Stitch two pieces together Applique using fabric glue</p>	<p>Cutting own fabric using pattern pieces Using tailors chalk to mark/draw around a shape Sewing multiple pieces together</p>	<p>How to stiffen a fabric Cutting fabric Using an iron and heat to change the rigidity of a fabric.</p>	<p>Sew on fastenings (button, zip, Velcro, hook and eye) Use applique (stitching technique)</p>	<p>CAD design Deconstructing existing products Fastenings Developing sustainability</p>	<p>CAD design Looking at properties of a range of materials excluding fabrics (plastic bags, crisp packets) Lining a product</p>

	(needles pre-threaded, fabric pre-cut)	(fabric pre-cut for stitching)		Testing fabrics to find a suitable product Fold and manipulate fabric	Name a range of fastening and their components Advantages and disadvantages of different fastening types Use a range of sewing techniques accurately	Consumer survey to build their own brief Introduction of the use of sewing machines Waterproofing fabrics	Fastenings Revisiting previously taught stitching skills Sustainability
Mechanisms	Cut and stick using glue and scissors Create a slider that moves when it is pushed or pulled Understand how forces such as push and pull are used everyday Identify how books use different sliders to make books fun and interactive		Use equipment and materials safely such as scissors Cut, measure and join accurately Use modelling materials and equipment safely Use rulers and scissors accurately Learn how wheels and axles work together Build simple wheel mechanisms Explore the size of the wheel and position of the wheels and how this affects movement	Use equipment and materials safely such as scissors Modelling Cutting through cardboard Piercing and making holes Understand how levers and linkage systems work Experiment by moving the fulcrum to see how this affects the levers motion and load Begin to name the 3 different type of levers Recall different type of linkage systems Build simple linkage systems			To use equipment safely such as scissors, knives, saws, glue guns. Use glue guns to connect various modelling materials together Cut strips of wood using a ten hacksaw and benches. Scissors/craft knives to cut cardboard and paper Learn about types of pulley systems and gears Understand how gears, levers and pulleys work Understand how pulleys and gears can change direction of movement

							Evaluate the product and suggest improvements
Structure S		<p>Consider how to make structure stay standing</p> <p>Create a hole using a pencil and blue tack</p> <p>Cutting through cardboard</p> <p>Recall names for different joins (flange, hinge, slot, foot etc.)</p> <p>Begin to think about</p>			<p>Consider how forces such as gravity impact how structurally sound a structure is</p> <p>Identify the key forces as compression, tension and gravity</p> <p>Use an awl to create holes</p> <p>Identify the best shapes to use when making a structure</p>	<p>Identify joins and supports to create a bridge</p> <p>Know how to reinforce frames to improve stability and make them rigid</p> <p>Know engineers use a range of methods to reinforce structures</p> <p>Use a hacksaw, bench block and scissors to cut materials</p> <p>How to handle and use a saw correctly</p>	
Electrical systems taught as part of Science					<p>Switches are an interruption in a circuit</p> <p>Switches are widely used in a range of products</p> <p>Include different types of switches in circuits to complete different functions</p> <p>Create a simple game with an</p>		<p>Use components including a buzzer and switch.</p> <p>More than one switch can be used to change the functionality of a product</p> <p>Use switches to adapt product to a design a brief</p> <p>Switches can be combined with other electrical</p>

					interruption in a circuit		devices to change the functionality of a product
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