

Origins of food	Nutrition	Preparing and cooking food	Ĩ	Electricity	Mechanisms	Structures	Joining	Cutting	Card making	Textiles	Repair and maintenance	Health and safety	Materials	Tools	Aspect	
Identify the source for common foods	Identify the main food groups, including fruit and vegetables.	Measure and weigh food items using non-standard measures (e.g. spoons and cups).	Input random control instructions to simple devices for an unplanned outcome (e.g. making Roamer move).	Identify and talk about products that use electricity to make them work.	Use wheels, axles, levers and sliders.	Build simple structures.	Join appropriately, using glue or tape.	Cut accurately and safely with scissors.	Fold, tear, roll and cut paper and card.	Cut out shapes from a range of fabrics and papers.	Explain how they would fix simple products.	Explain how to keep safe during a practical task.	Select and explain their choice of materials, sometimes with help,	Select and explain why they have chosen a particular tool for a task.	End of Year 1 expectations Average age 6 years 6 months	Key stage 1 - Essential Skills
Explain where the food they eat comes from (e.g. by referring to countries, counties, animals and plants).	Recognise the need for a variety of foods in a diet.	Cut, peel, grate and chop a range of ingredients to make dishes from other countries.	Input a sequence of instructions to a device for a planned outcome.	Create working circuits to light a bulb or work a buzzer.	Create and use wheels and axles, levers and sliders.	Improve structures by making them stronger, stiffer and more stable.	Attach features to a vehicle (e.g. an axle and wheels or a sail and rudder). Join appropriately, with glue and/or tape, for different materials and situations.	Cut wood/dowel using a bench hook and hacksaw.	Create simple hinges and pop-ups using card.	Join fabrics using running stitch, glue, staples, oversewing and tape.	Cut, measure, form and shape materials to fix or repair something, explaining objectives.	Work safely and hygienically in construction and cooking activities.	Choose appropriate materials and suggest ways of manipulating them to achieve a desired effect.	Use tools safely for cutting and joining materials and components.	End of Year 2 expectations Average age 7 years 6 months	al Skills
identify food which comes from the UK and other countries in the world.	Describe what a balanced diet is.	Combine a variety of ingredients using a range of cooking techniques.	Evaluate their own programme, refine and improve it.	Build models, incorporating circuits, with buzzers and bulbs.	Create and use simple gears, pulleys, cams, levers and linkages.	Create a shell or frame structure using diagonal struts to strengthen.	Join fabrics using a running stitch.	Measure and mark wood/dowel.	Cut slots in card and create nets.	Create a simple pattern for a design.	Try an alternative way of fixing something, if their first attempt isn't successful.	Follow health and safety rules for cooking and baking activities.	Plan which materials will be needed for a task and explain why.	Select the appropriate tools and explain choices.	End of Year 3 expectations Average age 8 years 6 months	Lower key stage 2 - E
Explain some of the processes that foods go through to preserve/make them more appealing.	Make healthy eating choices and explain why.	Measure and weigh ingredients appropriately to prepare and cook a range of savoury dishes.	Create a solution to a problem using a control output device that has a sequence of events that activate it.	Build models incorporating motors.	Use pulleys, levers and linkages in their products.	Prototype and build frame and shell structures, showing awareness of how to strengthen, stiffen and reinforce.	Use a glue gun with close supervision (one to one).	Cut internal shapes.	Use more complex pop-ups.	Use a simple pattern to create a life-sized item of clothing.	Describe how a product could be made better, stronger or more sustainable.	Follow health and safety rules when working with materials and substances.	Choose from a range of materials, showing an understanding of their different characteristics.	Analyse the potential of a range of tools and use them with accuracy.	End of Year 4 expectations Average age 9 years 6 months	Essential Skills
Explain what times of year particular foods are in season.	Evaluate meals and consider if they contribute towards a balanced dier.	Combine food ingredients appropriately (e.g. kneading, rubbing in and mixing).	Monitor and control more than one output, in response to changes.	Build models, incorporating switches to turn on and off.	Use cams or gears in their products.	Build a framework using a range of materials (e.g. wood, card and corrugated plastic) to support mechanisms.	Use a glue gun with close supervision.	Cut safely and accurately to a marked line.	Combine materials with temporary or fixed joints.	Create a 3-D product using a range of materials and sewing techniques.	Recycle, repair and mend old clothes/tools and explain why this is a good idea.	Select and name appropriate tools for specific jobs and demonstrate how to use them safely.	Select and combine materials with precision.	Name and select appropriate tools for a task and use them with precision.	End of Year 5 expectations Average age 10 years 6 months	Upper key stage 2 - Essential Skills
Explain how ingredients were grown, reared, caught and processed.	Plan how they can have a healthy/affordable diet.	Use appropriate tools and equipment, weighing and measuring with scales.	Develop, try out and refine sequences of instructions to effectively monitor, measure and control events.	Design products incorporating the most appropriate electrical systems.	Select the most appropriate mechanical system for a particular purpose.	Select the most appropriate materials and frameworks for different structures, explaining what makes them strong.	Join materials, using the most appropriate method for the materials or purpose.	Use a craft knife, cutting mat and safety ruler with one to one supervision if needed.	Combine materials with moving joints.	Combine fabrics to create more useful properties and make a product of high quality, checking for snags and glitches.	Paint, glue, nail and sand to rejuvenate a damaged, faulty or old object.	Demonstrate how their products take into account the safety of the user.	Choose the best materials for a task, showing an understanding of their working characteristics.	Use more complex tools with increasing accuracy.	End of Year 6 expectations Average age 11 years 6 months	sential Skills

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