

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer
through large and motor control skill supported and en Use 3D a Use varie enclosur enclosur Use tools	logy is taught through I small scale activities is through threading becouraged to: and 2D structures to expose construction materials and creating spaces is for a purpose ryday materials to explainable resources to creating spaces in the structure of the stru	inside and out. The eads, using scisson plore materials and/cals, e.g. joining piece pre, understand and resident present the early of	ere are also opports etc. Throughouser to express ideas es, stacking vertically	ortunities for children their time in nursery by and horizontally, baland by ideas, interests and	to develop fine , children will b ancing, making



	Autumn 1	Autumn 2	Spring 1	Spring 2:	Summer 1	Summer 2
	Children access a well-sto	ocked creative area as well as in line with their current int	a wide range of construction t terests and fascinations suppo			They use these to construct
Reception (EYFS: Expressive Arts & Design: Being Imaginative and Expressive, Creating with Materials)	pieces, stacking vertice balancing, making enspaces Uses tools for a purport	closures and creating ose rces to create props or	their interests and enquestions thinking Develops their own ide experimentation with disparts to express and condiscoveries and unders Uses available resource creates imaginary ones	and materials to explore uiries and develop their as through verse materials, e.g. loose ommunicate their standing. es to create props or to support play by to art works and objects, likes dinosaurs, that the this [child physically glooks like a mouth]	their interests and enquestions their own ide with diverse materials, and communicate their understanding. Uses available resource creates imaginary ones	and materials to explore uiries and develop their east through experimentation e.g. loose parts to express discoveries and es to create props or to support play by to art works and objects, likes dinosaurs, that e this [child physically g looks like a mouth]



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1 POR = Power of Reading	Making free standing struct Enclosure Design - design purposeful, functional, apporting other users based on design criteria Make - select from and use a range of tool tasks [for example, cutting, shaping, joining wide range of materials and components, it textiles and ingredients, according to their Evaluate - explore and evaluate a range of evaluate their ideas and products against of knowledge- build structures, exploring hot and more stable	pealing products for themselves and Is and equipment to perform practical g and finishing select from and use a including construction materials, characteristics If existing products design criteria Technical	Sliders and Leavers Design - design purposeful, functional themselves and other users based on Make - select from and use a range of practical tasks [for example, cutting, select from and use a wide range of moconstruction materials, textiles and inconstruction materials.	design criteria f tools and equipment to perform haping, joining and finishing] naterials and components, including predients, according to their	Food DT - Fruit salad select from and use a wide ra components, including constringredients, according to their use the basic principles of her prepare dishes understand where food come.	ange of materials and uction materials, textiles and r characteristics althy and varied diet to



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Textiles – Designing a puppet		Mechanisms - Design,	create & evaluate	Create a healthy sna	ck/meal – salad wraps
Year 2	Design - design purposeful, function themselves and other users based of generate, develop, model and communication, drawing, templates, mock-up information and communication tech. Make - select from and use a range perform practical tasks [for example, finishing]	on design criteria nunicate their ideas through os and, where appropriate, anology of tools and equipment to	Design - generate, develop, modeas through talking, drawing, where appropriate, information of the modes of t	templates, mock-ups and, and communication technology ange of tools and equipment to mple, cutting, shaping, joining ge of materials and tition materials, textiles and haracteristics and products against design and use mechanisms [for	Design - design purposeful, for themselves and other use Cooking and nutrition - use healthy and varied diet to prounderstand where food com	e the basic principles of a epare dishes

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3		Design and make a medicine box for a particular purpose Design - 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 Make - 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 Evaluate - investigate and analyse a range of existing products evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Design and make a media beign of innovative, functionare fit for purpose, aimed at participation of through discussion, annotated sexploded diagrams, prototypes, aided design Make - select from and use a wequipment to perform practical the shaping, joining and finishing, as select from and use a wider range components, including constructing redients, according to their functional to the select from and and products Evaluate - investigate and analyging of the select from and consider the views of the select from and the select from and the select from and use a wider range of the select from and use	elop design criteria to inform nal, appealing products that ticular individuals or groups ommunicate their ideas ketches, cross-sectional and pattern pieces and computerider range of tools and asks [for example, cutting, accurately ge of materials and tion materials, textiles and unctional properties and treatment of the section of th	products applying kr and health and safety working with food. Design - use research and of the design of innovative, fundare fit for purpose, aimed at a generate, develop, model and through discussion, annotate and exploded diagrams, protecomputer-aided design Make - select from and use a equipment to perform practice shaping, joining and finishing select from and use a wider components, including const ingredients, according to the aesthetic qualities Evaluate - investigate and ac products	develop design criteria to informational, appealing products that particular individuals or groups of communicate their ideas of sketches, cross-sectional otypes, pattern pieces and a wider range of tools and all tasks [for example, cutting, i], accurately range of materials and ruction materials, textiles and in functional properties and malyse a range of existing ducts against their own design



	Design and 1	echnology - Na	alional Cumculum Coverage i	by real Gloup
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	Autumn 1	Autumn 2	Spring 1 & 2	Summer 1	Summer 2
	Cooking and nutrition – Viking Blood Bread		Make do and mend - Toys	Electrical Circuits-ala	arms
	Preparation olives, cheese, design bread, plait fold, roll etc		Design - 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	that are fit for purpose, aimed	inform the design of products
	piait fold, foll etc		generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-		nd communicate realistic ideas
			aided design	through discussion and, as a sketches, cross-sectional and	d exploded diagrams.
Year 4			Make - 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	Making • Order the main star and use tools and equipment with some accuracy. • Select components, including constr components according to the aesthetic qualities.	to cut, shape, join and finish from and use materials and ruction materials and electrical
>			Evaluate - investigate and analyse a range of existing products	Evaluating • Investigate and battery-powered products.	analyse a range of existing
			evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Evaluate their ideas and proc criteria and identify the streng improvement in their work.	ducts against their own design gths and areas for
			understand how key events and individuals in design and technology have helped shape the world	Technical knowledge and u and use electrical systems in circuits incorporating switche	their products, such as series
				Apply their understanding of control their products. • Know relevant to the project.	computing to program and vand use technical vocabulary



	Autumn 1 & 2	Spring 1	Spring 2	Summer 1 & 2	
	Shadufs	Cooking - Seasonal Soup		Greek Temples	
Year 5	Design - 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 Make - 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 Evaluate - investigate and analyse a range of existing products evaluate their ideas and products against their own design criteria and consider the views of others to improve their work understand how key events and individuals in design and technology have helped shape the world Technical knowledge - apply their understanding of how to strengthen, stiffen and reinforce more complex structures understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]	Designing Generate innovative ideas thrediscussion with peers and adult design brief and criteria for a detection to develop a final proand purpose. Use words, annotated sketche and communication technology develop and communicate idea Making Write a step-by-step recipe, in ingredients, equipment and ute Select and use appropriate ut accurately to measure and comingredients. Make, decorate and present that appropriately for the intended utevaluating Carry out sensory evaluations relevant products and ingredier evaluations using e.g. tables/gras star diagrams. Evaluate the final product with the design brief and design speinto account the views of others improvements. Understand how key chefs ha habits to promote varied and he	ts to develop a esign specification. s, and make design duct linked to user es and information as appropriate to is. Including a list of insils ensils and equipment appropriate to ise and purpose. In food product iser and purpose.	Designing Carry out research into user needs and existing products, using surveys, interviews, questionnaires and web-based resources. Develop a simple design specification to guide the development of their ideas and products, taking account of constraints including time, resources and cost. Generate, develop and model innovative ideas, through discussion, prototypes and annotated sketches. Making Formulate a clear plan, including a step-by-step list of what needs to be done and lists of resources to be used. Competently select from and use appropriate tools to accurately measure, mark out, cut, shape and join construction materials to make frameworks. Use finishing and decorative techniques suitable for the product they are designing and making. Evaluating Investigate and evaluate a range of existing frame structures. Critically evaluate their products against their design specification, intended user and purpose, identifying strengths and areas for development, and carrying out appropriate tests. Research key events and individuals relevant to frame structures.	



	Design and Technology - National Cumculum Coverage by Teal Group				
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	Autumn 1 & 2	Spring 1& 2	Summer 1 & 2
	Victorian Cushions - Textiles	Electrical Board Games	Cooking - Bake Off (healthy snacks)
Year 6	Design - 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 Make - 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 Evaluate - investigate and analyse a range of existing products evaluate their ideas and products against their own design criteria and consider the views of others to improve their work understand how key events and individuals in design and technology have helped shape the world Technical knowledge - apply their understanding of how to strengthen, stiffen and reinforce more complex structures apply their understanding of computing to program, monitor and control their products.	Design - 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 Make - 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 Evaluate - investigate and analyse a range of existing products evaluate their ideas and products against their own design criteria and consider the views of others to improve their work understand how key events and individuals in design and technology have helped shape the world Technical knowledge - apply their understanding of how to strengthen, stiffen and reinforce more complex structures apply their understanding of computing to program, monitor and control their products.	Cooking and nutrition - understand and apply the principles of a healthy and varied diet prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed