






Year 3 Key Concepts

 <p>Design</p>	 <p>Make</p>	 <p>Evaluate</p>	 <p>Technical knowledge</p>	 <p>Cooking & nutrition</p>
<p>I generate realistic ideas, focused on the needs of the user</p> <p>I can indicate the design features of my products that will appeal to intended users</p> <p>I am beginning to develop my own design criteria and use these to inform my ideas</p> <p>I share and clarify ideas through discussion</p> <p>I can describe the purpose of my products and explain how particular parts work</p> <p>I can use computer-aided design to develop and communicate my ideas</p> <p>I model my ideas using prototypes and pattern pieces</p> <p>I can use annotated sketches and cross-sectional drawings to develop and communicate my ideas</p>	<p>I select tools and equipment suitable for the task</p> <p>I can order the main stages of making</p> <p>I can measure, mark out, cut and shape materials and components with some accuracy</p> <p>I can use a wider range of materials and components than KS1, including mechanical components</p> <p>I can explain my choice of tools and equipment in relation to the skills and techniques I will be using</p> <p>I can assemble, join and combine materials and components with some accuracy</p> <p>I can apply a range of finishing techniques, including those from art and design, with some accuracy</p>	<p>I can identify the strengths and areas for development in my ideas and products</p> <p>I refer to the design criteria as I design and make</p> <p>I use my design criteria to evaluate my completed products</p> <p>I can identify the strengths and areas for development in my ideas and products</p> <p>I can investigate and analyse how well products have been designed and made</p> <p>I can investigate and analyse what methods of construction have been used</p> <p>I can investigate and analyse how well products work and how well they achieve their purpose</p> <p>I know about inventors, designers, engineers, chefs and manufacturers who have developed ground-breaking products</p>	<p>I know that materials have both functional properties and aesthetic qualities</p> <p>I know how to make strong, stiff, shell structures</p> <p>I know how mechanical systems such as cams or pulleys or gears create movement</p> <p>I know about the movement of simple mechanisms such as levers and sliders</p> <p>I know the correct technical vocabulary for the projects they are undertaking</p>	<p>I know that food is grown (such as tomatoes, wheat and potatoes), reared (such as pigs, chickens and cattle) and caught (such as fish) in the UK, Europe and the wider world</p> <p>I know that seasons may affect the food available</p> <p>I can demonstrate how to prepare and cook a variety of predominantly savoury dishes safely and hygienically including, where appropriate, the use of a heat source</p>

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