

	Eyfs	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design	<p>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used (in continuous provision)</p> <p><u>Creating with Materials</u> ELG Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used.</p>	<p>Tell someone (peers and adults) about ideas whilst designing.</p> <p>Use IT to explore ideas whilst designing</p>	<p>Make a drawing, templates or mock-up of a design and discuss it.</p>	<p>Generate and develop ideas through discussion.</p> <p>Design products that are functional and designed for purpose.</p>	<p>Design products that are functional and designed for purpose.</p>	<p>Design products that are innovative and appeal to individuals or groups.</p> <p>Use a computer design program to communicate ideas</p>	<p>Create a prototype and an exploded diagram of a design.</p>
Make Skills Structures Electricity /	<p>Progress towards a more fluent style of moving, with developing control and grace. Develop their small motor skills so that they can use a range of tools competently,</p>	<p>Cut along straight lines, curved lines and shapes marked out by a template.</p> <p>Roll, fold, tear and cut paper and card.</p>	<p>Join using a running stitch and colour fabrics</p> <p>Decorate textiles</p> <p>Independently cut wood/dowelling</p>	<p>Cut slots.</p> <p>Create simple joins with wood</p> <p>Include a simple electrical circuit in a product</p>	<p>Use given sewing patterns or printing blocks</p> <p>Use a wider range of stitches to join fabrics and choose the most appropriate</p>	<p>Build frameworks using a range of materials</p> <p>Use appliqué to decorate by gluing, and stitching.</p> <p>Cut internal shapes.</p>	<p>Use a glue gun with close supervision.</p> <p>Cut accurately to 1mm: strip wood, dowel & square section.</p> <p>Create own simple sewing pattern or</p>

<p>mechanisms Textiles</p>	<p>safely and confidently. Use their core muscle strength to achieve a good posture when sitting at a table or sitting on the floor. (scissors, hole punches, staplers, pva glue, masking tape) Make a product with its purpose in mind, using a variety of resources (junk modelling using boxes and tubes, playdough, clay and loose parts) Safely use and explore a variety of materials, tools and techniques, experimenting with design, form and function (carrying scissors safely, planning using builders permits and carrying out building or creating of designs using junk modelling and resources in creative area, build a bridge for the gingerbread man)</p>	<p>Create temporary joins, fixed joins, & moving joins. Use a simple circuit in a model Use simple mechanisms in products</p>	<p>using a hacksaw and bench hook Find ways to make stable, freestanding structures</p>	<p>Use simple mechanical systems in products – levers / wheels and axles</p>	<p>Measure pieces and make holes in wood Use simple mechanical systems in products – pulleys, cams or gears Use a computer program to produce a repeating pattern</p>	<p>Use more complex mechanical systems in products</p>	<p>printing block to use in design. Select the most appropriate way to join or secure materials Include an electrical circuit that produces more than one outcome Use a computer program to control products</p>
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	<p>Fine Motor Skills ELG Use a range of small tools, including scissors, paintbrushes and cutlery.</p>						
Evaluate		Say what they like and do not like about existing products.	Say how well designs and products met the given design criteria.	<p>Explain strengths and weaknesses of existing products</p> <p>Evaluate work against own design criteria.</p> <p>Discuss and describe well-known designers and inventors and their work</p>	<p>Explain strengths and weaknesses of existing products.</p> <p>Discuss and describe well-known designers and inventors and their work.</p>	<p>Collect feedback from a small group to find out how to improve a product.</p> <p>Explore impact of well-known designers and inventors' products</p>	<p>Evaluate existing products in relation to their purpose and audience.</p> <p>Collect feedback from others to find out how to improve a product.</p>

Cooking & Nutrition		<p>Use the right tools to peel, grate and chop.</p>	<p>Understand requirements of a balanced diet.</p> <p>Read a simple scale to measure and weigh out ingredients.</p> <p>Understand that food comes from plants and animals</p>	<p>Understand all sections of the eat-well plate and why they differ in size.</p>	<p>Use the right tools to slice, mix, spread, bake and knead.</p> <p>Weigh ingredients to an appropriate level of accuracy.</p> <p>Understand that food is processed into different ingredients around the world</p>		<p>Understand what different affects food types have on the body</p> <p>Select the appropriate tools to follow a given recipe to make a savoury dish.</p> <p>Estimate amount of ingredients to an appropriate level of accuracy.</p> <p>Understand how different foods are produced in different areas of the world.</p> <p>Understand that some foods are seasonal and give some examples.</p>
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Vocabulary	Design Join	Peel Grate Chop Tools Discuss Roll Fold Tear Temporary, Fixed, Moving joins Slider Mechanisms Circuit Evaluate	Template Mock-Up Running stitch Textiles Hacksaw Bench hook Free-standing Structures Criteria Portion Decorate Weigh Measure Balanced Diet Dowelling	Functional 'design for purpose' Slots Levers / Wheels / Axles Designers Inventors Eat-Well plate	Produce 'printing blocks' Stitches Pulleys / Cams /Gears Repeated Strengths Weakness Tools Slice Mix Spread Bake Knead Process	Innovate Appeal Computer – Aided Design (CAD) Frameworks Applique Complex Internal Peer feedback Improve Text Graphics Corrugated Pulley Linkages Delay Sensor Audience	Prototype Exploded diagram Supervision Screwdriver Feedback Affects Impact Savoury In relation Seasonal Estimate
Enrichment activities.		Parent workshop to support in autumn term with opportunities for outdoor learning.		Parent workshop to support in autumn term.	Parent workshop to support in autumn term.	After school club - Cooking	After school club - Cooking