



Topic	Key knowledge / skills	DESIGN Developing, planning and communicating ideas	MAKE Working with tools, materials and components to make quality products.	EVALUATE Evaluating processes and products
<p>Food Technology</p> <p>Seasonal meal</p>	<p>To understand and apply principles of a healthy and varied diet.</p> <p>To be able to use appropriate equipment and utensils.</p> <p>To understand seasonality.</p> <p>To know where and how a variety of ingredients are grown, reared, caught and processed.</p> <p>To be able to describe what they can do to be hygienic and safe.</p> <p>To explain how they have presented their product well.</p>	<p>Investigate existing products and use these ideas to develop their own ideas.</p> <p>Use research and develop design criteria to inform their design.</p> <p>Produce a range of design ideas after collecting information.</p> <p>Take a user's view into account when designing their product.</p> <p>Produce a detailed, step-by-step plan in relation to their design and product.</p> <p>Suggest alternative plans and identify the positive and negative points of each plan.</p>	<p>Explain why their finished product is going to be of good quality.</p> <p>Select from and use a wider range of tools and equipment to accurately perform practical tasks, including cutting.</p> <p>Select from and use a wider range of ingredients.</p> <p>Apply a range of techniques for measuring out, preparing and combining ingredients</p> <p>Persevere through different stages of the making process.</p>	<p>Investigate and analyse a range of existing products.</p> <p>Evaluate their ideas and products against their own design criteria.</p> <p>Consider the views of others to improve their work.</p> <p>Continuously check that their product is the best it can be.</p> <p>Check whether any part of their product could be improved.</p> <p>Evaluate the appearance of their product against their original design criteria.</p>
<p><u>Vocabulary</u> healthy, varied diet, seasonal, hygienic, slicing, combining, measuring, precise, reared</p> <p><u>Resources</u> bowls, knives, spoons, chopping boards, vegetable peeler</p>				



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<p>Structures/ Mechanisms</p> <p>Moving toy (CAMs)</p>	<p>To refine their product after testing it.</p> <p>To be able to choose suitable tools and equipment.</p> <p>To formulate step-by-step plans.</p> <p>To develop practical skills in construction.</p> <p>Use mechanical systems in their product.</p>	<p>Investigate existing products and use these ideas to develop their own ideas.</p> <p>Use research and develop design criteria to inform their design.</p> <p>Design innovative, functional and appealing products that are fit for purpose.</p> <p>Produce a range of design ideas after collecting information.</p> <p>Design products that are aimed at particular individuals or groups.</p> <p>Take a user's view into account when designing their product.</p> <p>Generate, develop and communicate their ideas through discussion, annotated sketches and exploded diagrams, prototypes, pattern pieces and computer-aided design.</p> <p>Produce a detailed, step-by-step plan in relation to their design and product.</p> <p>Suggest alternative plans and identify the positive and negative points of each plan.</p>	<p>Explain why their finished product is going to be of good quality.</p> <p>Select from and use a wider range of tools and equipment to accurately perform practical tasks, including cutting, shaping, joining and finishing.</p> <p>Select from and use a wider range of materials and components, including construction materials.</p> <p>Apply their knowledge of how to strengthen, stiffen and reinforce more complex structures.</p> <p>Understand and use mechanical systems in their products e.g. gears, pulleys, cams, levers and linkages.</p> <p>Persevere through different stages of the making process.</p>	<p>Understand how key events and individuals in design and technology have helped shape the world.</p> <p>Investigate and analyse a range of existing products.</p> <p>Evaluate their ideas and products against their own design criteria.</p> <p>Consider the views of others to improve their work.</p> <p>Continuously check that their design is the best it can be.</p> <p>Check whether any part of their design could be improved.</p> <p>Evaluate the appearance and function of their product against their original design criteria.</p>

Vocabulary

refine, construct, research, accurate, cutting, shaping, strengthen, reinforce, gears, pulleys, leavers, evaluate, analyse, design, evaluate

Resources

card, elastic bands, cogs, paint, wood, saw



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Textiles Hessian rag rug	<p>To think about what the user would want when choosing textiles.</p> <p>To think about and discuss how they have made their product attractive and strong.</p> <p>To be able to use a range of joining techniques.</p> <p>To use precise measurements to ensure that their work is accurate.</p>	<p>Investigate existing products and use these ideas to develop their own ideas.</p> <p>Use research and develop design criteria to inform their design.</p> <p>Design innovative, functional and appealing products that are fit for purpose.</p> <p>Produce a range of design ideas after collecting information.</p> <p>Design products that are aimed at particular individuals or groups.</p> <p>Take a user's view into account when designing their product.</p> <p>Generate, develop and communicate their ideas through discussion, annotated sketches and exploded diagrams, prototypes and pattern pieces.</p> <p>Produce a detailed, step-by-step plan in relation to their design and product.</p> <p>Suggest alternative plans and identify the positive and negative points of each plan.</p>	<p>Explain why their finished product is going to be of good quality.</p> <p>Select from and use a wider range of tools and equipment to accurately perform practical tasks, including cutting, shaping, joining and finishing.</p> <p>Select from and use a wider range of materials and components, including various textiles.</p> <p>Persevere through different stages of the making process.</p>	<p>Understand how key events and individuals in design and technology have helped shape the world.</p> <p>Investigate and analyse a range of existing products.</p> <p>Evaluate their ideas and products against their own design criteria.</p> <p>Consider the views of others to improve their work.</p> <p>Continuously check that their design is the best it can be.</p> <p>Check whether any part of their design could be improved.</p> <p>Evaluate the appearance and function of their product against their original design criteria.</p>

Vocabulary

textiles, hessian, cutting, joining, precise, finishing, design, evaluate

Resources

hessian, material scraps, scissors, needles, cotton