



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>Textiles</p> <p>Puppet</p>	<p>To be able to design a product for a specific audience.</p> <p>To be able to create their own pattern piece to use when cutting out fabric.</p> <p>Measure, mark out and cut materials/components with some accuracy.</p> <p>To show a level of expertise when using a range of tools and equipment.</p> <p>To be able choose from a variety of stitches when deciding how to join fabric or add on additional decoration.</p>	<p>Research the needs and requirements of the products audience and use this to begin creating a success criteria.</p> <p>Gather information to help design a successful product by performing market research on current products.</p> <p>Produce a detailed plan with labelled diagrams and exploded diagrams.</p> <p>Children can give an explanation to explain their final design.</p> <p>Respond to feedback given by others and if necessary change design accordingly.</p>	<p>Select the most appropriate materials and tools for their product and explain their choices.</p> <p>Accurately measure and mark out their pattern/ template.</p> <p>Accurately join materials using an appropriate stich chosen by themselves.</p> <p>Evaluate the quality of the product throughout the making process and decide if their needs to be any changes to their design.</p> <p>Apply a range of finishing techniques with some accuracy.</p>	<p>Evaluate existing products by gathering feedback from the audience on: use, materials, how they work, and fit for purpose.</p> <p>Evaluate existing products to establish successful features. Use this to create a success criteria for the product.</p> <p>Refer to success criteria while designing and making. Check the product is to a high quality. If it is not adapt plan as necessary.</p> <p>Explain what they changed which made their design even better and explain their reasons for this.</p> <p>Children to evaluate the final product against the success criteria.</p>

Vocabulary

fabric, decorations, components, sew, needle thread, design, measure, mark, market research, exploded diagram

Resources

felt, sequins, beads, needle, thread, current puppets (to be used as an example), fabric scissors.



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<p>Food Technology</p> <p>Pasty</p>	<p>To know how to be hygienic and safe when preparing food.</p> <p>To be safe when using cooking utensils.</p> <p>To be able to make the food look aesthetically appealing.</p> <p>Understand ingredients can be fresh, pre-cooked or processed</p> <p>To use some of the following techniques: peeling, chopping, slicing, grating, mixing, spreading, kneading and baking.</p>	<p>Use research for design ideas. Try a range of different pasties to explore the different foods which can be put in a pasty.</p> <p>Create a success criteria for a successful pasty. Design a product in keeping with the success criteria.</p> <p>Create an annotated sketch of the product.</p> <p>Develop a clear idea of what has to be done, planning how to use material, equipment and processes.</p> <p>Suggest alternative methods of making if the first attempt fails.</p> <p>Explain their ingredient choices, making links to healthy living.</p>	<p>Select appropriate tools for making their product.</p> <p>Use some of the following techniques: peeling, chopping, slicing, grating, mixing, spreading, kneading and baking.</p> <p>Begin to apply a range of finishing techniques with accuracy.</p> <p>Work through plan in the correct order.</p> <p>Work safely and hygienically.</p> <p>Make suggestions as to what I need to do next.</p>	<p>* Research existing products considering: consumer, ingredients, taste, texture, where they might they be sold; express personal opinion.</p> <p>* Discuss existing products, and discuss works well and what could be improved.</p> <p>Evaluate their work both during and at the end of the project.</p> <p>*Talk about how they worked safely whilst making the product.</p>

Vocabulary

slice, chop, ingredients, oven, mixture, weigh, bake, pastry

Resources

ingredients, mixing bowl, oven, mixing spoon, knives



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<p>Mechanisms</p> <p>Net light up decoration</p>	<p>To be able to design a product considering the purpose for which they are designing.</p> <p>To be able to design a product using CAD.</p> <p>To be able to understand and use an electrical system in their product.</p> <p>To apply their understanding of computing to control their product.</p> <p>To work safely with electrical systems.</p>	<p>Evaluate existing products and identify criteria that can be used for their own designs.</p> <p>Create design using CAD.</p> <p>Make labelled drawings from different views showing specific features.</p> <p>Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making if the first attempts fail.</p> <p>Explain purpose of product and how it will be suitable for the user.</p>	<p>I can write a set of instructions explain how the product should be made.</p> <p>Use CAD to create net design and follow the measurements from their design.</p> <p>Safely construct an electrical system which will work within their product.</p> <p>Use appropriate tools and materials to make my product and explain why I have chosen these tools over other tools.</p> <p>Work safely with the tools.</p>	<p>Talk about existing products considering: use, materials, how they work, audience, where they might be used.</p> <p>*Discuss and investigate other designers and well-known products.</p> <p>Use the evaluation of exiting products and investigation into designers to create a success criteria for their own product.</p> <p>Evaluate their product against their success criteria and proposed purpose of the product.</p> <p>Talk about what I would do differently if I were to do it again and why.</p> <p>Talk about how they worked safely whilst creating the electrical system.</p>

Vocabulary
vehicle, axel, wheels, chassis, design, audience, purpose, design, evaluate

Resources
cardboard boxes from home, axels and wheels, card



South Failsworth Primary School

Year 4 Design Technology skills and progression overview

