

## ST CHARLES' CATHOLIC PRIMARY SCHOOL



## DT PROGRESSION OF SKILLS, KNOWLEDGE AND VOCABULARY

	EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
				STRUCTURES			
DESIGN		Learning the	Generating and	Designing a stable		Designing a stable	
		importance of a clear	communicating ideas	pavilion structure		structure that is able	
		design criteria	using sketching and	that is aesthetically		to support weight	
			modelling	pleasing and			
		Including individual		selecting materials to		Creating frame	
		preferences and	Learning about	create a desired		structure with focus	
		requirements in a	different types of	effect		on triangulation	
		design	structures, found in				
			the natural world and	Building frame			
			in everyday objects	structures designed			
				to support weight			
			MECHAN	IISMS / MECHANICAL S	SYSTEMS		
			Creating a class	Designing a shape		Designing a pop-up	
			design criteria for a	that reduces air		book which uses a	
			moving	resistance		mixture of structures	
			monster			and mechanisms	
				Drawing a net to			
			Designing a moving	create a structure		Naming each	
			monster for a specific	from		mechanism, input	
			audience in			and output	
			accordance with a	Choosing shapes that		accurately	
			design criteria	increase or decrease			
				speed as a result of		Storyboarding ideas	
				air resistance		for a book	
				Personalising a			
				design			
		T	ELECT	IRICAL SYSTEMS (KS2 (	•		
					Designing a torch,		Designing a steady
					giving consideration		hand game -
					to the target		identifying and
					audience and		

				creating both design		naming the
				and success criteria		components required
				focusing on features		components required
				of individual design		Drawing a design
				ideas		from three different
				lucas		perspectives
						perspectives
						Generating ideas
						through sketching
						and discussion
						4114 41364331011
						Modelling ideas
						through prototypes
						1 10 1 111/
						Understanding the
						purpose of products
						(toys), including what
						is meant by 'fit for
						purpose' and 'form
						over function'
		CC	OKING AND NUTRITION	ON		
	Designing smoothie	Designing a healthy	Creating a healthy		Adapting a traditional	Writing a recipe,
	carton packaging by-	wrap based on a food	and nutritious recipe		recipe,	explaining the key
	hand or on ICT	combination which	for a savoury tart		understanding that	steps, method and
		l			the nutritional value	ingredients
	software	work well together	using seasonal		the natificional value	mgreateries
	software	work well together	ingredients,		of a recipe alters if	_
	software	work well together	ingredients, considering the taste,		of a recipe alters if you remove,	Including facts and
	software	work well together	ingredients, considering the taste, texture, smell and		of a recipe alters if you remove, substitute or add	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove,	Including facts and
	software	work well together	ingredients, considering the taste, texture, smell and		of a recipe alters if you remove, substitute or add additional ingredients	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients Writing an amended	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients Writing an amended method for a recipe	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients  Writing an amended method for a recipe to incorporate the	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients  Writing an amended method for a recipe to incorporate the relevant changes to	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients  Writing an amended method for a recipe to incorporate the	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients  Writing an amended method for a recipe to incorporate the relevant changes to ingredients	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients  Writing an amended method for a recipe to incorporate the relevant changes to ingredients  Designing appealing	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients  Writing an amended method for a recipe to incorporate the relevant changes to ingredients  Designing appealing packaging to reflect a	Including facts and drawings from
	software	work well together	ingredients, considering the taste, texture, smell and appearance of the		of a recipe alters if you remove, substitute or add additional ingredients  Writing an amended method for a recipe to incorporate the relevant changes to ingredients  Designing appealing	Including facts and drawings from

		Using a template to create a design for a puppet			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
			DIG	GITAL WORLD (KS2 ON			
					Problem solving by suggesting potential		
					features on a Micro:		
					bit and justifying my		
					ideas		
					Developing design		
					ideas for a		
					technology pouch		
					Drawing and		
					manipulating 2D		
					shapes, using		
					computer-aided design, to produce a		
					point of sale		
					badge		
	EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
MAKE				STRUCTURES			
	Explore, use and	Making stable	Making a structure	Creating a range of		Making a range of	
	refine a variety of	structures from card,	according to design	different shaped		different shaped	
	artistic effects to express their ideas	tape and glue	criteria	frame structures		beam bridges Using triangles to	
	and feelings.	Following	Creating joints and	Making a variety of		create truss bridges	
	and reemigo.	instructions to cut	structures from	free standing frame		that span a given	
	Return to and build	and assemble the	paper/card and tape	structures of		distance and	
	on their previous	supporting structure		different shapes and		supports a load	
	learning, refining	of a windmill		sizes		D 11 12	
	ideas and developing their ability to	Making functioning		Selecting		Building a wooden bridge structure	
	Life if ability to	iviaking functioning		Selectilig		bridge structure	

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	represent them.	turbines and axles		appropriate		Independently	
		which are assembled		materials to build a		measuring and	
	Progress towards a	into a main		strong structure and		marking wood	
	more fluent style of	supporting structure		for the cladding		accurately	
	moving, with						
	developing control			Reinforcing corners		Selecting	
	and grace.			to strengthen a		appropriate tools	
	_			structure		and equipment for	
	Develop their small					particular tasks	
	motor skills so that			Creating a design in			
	they can use a range			accordance with a		Using the correct	
	of tools competently,			plan		techniques to saws	
	safely and			P		safely	
	confidently.			Learning to create			
	33			different textural		Identifying where a	
	Use their core			effects with		structure needs	
	muscle strength to			materials		reinforcement and	
	achieve a good			materials		using card corners	
	posture when sitting					for support	
	at a table or sitting					Tot support	
	on the floor.					Explaining why	
	on the noor.					selecting	
	Create					appropriating	
	collaboratively,					materials is an	
	sharing ideas,					important part of the	
	resources and skills.					design process	
	51.0					Un denste a din e le cei e	
	ELG					Understanding basic	
	Use a range of small					wood	
	tools, including						
	scissors,						
	paintbrushes and						
	cutlery.						
					C) (CTE) 40		
		Γ		ISMS / MECHANICAL	SYSTEIVIS	Following a design	
			Making linkages using card for levers and	Measuring, marking,		Following a design	
				cutting and		brief to make a pop-	
			split pins for pivots	assembling with		up book, neatly and	
				increasing accuracy		with focus on	
			Experimenting with			accuracy	
			linkages adjusting the				

	widths, lengths and thicknesses of card used Cutting and	Making a model based on a chosen design		Making mechanisms and/or structures using sliders, pivots and folds to produce movement	
	assembling components neatly			Using layers and spacers to hide the	
				workings of	
				mechanical parts for	
				an aesthetically	
				pleasing result	
	ELECT	IRICAL SYSTEMS (KS2	-		
			Making a torch with a		Constructing a stable
			working electrical circuit and switch		base for a game
					Accurately cutting,
			Using appropriate		folding and
			equipment to cut and attach materials		assembling a net
					Decorating the base
			Assembling a torch		of the game to a high
			according to the		quality finish
			design and success		NA-Line and testines
			criteria		Making and testing a
					circuit Incorporating a circuit into a base
	CC	OOKING AND NUTRITION	ON		a circuit into a base
Chopping fruit and	Slicing food safely	Knowing how to		Cutting and preparing	Following a recipe,
vegetables safely to	using the bridge or	prepare themselves		vegetables safely	including using the
make a smoothie	claw grip	and a work space to		,	correct quantities of
		cook safely in,		Using equipment	each ingredient
Identifying if a food is	Constructing a wrap	learning the basic		safely, including	
a fruit or a vegetable	that meets a design	rules to avoid food		knives, hot pans and	Adapting a recipe
	brief	contamination		hobs	based on research
Learning where and how fruits and		Following the		Knowing how to	Working to a given
vegetables grow		Following the instructions within a		Knowing how to avoid cross-	Working to a given timescale
vegetables grow		recipe		contamination	
					Working safely and
				Following a step by	hygienically with
			<u> </u>	step method	independence

TEXTILES    Cutting fabric neatly with scissors   Dispersion of the paper template with accuracy and in keeping with the design criteria and cutting fabric and cutting fabric using a paper template with accuracy and in keeping with the design criteria and cutting fabric using a paper template with accuracy and in keeping with the design criteria and cutting fabric using a paper (Creating store template scurredly and cutting fabric using a paper template scurredly and cutting fabric using a paper template scurredly and cutting fabric style to join fabric, working neatly seeing small neat stitches when fabric stitches fabric decors fabric decors are part of the paper of the		carefully to	make a
Cutting fabric neatly with scissors  Using joining methods to decorate a pupper to a pupper template with accuracy and in keeping with the design criteria and cutting fabric construction  Sequencing steps for construction  Sequencing steps for construction  DIGITAL WORLD (KS2 ONLY)  DIGITAL WORLD (KS2 ONLY)  DIGITAL WORLD (KS2 ONLY)  DIGITAL WORLD (KS2 ONLY)  DIGITAL WORLD (KS3 ONLY)  DIGITAL WORLD (KS4 ONLY)  DIGITAL WORLD (KS5 O			
with scissors  Using joining methods to decorate a pupper to a pup			
Using joining methods to decorate a puppet    Bequencing steps for construction    Bequencing steps for construction    Begun and cutting fabric using a paper template    Selecting a stitch style to join fabric, working meatly sewing small neat stitches when justice fabric decorate stitches when justice fabric decorate stitches when justice fabric decorate fabric decorate stitches with the style to join fabric, working meatly sewing small neat stitches the fabric decorate stitches fabric decorate fabric d	Cutting fabric neatly	Making and testing a	Creating a 3D stu
Using joining methods to decorate a puppet Sequencing steps for construction Sequencing steps for construction Sequencing steps for and cutting fabric using a paper template setting a stitch style to join fabric, working nearly sewing small neat stitches when incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch feeling and assembling the pouch feeling and assembling the pouch said quipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using features su	with scissors	paper template with	toy from a 2D des
methods to decorate a puppet  Sequencing steps for construction  Sequencing steps for construction  Selecting a stitch style to join fabric, working nearly sewing small neat stitches when a stitches style to join fabric, working nearly sewing small neat stitches  Incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  Using a template  When cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		accuracy and in	
Applying functional features such as using fame to the property of the propert	Using joining	keeping with the	Measuring, mark
Sequencing steps for construction  Measuring, marking and cutting fabric using a paper template  Selecting a stitch style to join fabric, working neathy sewing small neat stitches when; large fabric decoral fabric decoral fabric style to join fabric, working neathy sewing small neat stitches style to goin fabric, working neathy sewing small neat stitches  Incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create	methods to decorate	design criteria	and cutting fab
Sequencing steps for construction  and cutting fabric using a paper template  Selecting a stitch style to join fabric, working neatily sewing small neat stitches  Incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create	a puppet		accurately an
construction  using a paper template secure blan Selecting a stitch style to join fabric, working neatly sewing small neat stitches Incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		Measuring, marking	independentl
template secure blan stitches when j fabric yorking neatrly sewing small neat stitches with j sewing small neat stitches sharping fastening to a design state of pabric decoral lincorporating fastening to a design sewing small neat stitches lincorporating fastening to a design sewing small neat stitches lincorporating fastening to a design sewing and assembling the pouch sewing a list of design requirements selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch shaping in the paper of the	Sequencing steps for	and cutting fabric	
Selecting a stitch style to join fabric, working neatly sewing small neat stitches s	construction	using a paper	Creating strong
Selecting a stitch style to join fabric, working neatily sewing small neat stitches fabric decoral stitches fabric decoral stitches fabric decoral stitches fabric decoral fastening to a design fastening to a design fastening to a design fastening to a design design requirements when cutting and assembling the pouch following a list of design requirements selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch features such as using foam to create		template	secure blanke
style to join fabric, working neatly sewing small neat stitches stitches stitches Incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create			stitches when jo
working neatly sewing small neat stitches stitch		Selecting a stitch	fabric
sewing small neat stitches  Incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		style to join fabric,	
Stitches  Incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		working neatly	Using applique
Incorporating fastening to a design  DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		sewing small neat	attach pieces
DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		stitches	fabric decorati
DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		Incorporating	
DIGITAL WORLD (KS2 ONLY)  Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		· · · · · -	
Using a template when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create			
when cutting and assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create			
assembling the pouch  Following a list of design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create			
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design requirements  Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		Fallerwing a list of	
Selecting and using the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create			
the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		design requirements	
the appropriate tools and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create		Selecting and using	
and equipment for cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create			
cutting, joining, shaping and decorating a foam pouch  Applying functional features such as using foam to create			
shaping and decorating a foam pouch  Applying functional features such as using foam to create			
decorating a foam pouch  Applying functional features such as using foam to create			
Applying functional features such as using foam to create			
features such as using foam to create		pouch	
features such as using foam to create		Applying functional	
using foam to create			
		soft buttons	

	EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
EVALUATE				STRUCTURES			
EVALUATE	ELG Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used.	Evaluating a windmill according to the design criteria, testing whether the structure is strong and stable and altering it if it isn't  Suggest points for improvements	Exploring the features of structures  Comparing the stability of different shapes  Testing the strength of own structures  Identifying the weakest part of a structure	Evaluating structures made by the class  Describing what characteristics of a design and construction made it the most effective  Considering effective and ineffective designs		Adapting and improving own bridge structure by identifying points of weakness and reinforcing them as necessary  Suggesting points for improvements for own bridges and those designed by others	
			Evaluating the strength, stiffness and stability of own structure				
			MECHANISMS / MECHANICAL SYSTEMS				
			Evaluating own designs against design criteria  Using peer feedback to modify a final design	Evaluating the speed of a final product based on: the effect of shape on speed and the accuracy of workmanship on performance		Evaluating the work of others and receiving feedback on own work  Suggesting points for improvement	
			ELECT	IRICAL SYSTEMS (KS2	ONLY)		
					Evaluating electrical products  Testing and evaluating the success of a final product and taking inspiration from the work of peers		Testing own and others finished games, identifying what went well and making suggestions for improvement  Gathering images and information about existing children's toys

-						Analysing a selection of existing children's toys
		CC	OKING AND NUTRITION	ON		
	Tasting and evaluating different	Describing the taste, texture and smell of	Establishing and using design criteria		Identifying the nutritional	Evaluating a recipe, considering: taste,
	food combinations	fruit and vegetables	to help test and		differences between	smell, texture and
	1000 combinations	Trait and vegetables	review dishes		different products	origin of the food
	Describing	Taste testing food	review distres		and recipes	group
	appearance, smell	combinations and	Describing the		aa co.pcs	B. 2 a.b
	and taste	final products	benefits of seasonal		Identifying and	Taste testing and
	4.14 (45)	····a· p···auacc	fruits and vegetables		describing healthy	scoring final products
	Suggesting	Describing the	and the impact on		benefits of food	Scoring iniai products
	information to be	information that	the environment		groups	Suggesting and
	included on	should be included			8	writing up points of
	packaging	on a label	Suggesting points for			improvements in
	10		improvement when			productions
		Evaluating which grip	making a seasonal			,
		was most effective	tart			Evaluating health and
						safety in production
						to minimise cross
			TEXTILES			
	Reflecting on a			Testing and		Testing and
	finished product,			evaluating an end		evaluating an end
	explaining likes and			product against the		product and giving
	dislikes			original design		point for further
				criteria		improvements
				Deciding how many		
				of the criteria should		
				be met for the		
				product to be		
				considered successful		
				Suggesting		
				modifications for		
				improvement		
1		DIO	I GITAL WORLD (KS2 ON			
-		Dic	STIAL WORLD (N32 ON	Analysing and		
				evaluating an existing		
				product		
				product		

					Identifying the key		
					features of a pouch		
	EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
TECHNICAL	2.1.0	12/11/2	12/11/2	STRUCTURES	12/11/4	12/11/3	1271110
KNOWLEDGE		Describing the	Identifying natural	To understand what		Exploring how to	
		purpose of	and man-made	a frame structure is		create a strong beam	
		structures, including	structures			Identifying arch and	
		windmills	Identifying when a	To know that a 'free-		beam bridges and	
			structure is more or	standing' structure is		understanding the	
		Learning how to turn	less stable than	one which can stand		terms: compression	
		2D nets into 3D	another	on its own		and tension	
		structures					
			Knowing that shapes	To know that a		Identifying stronger	
		Learning that the	and structures with	pavilions ia a		and weaker	
		shape of materials	wide, flat bases or	decorative building		structures	
		can be changed to	legs are the most	or structure for			
		improve the strength	stable	leisure activities		Finding different	
		and stiffness of				ways to reinforce	
		structures	Understanding that	To know that		structures	
			the shape of a	cladding can be			
		Understanding that	structure affects its	applied to structures		Understanding how	
		cylinders are a	strength	for different effects.		triangles can be used	
		strong type of				to reinforce bridges	
		structure that are	Using the	To know that			
		often used for	vocabulary: strength,	aesthetics are how a		Articulating the	
		windmills and	stiffness and stability	product looks		difference between	
		lighthouses				beam, arch, truss	
			Knowing that	To know that a		and suspension	
		Understanding that	materials can be	product's function		bridges	
		windmill turbines	manipulated to	means its purpose			
		use wind to turn and	improve strength				
		make the machines	and stiffness	To understand that			
		inside work	D 1111	the target audience			
		Line de materia di la catala di	Building a strong and				
		Understanding that	stiff structure by	group of people a			
		axles are used in	folding paper	product is			
		structures and		designed for			
		mechanisms to make		To know that			
		parts turn in a circle		To know that			
				architects consider			

	Developing		light, shadow and			
	awareness of		patterns when			
	different structures		designing			
	for different		uesigning			
	purposes					
	purposes	MECHAN	IISMS / MECHANICAL :	CVCTFMC		
		To know that	To understand that		Knowing that an	
		mechanisms are a	all moving things		input is the motion	
		collection	have kinetic energy		used to start a	
		of moving parts that	nave kinetic energy		mechanism	
		work together as a	To understand that		mechanism	
		machine to produce	kinetic energy is the		Knowing that output	
		movement	energy that		is the motion that	
		movement	something		happens as a result of	
		To know that there is	(object/person) has		starting the input	
		always an input and	by being		starting the input	
		output in a	in motion		Knowing that	
		mechanism	iii iiiotioii		mechanisms control	
			To know that air		movement	
		To know that an	resistance is the level			
		input is the energy	of drag on an object		Describing	
		that is	as it is forced through		mechanisms that can	
		used to start	the air		be used to change	
		something working			one kind of motion	
		5 5	To understand that		into another	
		To know that an	the shape of a			
		output is the	moving object will			
		movement	affect how it moves			
		that happens as a	due to air resistance.			
		result of the input				
			To understand that			
		To know that a lever	products change and			
		is something that	evolve over time			
		turns on a pivot				
			To know that			
		To know that a	aesthetics means			
		linkage mechanism is	how an object or			
		made	product looks in			
		up of a series of	design and			
		levers	technology			

	To know some real-	To know that a		
	life objects that	template is a stencil		
	contain	you can use to help		
	mechanisms	you draw the same		
	Incenanisms	shape accurately		
		Shape accurately		
		To know that a birds-		
		eye view means a		
		view from a high		
		angle (as if a bird in		
		flight)		
		iligiit)		
		To know that		
		graphics are images		
		which are designed		
		to explain or		
		advertise something		
		To know that it is		
		important to assess		
		and evaluate design		
		ideas and models		
		against a list of		
		design criteria.		
'	ELECT	TRICAL SYSTEMS (KS2	ONLY)	
			Learning how	Learning that
			electrical items work	batteries contain
				acid, which can be
			Identifying electrical	dangerous if they
			products	leak
			Learning what	Identifying and
			electrical conductors	naming the circuit
			and insulators are	components in a
				steady hand game
			Understanding that a	
			products	
			battery contains stored electricity and can be used to power	
			products	

	1		Ι			1
				Identifying the features of a torch		
				Understanding how a		
				torch works		
				Articulating the		
				positives and		
				negatives about		
				different torches		
		CC	OOKING AND NUTRITION			
	Understanding the	Understanding what	To know that not all		Understanding where	Learning how to
	difference between	makes a balanced	fruits and vegetables		food comes from -	research a recipe by
	fruits and vegetables	diet	can be grown in the		learning that beef is	ingredient
			UK		from cattle and how	0
	Describing and	Knowing where to			beef is reared and	Recording the
	grouping fruits by	find the nutritional	To know that climate		processed	relevant ingredients
	texture and taste	information on	affects food growth		•	and equipment
		packaging			Understanding what	needed for a recipe
		, ,	To know that		constitutes a	
		Knowing the five	vegetables and fruit		balanced diet	Understanding the
		food groups	grow in certain			combinations of food
		0 1	seasons		Learning to adapt a	that will complement
					recipe to make it	one another
			To know that		healthier	
			cooking instructions		Comparing two	Understanding where
			are known as a		adapted recipes using	food comes from,
			'recipe'		a nutritional	describing the
					calculator and then	process of 'Farm to
			To know that		identifying the	Fork' for a given
			imported food is food		healthier option	ingredient
			which has been			
			brought into the			
			country			
			To know that			
			exported food is food			
			which has been sent			
			to another country.			
			to another country.			
	1					

		To understand that		
		imported foods travel		
		from far away and		
		this can negatively		
		impact the		
		environment		
		en in oriniene		
		To know that each		
		fruit and vegetable		
		gives us nutritional		
		benefits because		
		they contain		
		vitamins, minerals		
		and fibre		
		Ta condenses seletics		
		To understand that		
		vitamins, minerals		
		and fibre are		
		important for energy,		
		growth and		
		maintaining health		
		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		
			Testing and	Testing and
			evaluating an end	evaluating an end
			product against the	product and giving
			original design	point for further
			criteria	improvements
			Deciding how many	
			of the criteria should	
			be met for the	
			De mee for the	

	product to be					
	considered successful					
	Suggesting					
	modifications for					
	improvement					
DIGITAL WORLD (KS2 ONLY)						
	To understand that in					
	programming a 'loop'					
	is code that repeats					
	something again and					
	again					
	until stopped					
	To know that a					
	Micro:bit is a pocket-					
	sized, codeable					
	computer					
	Compacer					
	Writing a program to					
	control (button press)					
	and/or monitor					
	(sense light) that will					
	initiate a					
	flashing LED					
	algorithm					
	To know what the					
	'Digital Revolution' is					
	and features of some					
	of the products that					
	have					
	evolved as a result					
	evolved as a result					
	To know that in					
	Design and					
	technology the term					
	'smart' means a					
	programmed product					
	To know the					
	difference between					

			analogue and digital	
			technologies	
			•	
			To understand what	
			is meant by 'point of	
			sale display'	
			. ,	
			To know that CAD	
			stands for Computer-	
			aided design	