



Design and Technology

Year 6 – Cooking and Nutrition – Come Dine With Me		
Prior Learning	Year 6	Future Learning
In Year 5, children will:	In Year 6, children will:	In Year KS3, children will:
Design - Adapting a traditional recipe, understanding that the nutritional value of a recipe alters if you remove, substitute or add additional ingredients. - Writing an amended method for a recipe to incorporate the relevant changes to ingredients. - Designing appealing packaging to reflect a recipe. - Researching existing recipes to inform ingredient choices.	Design - Writing a recipe, explaining the key steps, method and ingredients. - Including facts and drawings from research undertaken.	Design - Use research and exploration, such as the study of different cultures, to identify and understand user needs. - Identify and solve their own design problems and understand how to reformulate problems given to them. - Develop specifications to inform the design of innovative, functional, appealing products that respond to needs in a variety of situations. - Use a variety of approaches [for example, biomimicry and user-centred design], to generate creative ideas and avoid stereotypical responses. - Develop and communicate design ideas using annotated sketches, detailed plans, 3-D and mathematical modelling, oral and digital presentations and computer-based tools.
Make - Cutting and preparing vegetables safely. - Using equipment safely, including knives, hot pans and hobs. - Knowing how to avoid cross-contamination. - Following a step by step method carefully to make a recipe.	Make - Following a recipe, including using the correct quantities of each ingredient. - Adapting a recipe based on research. - Working to a given timescale. - Working safely and hygienically with independence.	
Evaluate	Evaluate - Evaluating a recipe, considering: taste, smell, texture and origin of the food group. - Taste testing and scoring final products. - Suggesting and writing up points of improvements when scoring others' dishes, and when evaluating their own throughout the planning, preparation and cooking process.	Make

- Identifying the nutritional differences between different products and recipes. - Identifying and describing healthy benefits of food groups. Technical Knowledge - To understand where meat comes from - learning that beef is from cattle and how beef is reared and processed. - To know that recipes can be adapted to suit nutritional needs and dietary requirements. - To know that I can use a nutritional calculator to see how healthy a food option is. - To understand that 'cross-contamination' means bacteria and germs have been passed onto ready-to-eat foods and it happens when these foods mix with raw meat or unclean objects. - To know that coloured chopping boards can prevent cross-contamination. - To know that nutritional information is found on food packaging. - To know that food packaging serves many purposes.	- Evaluating health and safety in production to minimise cross contamination. Technical Knowledge - To know that 'flavour' is how a food or drink tastes. - To know that many countries have 'national dishes' which are recipes associated with that country. - To know that 'processed food' means food that has been put through multiple changes in a factory. - To understand that it is important to wash fruit and vegetables before eating to remove any dirt and insecticides. - To understand what happens to a certain food before it appears on the supermarket shelf (Farm to Fork). Vocab Balance, bitter, bridge method, complement, cookbook, cross-contamination, enhance, equipment, farm to fork, flavours, ingredients, method, pairing, preparation, recipe, research, salty, sour, storyboard, sweet, umami	- Select from and use specialist tools, techniques, processes, equipment and machinery precisely, including computer-aided manufacture. - Select from and use a wider, more complex range of materials, components and ingredients, taking into account their properties. Evaluate - Analyse the work of past and present professionals and others to develop and broaden their understanding. - Investigate new and emerging technologies. - Test, evaluate and refine their ideas and products against a specification, taking into account the views of intended users and other interested groups. - Understand developments in design and technology, its impact on individuals, society and the environment, and the responsibilities of designers, engineers and technologists. Technical Knowledge - Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions. - Understand how more advanced mechanical systems used in their products enable changes in movement and force.
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Pupils who are secure will be able to:							
- Find a suitable recipe for their course. - Record the relevant ingredients and equipment needed. - Follow a recipe, including using the correct quantities of each ingredient. - Write a recipe, explaining the process taken. - Explain where certain key foods come from before they appear on the supermarket shelf.							
National Curriculum Subject Content							
Design		Make		Evaluate		Technical Knowledge	
- 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 - Generate, develop, model and communicate their ideas through discussion,		- Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. - Select from and use a wider range of materials and components, including construction		- Investigate and analyse a range of existing products. - Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. - Understand how key events and individuals in design and technology		- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. - Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages].	

annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.	materials, textiles and ingredients, according to their functional properties and aesthetic qualities.	have helped shape the world.	- Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]. - Apply their understanding of computing to program, monitor and control their products.
Cooking and Nutrition			
- Understand and apply the principles of a healthy and varied diet. - Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques. - Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.			