





<u>DT</u>

	Autumn		Spring		Summer	
Year 1 Topics	The Enchanted Woodland	Magical Story Chest	On the Move	Superheroes	Dinosaurs	Oh I do like to be Beside the Seaside
Year 1		Magical Biscuit		Design a Superhero		Design a boat
		Design		Costume		Design
		 Design purposeful, 		Design		 generate, develop,
		functional,		 generate, develop, 		model and
		appealing products		model and		communicate their
		for themselves and		communicate their		ideas through talking,
		other users based		ideas through talking,		drawing, templates,
		on design criteria		drawing, templates,		mock-ups and, where
		Make		mock-ups and, where		appropriate,
		 select from and use 		appropriate,		information and
		a wide range of		information and		communication
		materials and		communication		technology
		components,		technology		Make
		including		Make		 select from and use a
		ingredients,		 select from and use a 		range of tools and
		according to their		range of tools and		equipment to perform
		characteristics		equipment to		practical tasks [for
		Evaluate		perform practical		example, cutting,
		 explore and 		tasks [for example,		shaping, joining and
		evaluate a range of		cutting, shaping,		finishing]
		existing products		joining and finishing]		Evaluate
		 evaluate their ideas 		Evaluate		 explore and evaluate a
		and products against		 explore and evaluate 		range of existing
		design criteria		a range of existing		products
		Cooking and Nutrition		products		evaluate their ideas
		use the basic		evaluate their ideas		and products against
		principles of a		and products against		design criteria
		healthy and varied		design criteria		Technical knowledge

		diet to prepare dishes understand where food comes from.			 build structures, exploring how they can be made stronger, stiffer and more stable explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products
Year 2 Topics	Towers, Tunnels and Turrets	Fire and Ice	Travel and Adventure	Homes and Habitats	Fit 4 Life
Year 2	Castles – Joining		Paper Mechanisms – modes of transport		Food Design – Fruit Salad
	Design		Design		Design
	 generate, develop, 		 generate, develop, model and 		 design purposeful,
	model and		communicate their ideas through		functional, appealing
	communicate their		talking, drawing, templates, mock-ups		products for
	ideas through		and, where appropriate, information		themselves and other
	talking, drawing,		and communication technology		users based on
	templates, mock-ups		Make		design criteria
	and, where		 select from and use a range of tools 		Make
	appropriate,		and equipment to perform practical		select from and use a
	information and		tasks [for example, cutting, shaping,		wide range of
	communication		joining and finishing]		materials and
	technology		Evaluate		components,
	Make		 explore and evaluate a range of 		including
	select from and use		existing products		ingredients,
	a range of tools and		 evaluate their ideas and products 		according to their
	equipment to		against design criteria		characteristics
	perform practical		Technical Knowledge		Evaluate
	tasks [for example,		 build structures, exploring how they 		 explore and evaluate
	cutting, shaping,		can be made stronger, stiffer and more		a range of existing
	joining and finishing]		stable		products
	Technical Knowledge		 explore and use mechanisms [for 		 evaluate their ideas
	• build structures,		example, levers, sliders, wheels and		and products against
	exploring how they		axles], in their products		design criteria
	can be made				Cooking and Nutrition

Year 3 Topics	stronger, stiffer and more stable Stones and Bones	Mighty Metals	I Want My Mummy	Romans On The Rampage	 use the basic principles of a healthy and varied diet to prepare dishes understand where food comes from. Raindrop To River
Year 3		Design a tool that could be incorporated in The Iron Giant story 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 Make • select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately		Food – design a Caesar salad or a Roman sandwich snack http://timetravellerkids.co.uk/news/make-some-roman-honey-pastries/ Make • 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 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.	Bridge Building 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 Select • from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately Evaluate • 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

Year 4 Topics	Off with her head! (Tudors)	A Taste of India	I Predict a Riot!	Carnival of Animals	Secret Shores
Year 4		Food Make • 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 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.	Viking Money Containers Design • generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computeraided design Make • 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 • evaluate their ideas and products against their own design criteria and consider the views of others to improve their work Technical Knowledge • apply their understanding of computing to program, monitor and control their products.		
Year 5 Topics	Victorians	Space	Natural Disasters/ Materials	Enterprise	Greeks

Year 5	Victorian based Cam	Textiles and Sewing .	Cooking linked to Greeks
	Toy with a space	Design	(products, wrappers and
	design	use research and develop design	boxes)
	Design	criteria to inform the design of	Design
	 use research and 	innovative, functional, appealing	 select from and
	develop design	products that are fit for purpose, aimed	use a wider range
	criteria to inform the	at particular individuals or groups	of materials and
	design of innovative,	Make	components,
	functional, appealing	select from and use a wider range of	including
	products that are fit	materials and components, including	construction
	for purpose, aimed	construction materials, textiles and	materials, textiles
	at particular	ingredients, according to their	and ingredients,
	individuals or groups	functional properties and aesthetic	according to their
	 generate, develop, 	qualities	functional
	model and	Evaluate	properties and
	communicate their	investigate and analyse a range of	aesthetic qualities
	ideas through	existing products	Cooking and Nutrition
	discussion,	evaluate their ideas and products	 understand and
	annotated sketches,	against their own design criteria and	apply the
	cross-sectional and	consider the views of others to improve	principles of a
	exploded diagrams,	their work	healthy and varied
	prototypes, pattern		diet
	pieces and		 prepare and cook
	computer-aided		a variety of
	design		predominantly
	Make .		savoury dishes
	Select from and use		using a range of
	a wider range of		cooking
	tools and equipment		techniques
	to perform practical		understand
	tasks [for example,		seasonality, and
	cutting, shaping,		know where and
	joining and finishing],		how a variety of
	accurately		ingredients are
	Evaluate		grown, reared,
	Evaluate their ideas		caught and
	and products against		processed
	their own design		Technical Knowledge
	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			 apply their understanding of computing to program, monitor and control their products
	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]			
Year 6 Topics	The Home Front	Hola Mexico!	Vive la France!	I'm a Survivor
Year 6	Light Up a Torch	Mexican food/Chocolate	. Mobile Phone Pouches - Textiles	
	Design • 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 materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities Evaluate	Make • 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 • understand and apply the principles of a healthy and varied diet Cooking and Nutrition • prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques	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 Make select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according	

 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 Technical Knowledge understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] 	understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed	
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