

Year						
EYFS	Autumn 1 – All	Autumn 2 –	Spring 1 –	Spring 2	Summer 1	Summer 2
	about me	Terrific tales	Amazing	Come	Ticket to ride	Under the sea
			Animals	outside		
	Use construction	Using 3d boxes	Using range	Gained	Assembled	Experience of
	kits and bricks to	and contains to	of tools	some	vehicles with	common fruit
	create structures	create own	Developed	experience	moving wheels	and vegetables,
	Using range of	product	some	of	using	undertaking
	tools		cutting,	designing,	construction	sensory
	Joining paper and		joining and	making and	kits.	activities i.e.
	card		finishing	evaluating	Explored	appearance
			skills with	products	moving	taste and
			card.	for a	vehicles	smell.
				specified	through play.	
				user and		Experience of
				purpose		cutting soft
						fruit and
						vegetables
						using
						appropriate
						utensils.
						make simple
						flaps



	Autumn 2	Spring 2	Summer 2	
1	<mark>Mechanisms</mark>	Food and Nutrition	Materials and Structures	
	Sliders and levers	Preparing fruit and	Freestanding structures	
	Explore and uses sliders and levers	vegetables	Know how to make free standing	
	Understand that different mechanics	Learn to distinguish	structures stronger, stiffer and	
	create different movements	between fruit and	more stable.	
		vegetables and where		
	Design, Make, Evaluate a product using	they grow.	Design, make and evaluate a free	
	paper and card which creates		standing structure	
	movement with a slider and lever	Design, make and		
	mechanism	evaluate a smoothie		
		using either fruit or		
		vegetables		
2	Food and Nutrition	<mark>Textiles</mark>	<mark>Mechanisms</mark>	
	Understand and use basic principles of	Templates and joining	Wheels and axles	
	a healthy and varied diet to prepare	techniques	Explore and use wheels, axles	
	dishes, (carbohydrates, proteins, fruits	Understand how simple	and axle holders.	
	and vegetables, dairy, oils and spreads)	3-D textile products are	Distinguish between fixed and	
		made, using a template	freely moving axles.	
	Design, make, evaluate a healthy wrap	to create two identical		
		shapes. Understand how	Design, make and evaluate a	
		to join fabrics using	vehicle which moves due to	
		different techniques e.g.	wheels and axles	



			EVERY CHILD, EVERY DAY, HAPPY TO I
		running stitch, glue, over stitch, stapling. Design, make, evaluate a 3d product using templates, textile and joining methods	
3	Mechanisms Levers and Link Understand and use lever and linkage mechanisms. Distinguish between fixed and loose pivots. Design, make, evaluate a product creates movement with a lever and linkage mechanism	Food and Nutrition Healthy and varied diet Know how to use appropriate equipment and utensils to prepare and combine food. Know about a range of fresh and processed ingredients appropriate for their product, and whether they are grown, reared or caught. Design, make and evaluate a bread based product with a healthy	Electrical systems Simple circuits and switches Understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs and buzzers. Design, make evaluate a battery- powered product with a switch



	C·11· · ·	EVERY CHED, EVERY DAY, HAPPY TO
	ingredients	
Textiles	<mark>Mechanisms</mark>	Structures
3D product with a fastening	Pneumatics	Shell structure
Know what fastenings can be used in a	Understand and use	Develop and use knowledge of
textile product	pneumatic mechanisms.	how to construct strong, stiff
Understand how to securely join two	Design, make and	shell structures. Develop and use
pieces of fabric together.	evaluate a product that	knowledge of nets of cubes and
Understand the need for patterns and	creates movement with a	cuboids and, where appropriate,
seam allowances.	pneumatic system	more complex 3D shapes.
Design, make evaluate a textile product		
with a fastening		Design, make evaluate a product
		that requires a shell structure
Textiles	Food and Nutrition	Electrical systems
Combining different fabric shapes	Healthy and varied diet	More complex switches
A 3-D textile product can be made from	Know how to use utensils	Understand and use complex
a combination of accurately made	and equipment including	switch electrical systems in
pattern pieces, fabric shapes and	heat sources to prepare	products.
different fabrics.	and cook food.	
Fabrics can be strengthened, stiffened		Design, make evaluate a battery
and reinforced where appropriate.	Design, make and	powered product with a
	evaluate a yeast based	complex switch system
	healthy snack	· · · ·
	3D product with a fastening Know what fastenings can be used in a textile product Understand how to securely join two pieces of fabric together. Understand the need for patterns and seam allowances. Design, make evaluate a textile product with a fastening Textiles Combining different fabric shapes A 3-D textile product can be made from a combination of accurately made pattern pieces, fabric shapes and different fabrics. Fabrics can be strengthened, stiffened	<ul> <li>3D product with a fastening</li> <li>Know what fastenings can be used in a textile product</li> <li>Understand how to securely join two pieces of fabric together.</li> <li>Understand the need for patterns and seam allowances.</li> <li>Design, make evaluate a textile product with a fastening</li> <li>Textiles</li> <li>Combining different fabric shapes</li> <li>A 3-D textile product can be made from a combination of accurately made pattern pieces, fabric shapes and different fabrics.</li> <li>Fabrics can be strengthened, stiffened and reinforced where appropriate.</li> <li>Pneumatics</li> <li>Understand and use pneumatic mechanisms.</li> <li>Design, make and evaluate a product that creates movement with a pneumatic system</li> </ul>



		EVERY CHILD, EVERY DAY, HAPPY
Design, make evaluate a textile product		
that uses two different types of fabrics		
Food and Nutrition	<mark>Mechanisms</mark>	<mark>Structures</mark>
Celebrating culture and seasonality	Cams	Frame structures
(food)	Understand that	Understand how to strengthen,
Understand about seasonality in	mechanical systems have	stiffen and reinforce 3-D
relation to food products and the	an input, process and an	frameworks.
source of different food products.	output. Understand how	
	cams can be used to	Design, Make and evaluate a
.Design, make and evaluate a three-	produce different types	frame structure using wood
course menu focused on three key	of movement and change	
ingredients, exploring culture and	the direction of	
seasonality	movement.	
	Design, make, evaluate a	
	product creates	
	movement and change of	
	direction with cams	
	that uses two different types of fabricsFood and NutritionCelebrating culture and seasonality (food)Understand about seasonality in relation to food products and the source of different food productsDesign, make and evaluate a three- course menu focused on three key ingredients, exploring culture and	that uses two different types of fabricsFood and NutritionCelebrating culture and seasonality (food)Mechanisms CamsUnderstand about seasonality in relation to food products and the source of different food products.Understand that mechanical systems have an input, process and an output. Understand how cams can be used to produce different types of movement and change the direction of movement Design, make and evaluate a three- course menu focused on three key ingredients, exploring culture and seasonalityoutput Design, make, evaluate a three- course menu focused on three key ingredients, exploring culture and seasonalityoutput Design, make, evaluate a three- course menu focused on three key ingredients, exploring culture and seasonalityoutput Design, make, evaluate a product creates movement and change of