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		E V	Year 1	Year 2	Year	Year	Year 5	Year
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		EVEC.	Netional Commission		National Complexity			
		EYFS	National Curriculum		National Curriculum			
		Pupils should be taught to: P • design purposeful, functional, appealing products for themselves and other users based on design criteria P • generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology P		at particular individuals or generate, develop, model	 Pupils should be taught to: 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 			
Design	Developing, planning and communicating ideas.	 Begin to use the language of designing and making, e.g. join, build and shape Learning about planning and adapting initial ideas to make them better. 	 Draw on their own experience to help generate ideas. Suggest ideas and explain what they are going to do. Identify a target group for what they intend to design and make. Model their ideas in card and paper. Develop their design ideas applying findings from their earlier research. 		 Generate ideas for an item, considering its purpose and the user/s. Identify a purpose and establish criteria for a successful product. Plan the order of their work before starting Explore, develop and communicate design proposals by modelling ideas. Make drawings with labels when designing. 	 Generate ideas, considering the purposes for which they are designing. Make labelled drawings from different views showing specific features. Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail. Evaluate products and identify criteria that can be used for their own designs. 	 Generate ideas through brainstorming and identify a purpose for their product. Draw up a specification for their design Use results of investigations, information sources, including ICT when developing design ideas. 	detailed labelled drawings.Develop a design specification.
		EYFS	National Curriculum		National Curriculum			
Select perform finish • select comp and it • build stron • explo		finishing]select from and use a wide	g. cutting, shaping, joining and range of materials and struction materials, textiles how they can be made stable ns [e.g. levers, sliders,	 National Curriculum Pupils should be taught to: select from and use a wider range of tools and equipment to perform practical tasks [e.g. cutting, shaping, joining and finishing], accurately select from and use a wider range of materials and components, including construction materials, textiles and ingredients, accordingto their functional properties and aesthetic qualities 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] understand and use electrical systems in their products [e.g. series circuits incorporating switches, bulbs, buzzers and motors] apply their understanding of computing to program, monitor and control their products 				



Working with tools, equipment, materials and components to	 -To learn to construct with a purpose in mindSelects tools and techniques needed to shape, assemble and join materials. 	 Make their design using appropriate techniques. With help measure, mark out, cut and shape a range of materials. Use tools eg scissors and a hole punch safely. Assemble, join and combine. materials and components together using a variety of temporary methods e.g. glues or masking tape. Select and use appropriate fruit and vegetables, processes and tools. Use basic food handling, hygienic practices and personal hygiene. Use simple finishing techniques to improve the appearance of their product. 	Begin to select tools and materials; use vocab' to name and describe them. Measure, cut and score with some accuracy. Use hand tools safely and appropriately. Assemble, join and combine materials in order to make a product. Cut, shape and join fabric to make a simple garment. Use basic sewing techniques. Follow safe procedures for food safety and hygiene. Choose and use appropriate finishing techniques.	 Select tools and techniques for making their product. Measure, mark out, cut, score and assemble components with more accuracy. Work safely and accurately with a range of simple tools. Think about their ideas as they make progress and be willing change things if this helps them improve their work. Measure, tape or pin, cut and join fabric with some accuracy. Demonstrate hygienic food preparation and storage. Use finishing techniques strengthen and improve the appearance of their product using a range of equipment including ICT 	Select <u>appropriate tools</u> and techniques for making their product. Measure, mark out, cut and shape a range <u>of materials</u> , using appropriate tools, equipment and techniques. Join and combine materials and components accurately in temporary and permanent ways. Sew using a range of different stitches, weave and knit. Measure, tape or pin, cut and join fabric with some accuracy. Use simple <u>graphical communication</u> <u>techniques</u> .	 Select <u>appropriate materials</u>, tools and techniques. Measure and mark out accurately. Use skills in using different tools and equipment safely and accurately. Weigh and measure accurately (time, dry ingredients, liquids). Apply the rules for basic food hygiene and other safe practices <i>e.g. hazards relating to the use of ovens</i>. Cut and join with accuracy to ensure a good-quality finish to the product. 	 Select appropriate tools, <u>materials</u>, components and techniques. Assemble components make working models. Use tools safely and accurately. Construct products using permanent joining techniques. Make modifications as they go along. Pin, sew and stitch materials together to create a product. Achieve a quality product.
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	EYFS	National Curriculum	National Curriculum
		 Pupils should be taught to: explore and evaluate a range of existing products evaluate their ideas and products against design criteria 	 Pupils should be taught to: 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
Evaluate Evaluating processes and products	 Begin to talk about changes made during the making process, e.g. making a decision to use a different joining method. 	 Evaluate their product by discussing how well it works in relation to the purpose. Evaluate their products as they are developed, identifying strengths and possible changes they might make. Evaluate their product by answering questions about what they have made and how they have gone about it. Evaluate against their design criteria. Evaluate their products as they identifying strengths and possible changes they might make. Talk about their ideas, saying what they like and dislike about them. 	 original design criteria e.g. how well it meets its intended purpose. Disassemble and evaluate familiar products. and at the end of the assignment. Evaluate their products carrying out appropriate tests. Evaluate their products carrying out appropriate tests. Evaluate it personally and seek evaluation from others. Evaluate against their original criteria and suggest ways that their product could be improved.

		EYFS	National Curriculum		National Curriculum			
trition			 Pupils should be taught to: use the basic principles toprepare dishes understand where food 	of a healthy and varied diet I comes from	 prepare and cook a value 	y the principles of a healthy and varied o ariety of predominantly savoury dishes ity, and know where and how a variety o	using a range of cooking techniques	
Cooking and Nuti	Where food comes from	 -To begin to understand some of the tools, techniques and processes involved in food preparationChildren have basic hygiene awareness. 	• Know where <u>food</u> comes from	• Know where <u>food</u> comes from	 Know that <u>food</u> is grown (such as tomatoes, wheat and potatoes),<u>reared (such as pigs, chickens and cattle) and caught</u> (such as fish) in the UK, Europe and the wider world 	 Know that <u>food</u> is grown (such as tomatoes, wheat and potatoes), <u>reared</u> (<u>such as pigs</u>, <u>chickensand cattle</u>) <u>and caught</u>(such as fish) in the UK, Europe and the wider world 	 Know that <u>seasons</u> <u>mayaffect the food</u> <u>available</u> Understand how food isprocessed into ingredients that can be eaten or used in cooking 	 Know that <u>seasons may</u> <u>affect the food available</u> Understand how food is processed into ingredients that can be eaten or used in cooking



	Food Preparation, Cooking and Nutrition	 To begin to understand some of the tools, techniques and processes involved in food preparation Children have basic hygiene awareness. 	Prepare <u>simple dishes</u> <u>safely</u> and hygienically, without using a heat sources	 Use appropriate equipment to weighand measure ingredients Prepare simple dishes safely and hygienically without using a heat sources Use techniques such as cutting Name and sort foods into the five groups of the <u>'eat well' plate</u> Know that everyone should eat at least five portions of fruit and vegetables every day 	 of a heat source How to use <u>a range</u> <u>oftechniques</u> such peeling, chopping slicing, grating, mixing, spreading kneading and bak Know that a healthy diet is made up froma variety and balance of different foods and drinks, as depicted in the 'exwell' plate 	iely savourydish and hygieni including, w appropriate of a heat so of technique s, peeling, cho slicing, graf ing kneading ar Know that t activeand h food is need the body • Measure us	ety ofcook ahtlypredohtlypredohtlypredohtlyand hhtreeincludhtreeapprohtreeof a ha range•es such astechnopping,peelinting,slicingeading,mixinghto bakingkneado be•eathy,be addded tothe approximate,aromaing grams•Know
Language and Vocabulary	Technical Vocabulary E Each year group builds on the previous one –	Make Join Build Structure Roll Scissors Hole Cut Stir Sweet Mix	Design Make Evaluate Join build structures stronger stiffer stable savoury sweet cut stir mix	mechanisms levers sliders wheels axles products cutting shaping finishing chop slice spread fold	annotated sketches cross-section sour bitter dairy carbohydrate fat protein	circuits switches bulbs buzzers motors vitamins minerals	gears pulleys cams levers linkages prototypes

ow to prepare and pok a variety of redominantly avoury dishes <u>safely</u> and <u>hygienically</u> icluding, where opropriate, theuse f a heat source ow to use a <u>range of</u> echniques such as eeling, chopping, icing, grating, itxing, spreading, neading andbaking now that recipes can e adapted to change the appearance, este, texture and roma now that different bods contain ifferentsubstances - utrients, water and bre – that are eeded for health	 How to prepare and cook a variety of predominantly savoury dishes safely and hygienically including, where appropriate, theuse of a heat source How to use a range of techniques such as peeling, chopping, slicing, grating, mixing, spreading, kneading andbaking Understand the needfor correct storage Measure accurately Work out ratios inrecipes

pattern pieces exploded diagrams

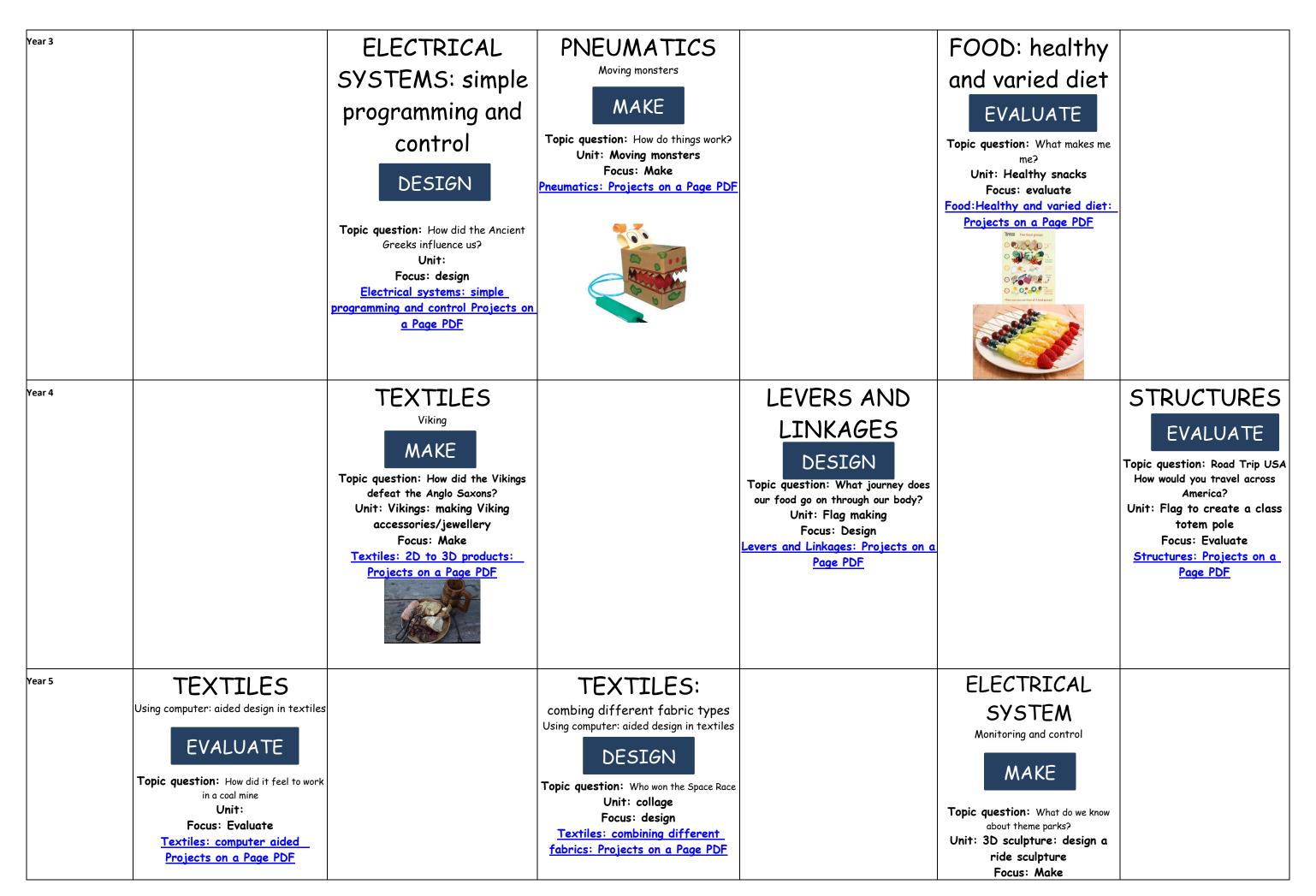


	Language Development Ea Each year group builds on the previous one –		Yes/No because I like/don't likebecause I think thatbecause In my opinionbecause When Ibecause After I	I thinkbecause and also because This happened because Next time I could I foundhard/easy because We/theybecause	I found thatbecause was successful/ ambitious because You could improve this work by Then/as a result ofbecause	Maybe you/I could try Furthermore eventually because	Possible improvements may include To begin with In conclusion The reason(s) for	Or alternatively Owing to (x) has/is This has altered Evidently
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			Areas of Study (2021-22)			
		Autumn	Spi	ring	Sumi	
YFS	FS1 <u>Sculpture/Building:</u> Stack and line up blocks FS2 <u>Sculpture/Building:</u> Build simple models using walls and towers. Manipulate clay/plasticine (rolls, cuts, squashes, pinches, twists)	FS1 <u>Sculpture/Building:</u> Demonstrate repetition in their building FS2 <u>Sculpture/Building:</u> Build simple models using walls, roofs and towers.	FS1 Multimedia: Experiment with a variety of materials and fastenings eg glue, sellotape Explore different malleable materials Sculpture/Building: Experiment with making bridges with 2 supporting blocks Incorportae some loose parts FS2 Multimedia: Join items with sellotape independently Use the language smooth, rough, bendy, hard to describe texture. Sculpture/Building: Use a variety of resources - loose part play Makes something that they give meaning to- clay	FS1 <u>Sculpture/Building:</u> Use blocks in conjuction with small world items to represent houses, roads etc FS2 <u>Sculpture/Building:</u> Build models which replicate those in real life.	Begin to show purpose in making enclosures Use these enclosures imaginatively with a variety of loose parts and small world items_	intentions
ear 1/2		<section-header><section-header><text><text><text><text></text></text></text></text></section-header></section-header>		<section-header></section-header>		<section-header><section-header></section-header></section-header>







			Electrical system: monitoring and control Projects on a Page <u>PDF</u>
Year 6	STRUCTURES: FRAME STRUCTURES DESIGN Topic question: The Impact of War Unit: Did WWI or WWII have the biggest impact on our locality? Focus: Design Structures: frame structures Projects on a Page PDF	FOOD Celebrating culture and seaonality MAKE Topic question: Why was the ancient Mayan civilisation so mysterious? Unit: Celebrating culture and seaonality Mexican Food Focus: Make Food: celebrating culture and seasonality: Projects on a Page PDF	MECHANICAL SYSTEMS: Pullys or gears EVALUATE Topic question: Who were the Ancient Egyptions Unit: What did the Egyptians do for us? Mechanical Systems: pullys or gears Projects on a Page PDF



KS1 DT Curriculum NC End Points:	KS2 DT Curriculum End Points (NC):
Designing:	Designing
Is able to design purposeful, functional, appealing products for themselves and other users based on	Can use research and develop design criteria to inform
design criteria.	 products that are fit for purpose, aimed at particular in Is able to generate, develop, model and communicate
 Can generate, develop, model and communicate their ideas through talking, drawing, templates, mock- ups and, where appropriate, information and communication technology. 	 Is able to generate, develop, model and communicate sketches, cross- sectional and exploded diagrams, pro- design.
Making:	
 Is able to select from and use a range of tools and equipment to perform practical tasks [for example, 	Making:
cutting, shaping, joining and finishing].	Is able to select from and use a wider range of tools and the select from and use a wider range of tools and the select from and use a wider range of tools and the select from and t
 Can select from and use a wide range of materials and components, including construction materials, toutiles and ingredients, according to their characteristics. 	 example, cutting, shaping, joining and finishing], Can accurately select from and use a wide range of ma
textiles and ingredients, according to their characteristics.	 Call accurately select from and use a wide range of ma materials, textiles and ingredients, according to their f
Evaluating:	
Can explore and evaluate a range of existing products evaluate their ideas and products against design	Evaluating:
criteria.	Is able to investigate and analyse a range of existing p
Technical Knowledge	 Can evaluate their ideas and products against their ow to improve their work.
 Can build structures, exploring how they can be made stronger, stiffer and more stable. 	 Understands how key events and individuals in design
• Is able to explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Technical Knowledge:
Food Technology:	Applies their understanding of how to strengthen, stif
 Uses the basic principles of a healthy and varied diet to prepare dishes, understanding where food comes from. 	 Understands and can use mechanical systems in their and linkages].
	 Understands and can use electrical systems in their pr
	switches, bulbs, buzzers and motors].
	 Applies their understanding of computing to program,
	Food technology:
	 Understand and can apply the principles of a healthy a
	 Can prepare and cook a variety of predominantly save understand seasonality and know where and how a va processed.

End of Year End Points					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
I use my own ideas to make something. *I describe how something works. *I cut food safely. *I make a product which moves. *I make my model stronger. *I explain to someone else how I want to make my product. *I choose appropriate resources and tools. *I make a simple plan before making.	 *I think of an idea and plan what to do next. *I choose tools and materials and explain why I have chosen them. *I join materials and components in different ways. *I explain what went well with my work. *I explain why I have chosen specific textiles. *I measure materials to use in a model or structure. *I describe the ingredients I am using. 	 *I prove that my design meets some set criteria. *I follow a step-by-step plan, choosing the right equipment and materials. *I design a product and make sure that it looks attractive. *I choose a material for both its suitability and its appearance. *I select the most appropriate tools and techniques for a given task. *I make a product which uses both electrical and mechanical components. *I work accurately to measure, make cuts and make holes. *I describe how food ingredients come together 	 *I use ideas from other people when I am designing. *I produce a plan and explain it. *I evaluate and suggest improvements for my designs. *I evaluate products for both their purpose and appearance. *I explain how I have improved my original design. *I present a product in an interesting way. *I measure accurately. *I persevere and adapt my work when my original ideas do not work. *I know how to be both hygienic and safe when using food. 	 *I come up with a range of ideas after collecting information from different sources. *I produce a detailed, step-by-step plan. *I suggest alternative plans; outlining the positive features and draw backs. *I explain how a product will appeal to a specific audience. *I evaluate appearance and function against original criteria. *I use a range of tools and equipment competently. *I make a prototype before make a final version. *I show that I can be both hygienic and safe in the kitchen. 	*I use market re: *I follow and ref *I justify my plar *I show that I ca *I show that I ca *I explain how pr *I work within a l *I evaluate my pr

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products [for example, series circuits incorporating

m, monitor and control their products.

and varied diet.

voury dishes using a range of cooking techniques variety of ingredients are grown, reared, caught and

t research to inform my plans and ideas.

refine my plans.

plans in a convincing way.

I consider culture and society in my plans and designs.

I can test and evaluate my products.

v products should be stored and give reasons.

n a budget.

v product against clear criteria.

