

	EYFS Skills	Key Stage 1 Skills		Lower Key Stage 2	Skills	Upper Key Stage 2	? Skills
Tools Materials	EYFS Skills	Key Stage 1 Skills Select and explain why they have chosen a particular tool for a task. Select and explain their choice of materials,	Use tools safety for cutting and joining materials and components. Choose appropriate materials and suggest ways of	Lower Key Stage 2 Select the appropriate tools and explain choices. Plan which materials will be needed for a task and explain	Analyse the potential of a range of tools and use them with accuracy. Choose from a range of materials. Showing an	Upper Key Stage 2 Name and select appropriate tools for a task and use them with precision. Select and combine materials with precision.	Use more complex tools with increasing accuracy. Choose the best materials for a task. Showing an understanding of
		sometimes with	manipulating them to achieve a desired effect.	why.	understanding of their different characteristics.	precision.	their working characteristics.
Health and safety		Explain how to keep safe during a practical task.	Work safely and hygienically in construction and cooking activities.	Follow health and safety rules for cooking and baking activities.	Follow health and safety rules when working with materials and substances.	Select and name appropriate tools for specific jobs and demonstrate how to use them safely.	Demonstrate how their products take into account the safety of the user.
Repair and maintenance		Explain how they would fix simple products.	Cut, measure, form and shape materials to fix or repair something, explaining objectives.	Try an alternative way of fixing something, if their first attempt isn't successful.	Describe how a product could be made better, stronger or more sustainable.	Recycle, repair and mend old clothes/tools and explain why this is a good idea.	Paint, glue, nail and send to rejuvenate a damaged, faulty or old object.
Textiles		Cut out shapes from a range of fabrics and papers.	Join fabrics using running stitch, glue, staples, over	Create a simple pattern for a design. Cut slots in card and create nets.	Use a simple pattern to create a lifesized item of clothing.	Create a 3-D product using a range of materials and	Combine fabrics to create more useful properties and make a product of high



		sewing and tape.			sewing techniques.	quality, checking for snags and glitches.
Card making	Fold, tear, roll and cut paper and card.	Create simple hinges and popups using card	Measure and mark wood/dowel.	List more complex pup- ups	Combine materials with temporary or fixed joints.	Combine materials with moving joints.
Cutting	Cut accurately and safely with scissors.	Cut wood/dowel using a bench hook and hacksaw.	Join fabrics using a running stitch.	Cut internal shapes.	Cut safely and accurately to a marked line.	Use a craft knife, cutting mat and safety ruler with one to one supervision if needed.
Joining	Join appropriately, using glue or tape.	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.	Create a shell or frame structure using diagonal struts to strengthen.	Use a glue gun with close supervision (one to one).	Use a glue gun with close supervision.	Join materials, using the most appropriate method for the material or purpose.
Structures	Build simple structures.	Improve structures by making them stronger, stiffer and more stable.	Create a shell or frame structure using diagonal struts to strengthen.	Prototype and build frame and shell structures, showing awareness of how to strengthen,	Build a framework using a range of materials (e.g. wood, card and corrugated plastic) to	Select the most appropriate materials and frameworks for different structures, explaining what



				stiffen and reinforce.	support mechanisms.	makes them strong.
Mechanisms	Use wheels, axles, levers and sliders.	Create and use wheels and axles, levers and sliders.	Create and use simple gears, pulleys, cams, levers and linkages.	Use pulleys, levers and linkages in their products.	Use cams or gears in their products.	Select the most appropriate mechanical system for a particular purpose.
Electricity	Identify and talk about products that use electricity to make them work.	Create working circuits to light a bulb or work a buzzer.	Build models, incorporating circuits, with buzzers and bulbs.	Build models incorporating motors.	Build models, incorporating switches to turn on and off.	Design products incorporating the most appropriate electrical systems.
ICT	Input random control instructions to simple devices for an unplanned outcome(e.g. making Roamer move).	Input a sequence of instructions to a device for a planned outcome.	Evaluate their own programme, refine and improve it.	Create a solution to a problem using a control output device that has a sequence of events that activate it.	Monitor and control more than one output, in response to charges.	Develop, try out a reefing sequences of instructions to effectively monitor, measure and control events.
Preparing and cooking food	Measure and weigh food items using nonstandard measure (e.g. spoons and cups).	Cut, peel, grate and chop a range of ingredients to make dishes fro other countries.	Combine a variety of ingredients using a range of cooking techniques.	Measure and weigh ingredients appropriately to prepare and cook a range of savour dishes.	Combine food ingredients appropriately (e.g. kneading, rubbing in and mixing).	Use appropriate tools and equipment, weighing and measuring with scales.
Nutrition	Identify the main food groups,	Recognise the need for a	Describe what a balanced diet is.	Make healthy eating choices and explain why.	Evaluate meals and consider if they contribute	Plan how they can have a



	including fru	it variety of foods			towards a	healthy/affordable
	and vegetab	les. in a diet.			balanced diet.	diet.
Origins of food	Identify the	Explain where	Identify food	Explain some of	Explain what	Explain how
	source for	the food they	which comes	the processes	times of year	ingredients were
	common foo	ods. eat comes from	from the UK and	that foods go	particular foods	grown, reared,
		(e.g. by referring	other countries	through to	are in season.	caught and
		to countries,	in the world.	preserve/make		processed.
		counties,		them more		
		animals and		appealing.		
		plants).				