



Coverage of LKS2 objectives

LKS2	Objective (those in bold are the NC end of KS2 objectives)	Pupils working towards	Pupils working at	Pupils working beyond
Design	<p>I can design a product to a given criteria.</p> <p>I can share my design through annotated drawings, mock-ups and discussion.</p> <p>Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p>			
Make	<p>I can cut, shape, join and finish with a range of tools and increasing accuracy when making a product.</p> <p>I can select the best method, products, materials and ingredients to make a product of a good standard.</p> <p>Select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing), accurately</p> <p>Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</p>			
Evaluate	<p>I can explain to my peers how something works and how it was made.</p> <p>I can explore and evaluate different existing products, identifying how I can make something similar.</p> <p>I can evaluate my own finished product and identify how it could be improved.</p> <p>I can identify key individuals that have shaped the world with their designs and products.</p> <p>Investigate and analyse a range of existing products</p> <p>Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <p>Understand how key events and individuals in design and technology have helped shape the world</p>			



<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Technical Knowledge</p>	<p>I can use my knowledge of how to make structures stronger, stiffer and more stable in my own work.</p> <p>I can use levers, sliders, wheels and axles, gears and pulleys in my products.</p> <p>I can begin to use electrical components in my products.</p> <p>I can explore how products can be monitored or controlled by computing systems.</p> <p>Apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p> <p>Understand and use mechanical systems in their products (for example, gears, pulleys, cam, levers and linkages)</p> <p>Understand and use electrical systems in their products (for example, series circuits incorporating switches, bulbs, buzzers and motors)</p> <p>Apply their understanding of computing to program, monitor and control their products</p>			
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Cooking and Nutrition</p>	<p>I can begin to understand and apply the principles of a healthy and varied diet to prepare different dishes.</p> <p>I can prepare and cook simple, predominantly savoury dishes.</p> <p>I can begin to understand seasonality of food sources.</p> <p>I can begin to understand where and how the ingredients I have used are grown, reared caught and processed.</p> <p>Understand and apply the principles of a healthy and varied diet</p> <p>Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques</p> <p>Understand seasonality, and know where and how a variety of ingredients are grown reared, caught and processed</p>			