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End of FS	Area of	End of KS1 (Years 1 & 2)	End of LKS2 (Years 3 & 4)	End of UKS2 (Years 5 & 6)
(Reception)	attainment			
Expressive Arts & Design <u>Media &amp;</u> Mataziala	<u>Designing</u>	Work confidently within a range of con- texts, such as imaginary, story-based, home, school, gardens, playgrounds, local community and the wider environment.	Work confidently within a range of con- texts, such as home, school, leisure and the wider environment.	Work confidently within a range of con- texts, such as home, school, leisure, enter- prise, industry, culture and the wider envi- ronment.
<u>Materials</u> Children safely use and explore a variety of mate- rials, tools and techniques, ex-		State what products they are designing and making. Say whether their products are for them-	Use research and design criteria to inform the design of innovative, functional, ap- pealing products. Describe the purpose of their products.	Carry out research, using surveys, inter- views, questionnaires and web-based re- sources to identify the needs, wants, pref- erences and values of particular individuals and groups.
perimenting with colour, design, texture, form and		selves or other users. Describe what their products are for.	Gather information about the needs and wants of particular individuals and groups.	Use research and develop design criteria to inform the design of innovative, func-
function. Being		Say how they will make their products suit- able for their intended users.	Indicate the design features of their prod- ucts that will appeal to the intended users.	tional, appealing products that are fit for purpose aimed at particular individuals or groups.
Imaginative Children use		Use simple design criteria to help develop their ideas.	Explain how particular parts of their prod- ucts work.	Generate, develop, model and communi- cate their ideas through cross-sectional
what they have learnt about me- dia and materials in original ways,		Generate, develop, model and communi-	Generate, develop, model and communi- cate their ideas through discussion and annotated sketches.	and exploded diagrams, prototypes, pattern pieces and computer-aided design.
thinking about uses and purpos- es. They repre- sent their own		cate their ideas through talking about their own experiences and existing products, drawings, templates, exploring materials, creating mock-ups and, where appropriate, information and communication technolo-	Generate realistic ideas, focusing on the needs of the user.	Make design decisions, taking account o constraints such as time, resources and cost.
ideas, thoughts and feelings through art.		gy.	Make design decisions, taking into account the availability of resources.	
They represent their own ideas, thoughts and feelings through				
design and tech- nology.				



End of FS	Area of	End of KS1 (Years 1 & 2)	End of LKS2 (Years 3 & 4)	End of UKS2 (Years 5 & 6)
(Reception)	attainment			
Expressive Arts	Making	Select from and use a range of tools and	Select from and use a wider range of tools	Select from and use a wider range of tools
<u>&amp; Design</u>		equipment to perform practical tasks (for	and equipment to perform practical tasks	and equipment to perform practical tasks
<u>Media &amp;</u>		example, cutting, shaping, joining and fin-	[for example, cutting, shaping, joining and	[for example, cutting, shaping, joining and
<u>Materials</u>		ishing). They should explain their choices.	finishing]. Explain their choices.	finishing], accurately. Explain their choices in relation to the skills and techniques they
				will be using.
Children safely		Select from and use a wide range of materi-	Select from and use a wider range of mate-	
use and explore a		als and components, including construction	rials and components, including construc-	
variety of mate-		materials, textiles and ingredients, accord-	tion materials, textiles and ingredients,	Select from and use a wider range of mate-
rials, tools and techniques, ex-		ing to their characteristics.	according to their functional and aesthetic properties.	rials and components, including construc- tion materials, textiles and ingredients,
perimenting with				according to their functional properties
colour, design,		Plan by suggesting what to do next.		and aesthetic qualities.
texture, form and			Order the main stages of making.	
function.		Follow procedures for safety and hygiene.		
		To now procedures for surcey and hygiene.	Follow procedures for safety and hygiene.	Produce appropriate lists of tools, equip- ment and materials that they need.
<u>Being</u>		Measure, mark out, cut and shape materials		
<u>Imaginative</u>		and components.	Measure, mark out, cut and shape materi- als and components with some accuracy.	Formulate step-by-step plans as a guide to
Children use				making.
what they have		Assemble, join and combine materials and	Assemble, join and combine materials and components with some accuracy.	Follow procedures for safety and hygiene.
learnt about me-		components.	components with some accuracy.	
dia and materials				Accurately measure, mark out, cut and
in original ways,		Use finishing techniques, including those	Apply a range of finishing techniques, in-	shape materials and components.
thinking about		from art and design.	cluding those from art and design, with	
uses and purpos-			some accuracy.	Accurately assemble, join and combine
es. They repre-				materials and components.
sent their own				
ideas, thoughts				
and feelings through art.				Accurately apply a range of finishing tech- niques, including those from art and de-
-				sign.
They represent				-
their own ideas,				
thoughts and				Use techniques that involve a number of stops
feelings through design and tech-				steps.
nology.				
				Demonstrate resourcefulness when tack-
				ling practical problems.



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(Reception)	attainment			
Expressive Arts <u>&amp; Design</u>	<u>Evaluate</u>	Explore and evaluate a range of existing products:	Investigate and analyse a range of existing products	Investigate and analyse a range of existing products
<u>Media &amp;</u> <u>Materials</u> Children safely use and explore a variety of mate- rials, tools and techniques, ex- perimenting with colour, design, texture, form and function.		<ul> <li>-What products are</li> <li>-Who products are for</li> <li>-What products are for</li> <li>-How products work</li> <li>-How products are used</li> <li>-Where products might be used</li> <li>-What material products are made from</li> <li>-What they like and dislike about products.</li> </ul> Evaluate their ideas and products against design criteria, including, what they are making and how their product could be improved.	evaluate their ideas and products against their own design criteria. Consider: How well products have been de- signed How well products have been made Why materials have been chosen What methods of construction have been used How well products work How well products achieve their pur- poses How well products meet user needs and wants.	evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. Consider: How well products have been de- signed How well products have been made Why materials have been chosen What methods of construction have been used How well products work How well products achieve their pur- poses
Children use what they have learnt about me- dia and materials in original ways, thinking about uses and purpos- es. They repre- sent their own ideas, thoughts and feelings through art. They represent their own ideas, thoughts and feelings through design and tech- nology.			Investigate and analyse: Who designed and made the products Where products were designed and made When products were designed and made Whether products can be recycled or reused. Be introduced to inventors, designers, en- gineers, chefs and manufacturers who have developed ground-breaking products.	<ul> <li>How well products meet user needs and wants.</li> <li>Investigate and analyse:</li> <li>How much products cost to make.</li> <li>How innovative products are</li> <li>How sustainable the materials in products are</li> <li>What impact products have beyond their intended purpose.</li> <li>Understand how key events and individuals in design and technology have helped shape the world. (For example, inventors, designers, engineers, chefs and manufacturers)</li> </ul>



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End of FS	Area of	End of KS1 (Years 1 & 2)	End of LKS2 (Years 3 & 4)	End of UKS2 (Years 5 & 6)
(Reception)	attainment			
Understanding	<b>Technical</b>	Build structures, exploring how they can be	Use learning from science and maths to	Use learning from science and maths to
of the World	Knowledge	made stronger, stiffer and more stable.	help design and make products that wok.	help design and make products that wok.
Technology				
		Explore the movement of mechanisms (for	Understand that materials have both func-	Understand that materials have both func-
Children recog- nise that a range		example, levers, sliders, wheels and axles).	tional properties and aesthetic qualities,	tional properties and aesthetic qualities,
of technology is			and that materials can be combined to	and that materials can be combined to
used in places		Know about the simple working characteris-	create more useful characteristics.	create more useful characteristics.
such as homes		tics of materials and components.		
and schools. They			Know that mechanical and electrical sys-	Know that mechanical and electrical sys-
select and use		Know that 3D textile products can be as-	tems have an input, process and output.	tems have an input, process and output.
technology for		sembled from two identical fabric shapes.		
particular purpos-			Understand and use mechanical systems in	Understand and use mechanical systems in
es.		Know that food ingredients should be com-	their products (for example, pneumatics,	their products (for example, gears, pulleys
		bined according to their sensory character-	levers and linkages) to create movement.	and cams) to create movement.
Expressive Arts		istics.		
<u>&amp; Design</u>			Understand and use electrical systems to	Understand and use more complex electri-
Media and		Use correct technical vocabulary for the	create functional products (for example, series circuits incorporating switches,	cal systems to create functional products.
Materials		projects they are undertaking.	bulbs, buzzers and motors).	(for example, series circuits incorporating switches, bulbs, buzzers and motors).
Children safely			,	
use and explore a				
variety of mate-			Have an understanding of how to program a computer to control their products.	Have an understanding of how to program a computer to monitor changes in the en-
rials, tools and				vironment and control their products.
techniques, ex-				
perimenting with				Apply their understanding of how to
colour, design,			Apply their understanding of how to	strengthen, stiffen and reinforce a 3D
texture, form and			strengthen, stiffen and reinforce shell structures.	framework.
function.			structures.	
				Know that a 3D textiles product can be
Being			Know that a single piece of fabric can be used to create functional products.	made from a combination of fabric shapes.
<u>Imaginative</u>			used to create functional products.	
Children use what				Know that a recipe can be adapted by add-
they have learnt			Know that food ingredients can be fresh,	ing or substituting one or more ingredi-
about media and			pre-cooked and processed.	ents.
materials in origi-				
nal ways, thinking			Use correct technical vocabulary for the	Use correct technical vocabulary for the
about uses and			projects they are undertaking.	projects they are undertaking.
purposes. They				
represent their				
own ideas, thoughts and				
feelings through				
art.				
They represent				
their own ideas,				
thoughts and				
feelings through				
design and tech-				
nology.				



End of FS	Area of	End of KS1 (Years 1 & 2)	End of LKS2 (Years 3 & 4)	End of UKS2 (Years 5 & 6)
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Physical De-	Cooking and	Know that all food comes from plants or	Know that food is grown (such as toma-	Know that food is grown (such as toma-
<u>velopment</u>	<u>Nutrition</u>	animals.	toes, wheat and potatoes), reared (such as	toes, wheat and potatoes), reared (such as
Health & Self-			pigs, chickens and cattle) and caught (such as fish) in the UK, Europe and the wider	pigs, chickens and cattle) and caught (such as fish) in the UK, Europe and the wider
<u>Care</u>		Know that food has to be farmed, grown	world.	world.
Children know the		elsewhere (eg. Home) or caught.		
importance for			Prepare and cook a variety of predomi-	They should know that seasons may affect
good health, of		Name and sort foods into the 5 groups in	nantly savoury dishes safely and hygienical-	the food available.
physical exercise		'The Eatwell Plate'.	ly including, where appropriate, the use of	
and a healthy			a heat source.	To know how food is processed into ingre-
diet, and talk about ways to		Know that everyone should eat at least 5		dients that can be eaten or used in cook-
keep healthy and		portions of fruit and vegetables every day.	Use a range of techniques such as peeling,	ing.
safe.			chopping, slicing, grating, mixing, spread- ing, kneading and baking.	
		Know how to prepare simple dishes safely	ing, kiteduing and baking.	Prepare and cook a variety of predomi-
		and hygienically, without using a heat		nantly savoury dishes safely and hygieni-
		source.	Understand a healthy diet is made up from a variety and balance of different food and	cally including, where appropriate, the use of a heat source.
			drink, as depicted in 'The Eatwell Plate'.	
		Know how to use techniques such as cutting, peeling and grating.		
		cutting, peening and grating.	Understand that to be active and healthy,	Use a range of techniques such as peeling, chopping, slicing, grating, mixing, spread-
			food and drink are needed to provide ener-	ing, kneading and baking.
			gy for the body.	
				Understand that recipes can be adapted to
				change the appearance, taste, texture and
				aroma.
				Understand that different food and drink
				contain different substances – nutrients,
				water and fibre – that are needed for health.