	SOMERFORD PRIMARY DESIGN AND TECHNOLOGY CURRICULUM						
	AUTUMN		SPRING		SUMMER		
	Marvellous Me	Colour Magic	Bears	On the Farm	Mini-Beasts	Under the Sea	
EYFS	Exploring tools and materials: play dough, Construction for purpose Tap a shape Threading shapes Material sorting for purpose.	Rainbow cakes Candle holders out of clay.	Using natural materials construct 'dens' for their bears. Creating bird feeders	Constructing farmyards Exploring fruits and vegetables and talking about a healthy diet.	Junk model minibeasts Minibeast holders	Threading fish	
YEAR ONE	(Toys) Design and make a toy or doll. Design purposeful, functional, appealing products for themselves and other users based on design criteria. Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics. Explore and evaluate a range of existing products.		(Up Up and Away) Moving pictures based on Jack and the Beanstalk. Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]. Evaluate their ideas and products against design criteria. Explore and use mechanisms (Sliders, linkages, levers), in their products.		(Pirates) Fruit kebabs Assemble or cook healthy ingredients. Understand where food comes from. Cut, peel or grate ingredients safely and hygienically. Identify that people should eat at least 5 portions of fruit and vegetables a day.		
	(Fire of London) Baking bread Measure or weigh using measuring cups or electronic scales. Learn 'rubbing in' method found in many recipes. Sort foods into the 5 groups using The Eat Well Plate. Identify that people should eat at least 5 portions of fruit and vegetables a day.		(Planes, Trains and Automobiles) Plan, design and build a vehicle.		(Hats, Hats, Hats) Sew a story character hand puppet.		
			Design purposeful, functional, appealing products for themselves and other users based on design criteria. Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.		Design purposeful, functional, appealing products for themselves and other users based on design criteria. Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology		
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0				Explore and evaluate a range of existing products.		components, including construction materials, textiles and ingredients, according to their characteristics.	
YEAR TWO			stiffer and r	s [for example, levers, sliders,	Explore and evaluate a ro Build structures, exploring how stiffer and n	ange of existing products. v they can be made stronger,	

	(Amaiam) China)	(Clama Ama)	(Averaged the Montal)	
	(Ancient China)	(Stone Age)	(Around the World)	
	Ginger Millet Porridge	Models of prehistoric shelters- Structures/woodwork	Light house linked to circuits, switches and bulbs and structures	
			using Modroc.	
	Prepare ingredients hygienically using appropriate utensils.	Generate, develop, model and communicate their ideas		
	Measure ingredients to the nearest gram accurately.	through discussion, annotated sketches, cross-sectional and	Use research and develop design criteria to inform the design	
		exploded diagrams, prototypes, pattern pieces and	of innovative, functional, appealing products that are fit for	
	Follow a recipe.	computer-aided design	purpose, aimed at particular individuals or groups	
	Assemble or cook healthy ingredients (controlling the			
	temperature of the oven or hob, if cooking)	Select from and use a wider range of materials and	Select from and use a wider range of materials and	
		components, including construction materials, textiles and	components, including construction materials, textiles and	
		ingredients, according to their functional properties and aesthetic qualities	ingredients, according to their functional properties and aesthetic qualities	
		Select from and use a wider range of tools and equipment to	desirietic qualities	
		perform practical tasks [for example, cutting, shaping, joining	Investigate and analyse a range of existing products	
THREE		and finishing], accurately	investigate and analyse a range of existing products	
		and misring, according	Understand and use electrical systems in their products [for	
光		Evaluate their ideas and products against their own design	example, series circuits incorporating switches, bulbs, buzzers	
5		criteria and consider the views of others to improve their work	and motors	
YEAR				
Ē		Apply their understanding of how to strengthen, stiffen and		
>		reinforce more complex structures		
	Jewel of the Nile.	Ancient Rome- Roman Cloaks (Textiles)	Monarchs	
	Make a shaduf- Structure, levers, pulleys	Old bedsheets- sewing simple applique and simple fastening.	Make a healthy meal suitable for Royal banquet. Focus on health, diet, grating, slicing, peeling.	
	Generate, develop, model and communicate their ideas	Use research and develop design criteria to inform the design	3,7,7,3,7,3,7,3,7,3,7,7,3,7,7,3,7,7,3,7	
	through discussion, annotated, sketches, cross-sectional and	of innovative, functional, appealing products that are fit for	Sort foods into the 5 groups using	
	exploded diagrams, prototypes, pattern pieces and	purpose, aimed at particular individuals or groups.	The Eat Well Plate and identify that this makes up a healthy	
FOUR	computer-aided design.		and balanced diet.	
		Select from and use a wider range of materials and	Measure ingredients to the nearest gram accurately.	
	Evaluate their ideas and products against their own design	components, including construction materials, textiles and	Follow a recipe.	
	criteria and consider the views of others to improve their work	ingredients, according to their functional properties and		
		aesthetic qualities		
단	Understand and use mechanical systems in their products [for			
	example, gears, pulleys, cams, levers and linkages	Select from and use a wider range of tools and equipment to		
< <		perform practical tasks [for example, cutting, shaping, joining		
YEAR	Apply their understanding of how to strengthen, stiffen and	and finishing], accurately		
	reinforce more complex structures			

Ancient Greece Ancient Greek desserts without nuts included (Pasteli)

Measure accurately and calculate ratios of ingredients to scale up or down from a recipe.

Demonstrate a range of baking and cooking techniques.
Create and refine recipes, including healthy seasonal ingredients, methods, cooking times and temperatures.
Understand and apply principles of a healthy and varied diet.
Identify that food and drink are needed to provide energy for a healthy and active lifestyle

Anglo Saxons/Vikings Sewing a Saxon purse with fastening and applique.

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 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.

Investigate and analyse a range of existing products.

Victorian Era Cams, levers, pulley and gears inventions.

Generate, develop, model and communicate their ideas through discussion, annotated

sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided desian

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

Understand how key events and individuals in design and technology have helped shape the world

Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors.]

Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages.

Apply their understanding of computing to program, monitor and control their products

Mysterious Mayans Mayan Houses and Temples- Exhibiton examples Choose own

Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

materials to fit purpose and build on mud base.

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

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

Apply their understanding of how to strengthen, stiffen and reinforce more complex structures

People and places- Meals from around the world. Children decide the dish of their choice based on countries they are researching.

Understand the importance of correct storage and handling of ingredients (using knowledge of micro-organisms).

Measure accurately and calculate ratios of ingredients to scale up or down from a recipe.

Demonstrate a range of baking and cooking techniques. Create and refine recipes, including healthy seasonal ingredients, methods, cooking times and temperatures. Understand how a variety of ingredients are grown, reared, caught and processed.

Earth Matters

Dragons Den Inventions- Focused on improving our world. Bulbs, switches and motors focus.

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sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

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