

Aspect	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Everyday objects	Name and explore a range of everyday products and begin to talk about how they are used.	everyday products	improved in	Explain how an existing product benefits the user.	Investigate and identify the design features of a familiar product.	design of a product has been influenced by the culture or society	Analyse how an invention or product has significantly changed or improved people's lives.
Staying safe	Follow rules and instructions to keep safe.	Follow the rules to keep safe during a practical task.	hygienically in	Use appliances safely with adult supervision.	Work safely with everyday chemical products under supervision, such as disinfectant hand wash and surface cleaning spray.	purpose of safety	Demonstrate how their products take into account the safety of the user.



	Explore, build and play with a	Use wheels and	Use a range of	Explore and use a	Explore and use a	Use mechanical	1	
	range of resources and	axles to make a	mechanisms	range of	range of	systems in their		l
<b></b>	construction kits with wheels	simple moving	(levers, sliders,	mechanisms	mechanisms	products, such as		1
	and axles.	model.	wheels and axles)	(levers, sliders,	(levers, axles,	pneumatics.		1
ism ner			in models or	axles, wheels and	cams, gears and			1
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Electricit	Identify products that use electricity to make them work.				Incorporate circuits that use a variety of components into models or products.		Understand and use electrical circuits that incorporate a variety of components (switches, lamps, buzzers and motors) and use programming to control their products.



		Create collaboratively, share	Create a design to	Generate and	Develop design	Use annotated	Use pattern pieces	Develop design	
		ideas and use a variety of	meet simple	communicate their	criteria to inform a	sketches and	and computer-	criteria for a	
		resources to make products	design criteria.	ideas through a	design.	exploded diagrams	aided design	functional and	
		inspired by existing products,		range of different		to test and	packages to	appealing product	
	аs	stories or their own ideas,		methods.		communicate their	design a product.	that is fit for	
	4.	interests or experiences.				ideas.		purpose,	
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Structures	Construct simple structures and models using a range of materials.	structures, models or other products using a range of	Explore how a structure can be made stronger, stiffer and more stable.	Create shell or frame structures using diagonal struts to strengthen them.	and frame structures,	materials to support	Select the most appropriate materials and frameworks for different structures, explaining what makes them strong.
Use of ICT	Use digital devices to take digital images or recordings of their creations to share with others.				Write a program to control a physical device, such as a light, speaker or buzzer.		Use a sensor to monitor an environmental variable, such as temperature, sound or light.



Choose and explore appropriate tools for simple practical tasks.	appropriate tool for a simple	for a task and	for cutting and	use tools with adult supervision.	increasingly appropriate tools for a task and use	Select appropriate tools for a task and use them safely and precisely.
	own and each other's work, identifying strengths or weaknesses and	closely their finished products meet their design criteria and say what they could do better in the future.	improvements to their products and describe how to implement them, beginning to take the views of	worked well and what aspects of their products could be	specification and make adaptations as they develop	



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Cutting	joining	Cut and join textiles using glue and simple stitches.	fabrics, including	Cut and join wools, threads and other materials to a loom.		Combine stitches and fabrics with imagination to create a mixed media collage.	Pin and tack fabrics in preparation for sewing and more complex pattern work.



	Select appropriate	Select and use a	Choose	Plan which	Choose from a	Select and	Choose the best	
	materials when	range of materials,	appropriate	materials will be	range of materials,	combine materials	materials for a	
	constructing and making.	beginning to	components and	needed for a task	showing an	with precision.	task, showing an	
		explain their	materials and	and explain why.	understanding of		understanding of	
		choices.	suggest ways of		their different		their working	
Se			manipulating them		characteristics.		characteristics.	
purpose			to achieve the					
д			desired effect.					
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Decorat	embelli	stapling or tying to decorate fabric, including buttons	embellishments,	weaving using embellishments, such as natural or silk flowers,	decorative patterns on fabric		Use different methods of fastening for function and decoration, including press studs, Velcro and buttons.



	Follow instructions,	Measure and	Prepare	Prepare and cook	Identify and use a	Use an increasing	Follow a recipe
ਰੂ	including simple recipes,	weigh food items	ingredients by	a simple savoury	range of cooking	range of	that requires a
an	that include measures and	using non-	peeling, grating,	dish.	techniques to	preparation and	variety of
tion	ingredients.	standard	chopping and		prepare a simple	cooking	techniques and
rati		measures, such as	slicing.		meal or snack.	techniques to cook	source the
pai		spoons and cups.				a sweet or savoury	necessary
ore Ig						dish.	ingredients
Food pre cooking							independently.
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Nutritio	Suggest healthy ingredients that can be used to make simple snacks.	Select healthy ingredients for a fruit or vegetable salad.	Describe the types of food needed for a healthy and varied diet and apply the principles to make a simple, healthy meal.	food groups (carbohydrates, protein, dairy, fruits and	Design a healthy snack or packed lunch and explain why it is healthy.	Evaluate meals and consider if they contribute towards a balanced diet.	Plan a healthy daily diet, justifying why each meal contributes towards a balanced diet.



	Begin to identify	y the origins of	Sort foods into	Identify the origin	Identify and name	Identify and name	Describe what	Explain how
			groups by whether	of some common	foods that are	foods that are	seasonality means	organic produce is
food	some foods.		they are from an	foods (milk, eggs,	produced in	produced in	and explain some	grown.
			animal or plant	some meats,	different places.	different places in	of the reasons	
SO			source.	common fruit and		the UK and	why it is	
g: I				vegetables).		beyond.	beneficial.	
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		Describe the similarities and differences between two products.	Compare different or the same products from the same or different brands.	similarities and difference	Create and complete a comparison table to compare two or more products.	Survey users in a range of focus groups and compare results.	Create a detailed comparative report about two or more products or inventions.
Significantpeople	Explore significant products.	Describe why a product is important.	Explain why a designer or inventor is important.	Describe how key events in design and technology have shaped the world.	Explain how and why a significant designer or inventor shaped the world.	Describe the social influence of a significant designer or inventor.	Present a detailed account of the significance of a favourite designer or inventor.