

Aspect	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
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Everyday objects	AOL: Exp A&D Use everyday products, stories, pictures, interests and experiences to inspire their creations.	Explore and evaluate a range of existing products.					
Staying safe	AOL: PSED Explain the reasons for rules, know right from wrong and try to behave accordingly. AOL: PD Explore a range of tools and equipment to perform practical tasks safely, for example, cutting and joining.	Develop the creative, technical and prace everyday tasks confidently and to particitechnological world. Know about personal hygiene and germs including bacteria, viruses, how they are spread and treated, and the importance of handwashing.		Critique, evaluate and test their ideas and products and the work of others.			
Mechanisms & movement	AOL: Exp A&D Explore and create using a wide range of materials and components, including upcycled materials, construction kits, textiles and ingredients.	Explore and use mechanisms (for example, levers, sliders, wheels and axles), in their products.	Understand and use mechanical systems in their products (for example, gea pulleys, cams, levers and linkages).				



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Electricity	AOL: Exp A&D Use pictures, interests and experiences to inspire their creations. breadth	practical expertise everyday tasks con participate success	velop the creative, technical and actical expertise needed to perform eryday tasks confidently and to rticipate successfully in an creasingly technological world.		Understand and use electrical systems in their products (for example, series circuits incorporating switches, bulbs, buzzers and motors).				
Generation of ideas	AOL: Exp A&D Share their creations, explaining the process they have used.	other users based of Generate, develop, communicate their	for themselves and on design criteria. model and ideas through emplates, mock-ups riate, information	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, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.					



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Structures	AOL: Exp A&D Explore and create using a wide range of materials and components, including upcycled materials, construction kits, textiles and ingredients.	Build structures, ex can be made strong stable.	ploring how they ger, stiffer and more	Build structures, exploring how they can be made stronger, stiffer and more stable. Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.				
Use of ICT	AOL: Exp A&D Share their creations, explaining the process they have used.	Develop the creative practical expertise in everyday tasks con participate succession increasingly technology.	needed to perform fidently and to fully in an	Apply their understanding of computing to program, monitor and control their products.				
Investigation	AOL: PD Use a range of small tools, including scissors, paintbrushes and cutlery. AOL: PD Explore a range of tools and equipment to perform practical tasks safely, for example, cutting and joining.	Select from and use a range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing).					naping, joining and	
Evaluation	AOL: Exp A&D Share their creations, explaining the process they have used.	Evaluate their ideas against design crite	•	Evaluate their ideas and products against their own design criteria and consthe views of others to improve their work.				



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Cutting and joining textiles		Select from and use a range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing).		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 materials, textiles and ingredients, according to their functional properties and aesthetic qualities.	Select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing), accurately.
Materials for purpose	AOL: Exp A&D Explore and create using a wide range of materials and components, including upcycled materials, construction kits, textiles and ingredients.	Select from and use materials and comp construction materi ingredients, accord characteristics.	oonents, including ials, textiles and	Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.			



Big Idea	Aspect	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Materi	Decorating and embellishing textiles		Select from and use materials and comp construction materi ingredients, accord characteristics.	onents, including als, textiles and	Select from and us materials and comp construction mater ingredients, accord functional propertic qualities.	oonents, including ials, textiles and ling to their	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 materials, textiles and ingredients, according to their functional properties and aesthetic qualities.
Nature	Food preparation & cooking	AOL: Maths Use everyday language to talk about length and height, weight and capacity.	Use the basic principles of a healthy and varied diet to prepare dishes.	Select from and use a range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing). Use the basic principles of a healthy and varied diet to prepare dishes.	Prepare and cook a cooking techniques		antly savoury dishes u	-



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Nutrition	AOL: PSED Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.	Understand and apply the principles of a healthy and varied diet. Know what constitutes a healthy diet (including understanding calories and other nutritional content). Know the principles of planning and preparing a range of healthy meals.	Understand and apply the principles of a healthy and varied diet. Know what constitutes a healthy diet (including understanding calories and other nutritional content).	a healthy and varied	cutes a healthy diet anding calories and ontent). s of planning and	Understand and apply the principles of a healthy and varied diet. Know what constitutes a healthy diet (including understanding calories and other nutritional content).	Understand and apply the principles of a healthy and varied diet. Know what constitutes a healthy diet (including understanding calories and other nutritional content). Know the principles of planning and preparing a range of healthy meals.
Origins of food	AOL: World Make observations about the world around them.	Understand where f	food comes from.		nality, and know where ught and processed.	e and how a variety o	f ingredients are



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Compare & contrast	AOL: Exp A&D Share their creations, explaining the process they have used.	Explore and evaluate a range of existing products.		Understand how key events and individuals in design and technology have helped shape the world.	Investigate and analyse a range of existing products. covered	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.	Investigate and analyse a range of existing products.
Significant people	AOL: Exp A&D Use pictures, interests and experiences to inspire their creations.	Explore and evalua existing products.	te a range of	Understand how key events and individuals in design and technology have helped shape the world.			nnology have