

## Curriculum Progression Map: Feb 2023 Subject: Design and Technology

Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils explore, design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Children are taught to use tools correctly and safely to combine their designing and making skills alongside their knowledge and understanding in order to construct products that satisfy needs and challenges. They will also learn to apply the principles of a healthy diet and prepare and cook a variety of dishes. As the children make their way through the school, they will develop their understanding to explore, Investigate and analyse products, explore complex structures and use mechanical systems and electrical systems in products.

Кеу	Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Area							



Structure	S						
Skills							
Design	Junk Modelling Making verbal plans and material choices. Developing a junk model.	Constructing a Windmill Learning the importance of a clear design criteria. Including individual preferences and requirements in a design.	Baby Bear's Chair Generating and communicating ideas using sketching and modelling Learning about different types of structures, found in the natural world and in everyday objects	Constructing a Castle Designing a castle with key features to appeal to a specific person / purpose. Drawing and labelling a castle design using 2D shapes, labelling: - the 3D shapes that will create the features - materials needed and colours. Designing and/or decorating a castle tower on CAD software.	Pavilions Designing a stable pavilion structure that is aesthetically pleasing and selecting materials to create a desired effect. Building frame structures designed to support weight.	Bridges Designing a stable structure that is able to support weight. Creating a frame structure with a focus on triangulation.	Playgrounds Designing a playground featuring a variety of different structures, giving careful consideration to how the structures will be used, considering effective and ineffective designs.



Make	Improving fine mo-	Making stable	Making a	Constructing a	Creating a range of	Making a range of	Building a range of
	tor/scissor skills	structures from	structure	range of 3D	different shaped	different shaped	play apparatus
	with a variety of	card, tape and glue	according to	geometric shapes	frame structures.	beam bridges.	structures drawing
	materials.		design criteria.	using nets.			upon new and
		Learning how to			Making a variety of	Using triangles to	prior knowledge of
	Joining materials	turn 2D nets into	Creating joints	Creating special	free-standing	create truss	structures.
	in a variety of ways	3D structures.	and structures	features for	frame structures of	bridges that span a	
	(temporary and		from paper/card	individual designs.	different shapes	given distance and	Measuring,
	permanent).	Following	and tape.		and sizes.	support a load.	marking and
		instructions to cut		Making facades			cutting wood to
	Joining different	and assemble the	Building a strong	from a range of	Selecting	Building a wooden	create a range of
	materials together.	supporting	and stiff structure	recycled materials.	appropriate	bridge structure.	structures.
		structure of a	by folding paper.		materials to build a		
	Describing their	windmill.			strong structure	Independently	Using a range of
	junk model, and				and cladding.	measuring and	materials to
	how they intend to	Making functioning				marking wood	reinforce and add
	put it together.	turbines and axles			Reinforcing	accurately.	decoration to
		which are			corners to		structures.
		assembled into a			strengthen a	Selecting	
		main supporting			structure.	appropriate tools	
		structure.				and equipment for	
					Creating a design	particular tasks.	
					in accordance with		
					a plan.	Using the correct	
						techniques to saws	
					Learning to create	safely.	
					different textural		
					effects with	Identifying where	
					materials	a structure needs	
						reinforcement and	
						using card corners	



						for support. Explaining why	
						appropriating	
						materials is an	
						important part of	
						the design process.	
						Understanding	
						basic wood	
						functional	
Evoluato	Giving a verbal	Evaluating a	Exploring the	Evaluating own	Evaluating	Adapting and	Improving a design
Evaluate	evaluation of their	windmill according	features of	work and the work	structures made by	improving own	plan based on peer
	own and others'	to the design	structures.	of others based on	the class.	bridge structure by	evaluation.
	junk models with	criteria, testing		the aesthetic of		identifying points	
	adult support.	whether the	Comparing the	the finished	Describing what	of weakness and	Testing and
		structure is strong	stability of	product and in	characteristics of a	reinforcing them	adapting a design
	Checking to see if	and stable and	different shapes.	comparison to the	design and	as necessary.	to improve it as it
	matches their	altering it if it isn t.	Tosting the	original design.	it the most	Suggesting points	is developed.
	plan.	Suggest points for	strength of own	Suggesting points	effective	for improvements	Identifying what
	1	improvements.	structures.	for modification of		for own bridges	makes a successful
	Considering what			the individual	Considering	and those	structure.
	they would do dif-		Identifying the	designs.	effective and	designed by	
	ferently if they		weakest part of a		ineffective designs.	others.	
	were to do it		structure.				
	agaili.		Evaluating the				
	Describing their		strength stiffness				
	favourite and least						



	favourite part of		and stability of				
	their model.		own structure.				
Knowledg	e						
Technical	To know there are a range to differ- ent materials that can be used to make a model and that they are all slightly different. Making simple suggestions to fix	To understand that the shape of materials can be changed to improve the strength and stiffness of structures. To understand that cylinders are a strong type of	To know that shapes and structures with wide, flat bases or legs are the most stable. To understand that the shape of a structure affects its strength.	To understand that wide and flat based objects are more stable. To understand the importance of strength and stiffness in structures.	To understand what a frame structure is. To know that a 'free-standing' structure is one which can stand on its own. To know that a	To understand some different ways to reinforce structures. To understand how triangles can be used to reinforce bridges. To know that	To know that structures can be strengthened by manipulating materials and shapes. To understand what a 'footprint plan' is.
	their junk model.	structure (e.g. the main shape used for windmills and lighthouses). To understand that axles are used in structures and mechanisms to make parts turn in a circle.	To know that materials can be manipulated to improve strength and stiffness. To know that a structure is something which has been formed or made from parts.	To know the following features of a castle: flags, towers, battlements, turrets, curtain walls, moat, drawbridge and gatehouse - and their purpose. To know that a façade is the front	<ul> <li>pavilion is a a decorative building or structure for leisure activities.</li> <li>To know that cladding can be applied to structures for different effects.</li> <li>To know that aesthetics are how a product looks.</li> </ul>	properties are words that describe the form and function of materials. To understand why material selection is important based on properties. To understand the material (functional and	To understand that in the real world, design can impact users in positive and negative ways. To know that a prototype is a cheap model to test a design idea.
		understand that different structures	'stable' structure is one which is	or a structure.		properties of wood.	



		-				
	are used for	firmly fixed and	To understand that	To know that a		
	different purposes.	unlikely to	a castle needed to	product's function		
		changeor move.	be strong and	means its purpose.		
	To know that a		stable to withstand			
	structure is	To know that a	enemy attack.			
	something that has	'strong' structure				
	been made and put	is one which does	To know that a			
	together.	not break easily.	paper net is a flat			
	_		2D shape that can			
		To know that a	become a 3D			
		'stiff' structure or	shape once			
		material is one	assembled.			
		which does not				
		bend easily.	To know that a			
		,	design			
			specification is a			
			list of success			
			criteria for a			
			product.			
Mechanisms						
Skills		1		1	1	1
Design	Making a moving Storybook	Wheels and Axles	Pneumatic Toys	Making a Slingshot Car	Pop-up Book	Automata toys
		Designing a	Designing a toy		Designing a pop-up	Experimenting
	Explaining how to	vehicle that	which uses a	Designing a shape	book which uses a	with a range of
	adapt mechanisms,	includes wheels,	pneumatic system.		mixture of	cams, creating a
	using bridges or		-		structures and	design for an



	guides to control the movement. Designing a moving story book for a given audience.	axles and axle holders, that when combined, will allow the wheels to move. Creating clearly labelled drawings that illustrate movement.	Developing design criteria from a design brief. Generating ideas using thumbnail sketches and exploded diagrams. Learning that different types of drawings are used in design to explain ideas clearly.	<ul> <li>that reduces air resistance.</li> <li>Drawing a net to create a structure from.</li> <li>Choosing shapes that increase or decrease speed as a result of air resistance.</li> <li>Personalising a design.</li> </ul>	mechanisms. Naming each mechanism, input and output accurately. Storyboarding ideas for a book.	automata toy based on a choice of cam to create a desired movement. Understanding how linkages change the direction of a force. Making things move at the same time. Understanding and drawing cross-
						to show the inner- workings of my design.
Make	Following a design to create moving models that use levers and sliders.	Adapting mechanisms, when: • they do not work as they should. • to fit their vehicle design.	Creating a pneumatic system to create a desired motion. Building secure housing for a pneumatic system.	Measuring, marking, cutting and assembling with increasing accuracy. Making a model based on a chosen design.	Following a design brief to make a pop up book, neatly and with focus on accuracy. Making mechanisms	Measuring, marking and checking the accuracy of the jelutong and dowel pieces required. Measuring,





Evaluate		Testing a finished product, seeing whether it moves as planned and if not, explaining why	Testing wheel and axle mechanisms, identifying what stops the wheels from turning, and	Using the views of others to improve designs.	Evaluating the speed of a final product based on: the effect of shape on speed and the	Evaluating the work of others and receiving feedback on own	which the glue needs to dry/set. Evaluating the work of others and receiving feedback on own
		and how it can be fixed. Reviewing the success of a product by testing it with its intended audience.	recognising that a wheel needs an axle in order to move.	modifying the outcome, suggesting improvements. Understanding the purpose of exploded-diagrams through the eyes of a designer and their client.	accuracy of workmanship on performance.	work. Suggesting points for improvement.	work. Applying points of improvement to their toys. Describing changes they would make/do if they were to do the project again.
Knowledg	e	1		1	1	1	



Technical		To know that a mechanism is the parts of an object that move together. To know that a slider mechanism moves an object from side to side. To know that a slider mechanism has a slider, slots , guides and an object. To know that bridges and guides are bits of card that purposefully restrict the movement of the slider.	To know that wheels need to be round to rotate and move. To understand that for a wheel to move it must be attached to a rotating axle. To know that an axle moves within an axle holder which is fixed to the vehicle or toy. To know that the frame of a vehicle (chassis) needs to be balanced.	To understand how pneumatic systems work. To understand that pneumatic systems can be used as part of a mechanism. To know that pneumatic systems operate by drawing in, releasing and compressing air.	To understand that all moving things have kinetic energy. To understand that kinetic energy is the energy that something (object/person) has by being in motion. To know that air resistance is the level of drag on an object as it is forced through the air. To understand that the shape of a moving object will affect how it	To know that mechanisms control movement. To understand that mechanisms can be used to change one kind of motion into another. To understand how to use sliders, pivots and folds to create paper- based mechanisms.	To understand that the mechanism in an automata uses a system of cams, axles and followers. To understand that different shaped cams produce different outputs.		
					affect how it moves due to air resistance				
Electrical Systems (KS2 only)									
Skills									



Design		Electric Poster	Torches	Doodlers	Steady hand
					Game
		Carry out research	Designing a torch,	Identifying factors	
		based on a given	giving	that could be	Designing a steady
		topic (e.g. The	consideration to	changed on	hand game -
		Romans) to	the target	existing products	identifying and
		develop a range of	audience and	and explaining	naming the
		initial ideas.	creating both	how these would	components
			design and success	alter the form and	required.
		Generate a final	criteria focusing on	function of the	
		design for the	features of	product.	Drawing a design
		electric poster	individual design		from three
		with consideration	ideas.	Developing design	different
		to the client's		criteria based on	perspectives.
		needs and design		findings from	
		criteria.		investigating	Generating ideas
				existing products.	through sketching
		Design an electric			and discussion.
		poster that fits the		Developing design	
		requirements of a		criteria that	Modelling ideas
		given brief.		clarifies the target	through
				user.	prototypes.
		Plan the			
		positioning of the			Understanding the
		bulb (circuit			purpose of
		component) and			products (toys),
		its purpose.			including what is
					meant by 'fit for
					purpose' and 'form
					over function'.



Maka		Create a final	Making a torch	Altering a	Constructing a
IVIAKE		design for the	with a working	product's form and	stable base for a
		alastric postor		function by	
		electric poster.		tinkering with its	game.
			and switch.	tinkering with its	
		Mount the poster		configuration.	Accurately cutting,
		onto corrugated	Using appropriate		folding and
		card to improve its	equipment to cut	Making a	assembling a net.
		strength and allow	and attach	functional series	
		it to withstand the	materials.	circuit,	Decorating the
		weight of the		incorporating a	base of the game
		circuit on the rear.	Assembling a torch	motor.	to a high-quality
			according to the		finish.
		Measure and mark	design and success	Constructing a	
		materials out using	criteria.	product with	Making and testing
		a template or		consideration for	a circuit.
		ruler.		the design criteria.	
				-	Incorporating a
		Fit an electrical		Breaking down the	circuit into a base.
		component (bulb).		construction	
				process into steps	
		Learn ways to give		so that others can	
		the final product a		make the product.	
		higher quality		•	
		finish (e.g. framing			
		to conceal a			
		roughly cut edge).			
Evaluato		Learning to give	Evaluating	Carry out a	Testing own and
Lvaluate		and accept	electrical products.	product analysis to	others finished
		constructive		look at the	games, identifying
		criticism on own	Testing and	purpose of a	what went well
		work and the	evaluating the	product along with	and making
		work of others		p. ouder along with	
		work of others.			



		the client to review developing design ideas and check that they fulfil their needs.		changes in configuration positively or negatively affect an existing product. Peer evaluating a set of instructions to build a product.	existing children's toys.
		Revisiting the requirements of		affect its form.	Analysing a selection of
		Testing the success of initial ideas against the design criteria and justifying opinions.	product.	weaknesses. Determining which parts of a product affect its function and which parts	improvement. Gathering images and information about existing children's toys.
			success of a final	its strengths and	suggestions for



	To used another of the st		To luc out the ot	To luc out that
Technical	To understand that	To understand that	TO KNOW that	To know that
	an electrical	electrical	series circuits only	batteries contain
	system is a group	conductors are	have one direction	acid, which can be
	of parts	materials which	for the electricity	dangerous if they
	(components) that	electricity can pass	to flow.	leak.
	work together to	through.		
	transport		To know when	To know the
	electricity around	To understand that	there is a break in	names of the
	a circuit.	electrical	a series circuit, all	components in a
		insulators are	components turn	basic series circuit,
	To understand	materials which	off.	including a buzzer.
	common features	electricity cannot		
	of an electric	pass through.	To know that an	To know that
	product (switch,		electric motor	'form' means the
	battery or plug,	To know that a	converts electrical	shape and
	dials, buttons etc.).	battery contains	energy into	appearance of an
		stored electricity	rotational	object.
	To list examples of	that can be used to	movement,	
	common electric	power	causing the	To know the
	products (kettle,	products.	motor's axle to	difference
	remote control		spin.	between 'form'
	etc.).	To know that an		and 'function'.
		electrical circuit	To know a	
	To understand that	must be complete	motorised product	To understand that
	an electric product	for electricity to	is one which uses a	'fit for purpose'
	uses an electrical	flow.	motor to function.	means that a
	system to work			product works
	(function).	To know that a		how it should and
		switch can be used		is easy to use.
	To know the name	to complete and		
	and appearance of	break an electrical		
		circuit.		



				a bulb, battery, battery holder and crocodile wire to build simple circuits.			
Food (Any	/ ingredients (	or recipes sho	uld follow or	be adapted to	o the school e	thos)	
Skills							



Design	Soup	Fruit and	A Balanced Diet	Eating	Adapting a	What Could be	Come Dine With
Ŭ		<b>Vegetables</b>		<b>Seasonally</b>	recipe	Healthier?	Me
	Designing a soup		Designing a				
	recipe as a class.	Designing smoothie	healthy wrap	Creating a healthy	Designing a biscuit	Adapting a	Writing a recipe,
		carton packaging	based on a food	and nutritious	within a given	traditional recipe,	explaining the key
	Designing soup	by-hand or on	combination	recipe for a	budget, drawing	understanding that	steps, method and
	packaging.	ICT software.	which work well	savoury tart using	upon previous	the nutritional	ingredients.
			together.	seasonal	taste testing	value of a recipe	In almalia a fa sta an d
				ingredients,	judgements.	alters if you	Including facts and
				considering the		remove, substitute	research
				taste, texture,		or add additional	undertaken
				smell and		ingrealents.	undertaken.
				dich		Writing an	
				uisii.		amended method	
						for a recipe to	
						incorporate the	
						relevant changes	
						to ingredients.	
						_	
						Designing	
						appealing	
						packaging to	
						reflect a recipe	
Make	Chopping	Chopping fruit and	Slicing food safely	Knowing how to	Following a baking	Cutting and	Following a recipe,
	plasticine safely.	vegetables safely to	using the bridge	prepare	recipe, from start	preparing	including using the
	Channing	make a smoothie.	or claw grip.	themselves and a	to finish, including	vegetables safely.	correct quantities
	Chopping		Constructing a	work space to cook	the preparation of	Using oquinmost	or each ingredient.
	vegetables with		wrap that mosts a	the basic rules to	ingrealents.	using equipment	Adapting a regine
	δαμμοιτ.		design brief	avoid food		knives hot nans	hased on research
				contamination		and hohs	based on research.
				contamination.		unu 11005.	



				Following the instructions within a recipe.	Cooking safely, following basic hygiene rules. Adapting a recipe to improve it or change it to meet new criteria (e.g. from savoury to sweet).	Knowing how to avoid cross- contamination. Following a step by step method carefully to make a recipe.	Working to a given timescale. Working safely and hygienically with independence.
Evaluate	Tasting the soup and giving opinions. Describing some of the following when tasting food: look, feel, smell and taste. Choosing their favourite packaging design and explaining why.	Tasting and evaluating different food combinations. Describing appearance, smell and taste. Suggesting information to be included on packaging.	Describing the taste, texture and smell of fruit and vegetables. Taste testing food combinations and final products. Describing the information that should be included on a label. Evaluating which grip was most effective.	Establishing and using design criteria to help test and review dishes. Describing the benefits of seasonal fruits and vegetables and the impact on the environment. Suggesting points for improvement when making a seasonal tart.	Evaluating a recipe, considering: taste, smell, texture and appearance. Describing the impact of the budget on the selection of ingredients. Evaluating and comparing a range of food products. Suggesting modifications to a recipe (e.g. This biscuit has too many raisins, and it is falling apart,	Identifying the nutritional differences between different products and recipes. Identifying and describing healthy benefits of food groups.	Evaluating a recipe, considering: taste, smell, texture and origin of the food group. Taste testing and scoring final products. Suggesting and writing up points of improvements when scoring others' dishes, and when evaluating their own throughout the planning, preparation and cooking



					so next time I will		process.
					use less raisins).		Evaluating health
							and safety in
							production to
							minimise cross
							contamination.
Knowledge							
Cooking	To know that soup	Understanding the	To know that	To know that not	To know that the	To understand	To know that
and	is ingredients	difference between	'diet' means the	all fruits and	amount of an	where meat comes	'flavour' is how a
	(usually vegetables	fruits and	food and drink	vegetables can be	ingredient in a	from - learning	food or drink
nutrition	and liquid)	vegetables.	that a	grown in the UK.	recipe is known as	that beef is from	tastes.
	blended together.		person or animal		the 'quantity.'	cattle and	
		To understand that	usually eats.	To know that		how beef is reared	To know that many
	To know that	some foods	<ul> <li>To understand</li> </ul>	climate affects	To know that it is	and processed,	countries have
	vegetables are	typically known as	what makes a	food growth.	important to use	including key	'national dishes'
	grown.	vegetables are	balanced diet.		oven gloves when	welfare issues.	which are recipes
		actually fruits (e.g.	• To know where	To know that	removing hot food		associated
	To recognise and	cucumber).	to find the	vegetables and	from an oven.	To know that I can	with that country.
	name some		nutritional	fruit grow in		adapt a recipe to	
	common	To know that a	information on	certain seasons.	To know the	make it healthier	To know that
	vegetables.	blender is a	packaging.		following cooking	by substituting	'processed food'
		machine which	• To know that	To know that	techniques:	ingredients.	means food that
	To know that	mixes ingredients	the five main food	cooking	sieving, creaming,		has been put
	different	together into a	groups are:	instructions are	rubbing method,	To know that I can	through multiple
	vegetables taste	smooth liquid.	Carbohydrates,	known as a	cooling.	use a nutritional	changes in a
	different.	To be an that a funct	truits and	recipe.	To use downto a dath o	calculator to see	factory.
		TO KNOW THAT A TRUIT	vegetables,		To understand the	now nearthy a food	
	To know that	nas seeds and a	foods high in fot	io know that	hudgeting while	option is.	to understand that
	eating vegetables	vegetable does	and sugar	food which has	budgeting while	To understand that	it is important to
	is good for us.		anu sugar.	Tood which has	planning	'cross-	wash fruit and



To discuss why	To know that fruits	To understand	been brought into	ingredients for	contamination	vegetables before
different packages	grow on trees or	that I should eat a	the country.	biscuits	means bacteria	eating to
might be used for	vines.	range of different			and germs have	remove any dirt
different foods.		foods from each	To know that		been passed onto	and insecticides.
	To know that	food group, and	exported food is		ready-to-eat foods	
	vegetables can	roughly how	food which has		and it happens	To understand
	grow either above	much of each	been sent to		when these foods	what happens to a
	or below ground.	food group.	another country.		mix with raw meat	certain food
					or unclean objects.	before it appears
	To know that	To know that	To understand that			on the
	vegetables can	nutrients are	imported foods			supermarket shelf
	come from	substances in	travel from far			(Farm to Fork).
	different parts of	food that all	away and this can			
	the plant (e.g.	living things need	negatively impact			
	roots: potatoes,	to make energy,	the environment.			
	leaves: lettuce,	grow and				
	fruit: cucumber).	develop.	To know that each			
	,	•	fruit and vegetable			
		To know that	gives us nutritional			
		'ingredients'	benefits because			
		means the items	they contain			
		in a mixture	, vitamins. minerals			
		or recipe.	and fibre.			
		To know that I	To understand that			
		should only have	vitamins, minerals			
		a maximum of	and fibre are			
		five teaspoons of	important for			
		sugar a day to	energy.			
		stav healthy	growth and			
			maintaining			
			health			
			neurin.			



			To know that many food and drinks we do not expect to contain sugar do; we call these 'hidden sugars'	To know safety rules for using, storing and cleaning a knife safely. To know that similar coloured fruits and vegetables often have similar nutritional benefits.			
Textiles							
Skills							
Design	<b>Bookmarks</b>	Puppets	Pouches	Cushions	Fastenings	Stuffed Toys	Waistcoats
	Discussing what a good design needs. Designing a simple pattern with paper. Designing a bookmark.	Using a template to create a design for a puppet.	Designing a pouch.	Designing and making a template from an existing cushion and applying individual design criteria.	Writing design criteria for a product, articulating decisions made. Designing a personalised book sleeve.	Designing a stuffed toy, considering the main component shapes required and creating an appropriate template. Considering the proportions of individual components.	Designing a waistcoat in accordance to a specification linked to set of design criteria. Annotating designs, to explain their decisions.



	Choosing from						
	materials.						
Make	Developing fine motor/cutting	Cutting fabric neatly with scissors.	Selecting and cutting fabrics for	Following design criteria to create a	Making and testing	Creating a 3D stuffed toy from a	Using a template when cutting
	skills with scissors.		sewing.	cushion	with accuracy and	2D design.	fabric to ensure
		Using joining	C C		in keeping with the		they achieve the
	Exploring fine	methods to	Decorating a	Selecting and	design	Measuring,	correct shape.
	motor/threading	decorate a puppet.	pouch using fabric	cutting fabrics with	criteria.	marking and	
	and weaving	<b>C</b>	glue or running	ease using fabric		cutting fabric	Using pins
	(under, over	Sequencing steps	stitch.	scissors.	Measuring,	accurately and	effectively to
	variety of		Threading a	Threading needles	cutting fabric using	independently.	to fabric without
	materials.		needle.	with greater	a paper template.	Creating strong	creases or bulges.
				independence.	- p - p	and secure blanket	
	Using a prepared		Sewing running		Selecting a stitch	stitches when	Marking and
	needle and wool		stitch, with evenly	Tying knots with	style to join fabric.	joining fabric.	cutting fabric
	to practise		spaced, neat,	greater			accurately, in
	threading.		even stitches to	independence.	Working neatly by	Inreading needles	accordance with
				Sewing cross stitch	straight stitches	independentiy.	then design.
			Neatly pinning	to join fabric.	straight strenes.	Using appliqué to	Sewing a strong
			and cutting fabric	,	Incorporating a	attach pieces of	running stitch,
			using a template.	Decorating fabric	fastening to a	fabric decoration.	making small, neat
				using appliqué.	design.		stitches and
						Sewing blanket	following the edge.
				Completing design		stitch to join	Tuing strong knots
				and sewing the			i ying strong knots.
				edges		Applying blanket	Decorating a
						stitch so the	waistcoat,



						spaces between the stitches are even and regular.	attaching features (such as appliqué) using thread. Finishing the waistcoat with a secure fastening (such as buttons). Learning different decorative stitches. Sewing accurately with evenly spaced, neat stitches.
Evaluate	Reflecting on a finished product and comparing to their design.	Reflecting on a finished product, explaining likes and dislikes	Troubleshooting scenarios posed by teacher. Evaluating the quality of the stitching on others' work. Discussing as a class, the success of their stitching against the success criteria.	Evaluating an end product and thinking of other ways in which to create similar items.	Testing and evaluating an end product against the original design criteria. Deciding how many of the criteria should be met for the product to be considered successful.	Testing and evaluating an end product and giving point for further improvements.	Reflecting on their work continually throughout the design, make and evaluate process.



			Identifying aspects of their peers' work that they particularly like and why.		Suggesting modifications for improvement. Articulating the advantages and disadvantages of different fastening types.		
Knowledg	ge						
	To know that a design is a way of planning our idea before we start. To know that threading is putting one material through an object.	To know that 'joining technique' means connecting two pieces of material together. To know that there are various temporary methods of joining fabric by using staples. glue or pins. To understand that different	To know that sewing is a method of joining fabric. To know that different stitches can be used when sewing. To understand the importance of tying a knot after sewing the	Establishing and points for improvement when making a seasonal recipe	To know that a fastening is something which holds two pieces of material together for example a zipper, toggle, button, press stud and velcro. To know that different fastening types are useful for different	To know that blanket stitch is useful to reinforce the edges of a fabric material or join two pieces of fabric. To understand that it is easier to finish simpler designs to a high standard.	To understand that it is important to design clothing with the client/ target customer in mind. To know that using a template (or clothing pattern) helps to accurately mark out a design on fabric.
		techniques for joining materials can be used for different purposes. To understand that a template (or	final stitch. To know that a thimble can be used to protect my fingers when sewing.		purposes. To know that creating a mock-up (prototype) of their design is useful for checking	To know that soft toys are often made by creating appendages separately	To understand the importance of consistently sized stitches.



	fabric pattern	) is	ideas and	and then attaching	
	used to cut or	it the	proportions.	them to the main	
	same shape			body.	
	multiple time	5.			
				To know that	
	To know that			small, neat stitches	
	drawing a des	ign		which are pulled	
	idea is useful	to see		taut are important	
	how an idea v	vill		to ensure that the	
	look.			soft toy is strong	
				and holds the	
				stuffing securely.	
Кеу	See separate vocabulary document.				
Vocabulary					
vocasulary					