

Design & Technology Progression of Skills Making

Year Groups	Skills: Planning and practical skills and techniques
EYFS	<p>To design a building that cannot be blown down. Select materials for an intended use and discuss choices with adult support Explore a range of joining techniques, and make decisions about which technique would best suit the task</p> <p>To design a hanging decoration Select materials for an intended use and discuss choices with adult support Explore a range of cutting techniques, and make decisions about which technique would best suit the task Explore a range of joining techniques, and make decisions about which technique would best suit the task</p> <p>To design a soup Select materials for an intended use and discuss choices with adult support</p>
1&2	<p>Year 1</p> <p>To design equipment for the playground. Select from a range of tools and equipment and explain their choices Follow procedures for safety Use a range of materials and components; construction materials Measure, mark, cut and shape materials and components Assemble, join, and combine materials and components</p> <p>To design an outfit to keep Mr Postmouse warm. Select from a range materials and components and explain their choices Follow procedures for safety Use a range of materials and components; textiles, Measure, mark, cut and shape materials and components Assemble, join, and combine materials and components Use finishing techniques, combining knowledge and skills from art and design learning</p> <p>To design a healthy lunch for a school trip. Follow procedures for safety and hygiene Use a range of materials and components; food ingredients Measure and cut materials and components Assemble, and combine materials and components</p> <hr/> <p>Year 2</p> <p>To design a structure that floats. Select from a range of tools and equipment and explain their choices Select from a range materials and components and explain their choices Follow procedures for safety Use a range of materials and components; construction materials, textiles, Measure, mark, cut and shape materials and components Assemble, join, and combine materials and components</p> <p>To design a soft toy for Emily Brown. Select from a range materials and components and explain their choices Follow procedures for safety Use a range of materials and components;, textiles, Measure, mark, cut and shape materials and components Assemble, join, and combine materials and components Use finishing techniques, combining knowledge and skills from art and design learning</p> <p>To design a moving vehicle. Select from a range of tools and equipment and explain their choices Follow procedures for safety Use a range of materials and components; construction materials, and mechanical components Measure, mark, cut and shape materials and components Assemble, join, and combine materials and components Use finishing techniques, combining knowledge and skills from art and design learning</p>

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<p>3&4</p>	<p>Year 3</p> <p>To design a pneumatic toy. Order and organise the stages of making Measure, mark, cut and shape materials and components with some accuracy Assemble, join, and combine materials and components with some accuracy</p> <p>To design a healthy snack for break time. Order and organise the stages of making Measure, and cut materials and components with some accuracy</p> <p>To design a comfortable item to lie a head on. Order and organise the stages of making Measure, mark, cut and shape materials and components with some accuracy Assemble and join materials and components with some accuracy Use finishing techniques, combining knowledge and skills from art and design learning with some accuracy</p>
	<p>Year 4</p> <p>To design a light to use whilst reading at night. Order and organise the stages of making Measure, mark, cut and shape materials and components with some accuracy Assemble, join, and combine materials and components with some accuracy</p> <p>To design a stable structure that provides shade Order and organise the stages of making Measure, mark, cut and shape materials and components with some accuracy Assemble, join, and combine materials and components with some accuracy</p> <p>To design a cheaper alternative to an existing product Order and organise the stages of making Measure, and cut materials and components with some accuracy</p>
<p>5&6</p>	<p>Year 5</p> <p>To design a healthier sauce Formulate step-by-step plans as a guide to making Accurately measure and cut materials and components Accurately assemble and combine materials and components</p> <p>To design a structure that connects two places from a distance Produce a list of tools, equipment and materials that they need Demonstrate resourcefulness when tackling practice problems Accurately measure, mark, cut and shape materials and components Accurately assemble, join, and combine materials and components</p> <p>To design an alarm Produce a list of tools, equipment and materials that they need Formulate step-by-step plans as a guide to making Demonstrate resourcefulness when tackling practice problems Accurately use finishing techniques, combining knowledge and skills from art and design learning Accurately measure, mark, cut and shape materials and components Accurately assemble, join, and combine materials and components</p>

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	<p>Year 6</p> <p>To design an item of clothing for a soldier Produce a list of tools, equipment and materials that they need Formulate step-by-step plans as a guide to making Use techniques that involve a number of steps Accurately use finishing techniques, combining knowledge and skills from art and design learning Accurately measure, mark, cut and shape materials and components Accurately assemble, join, and combine materials and components</p> <p>To design a three course meal Formulate step-by-step plans as a guide to making Use techniques that involve a number of steps Accurately measure and cut materials and components Accurately assemble and combine materials and components</p> <p>To design an automata toy Produce a list of tools, equipment and materials that they need Formulate step-by-step plans as a guide to making Demonstrate resourcefulness when tackling practice problems Use techniques that involve a number of steps Accurately use finishing techniques, combining knowledge and skills from art and design learning Accurately measure, mark, cut and shape materials and components Accurately assemble, join, and combine materials and components</p>
3-6	<p>Planning</p> <p>Select tools and equipment suitable for the task Explain choices of tools and equipment in relation to the skills and techniques they will be using Select materials and components suitable for the task Explain choices of materials and components according to functional properties and aesthetic qualities</p> <p>Practical Skills and Techniques.</p> <p>Follow procedures for safety and hygiene Use a wider range of materials and components than those used in KS1 – more intricate construction techniques, textile skills, mechanical components, food ingredients and tools and the introduction of electrical components</p>

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