

ESW DT Curriculum

Overview of Progression

Area of DT: Mecha		V1	V2	V2	V4	V	VC
	EYFS	Year 1	Year 2	Year 3	Year 4		Year 6
Project	models and pictures which incorporate movement in teacher-led knowledge.	·	moving part <u>independently.</u> Pupils use Prior understanding of mechanisms.			understanding of how mechanisms create movement. Design and build complex mechanisms with	Develop a deeper understanding of how mechanisms create movement. Design and build complex mechanisms with
			Wheels & Axles			support.	connecting components to create movement independently Cams
Substantive Knowledge	I know how a hinge works	I discuss with others and start	I discuss with others and to	I understand and use	I understand and use	I can understand and use	I can understand and use
(Technical Knowledge)	_	to understand the simple working characteristics of materials and components;	<u> </u>	mechanical systems in their products (levers and linkages).	mechanical systems in their products (pneumatics).		mechanical systems in their products (cams).
	I know the properties of	,	,		I can explain how Pneumatics	I can explain how pulleys and	I can explain how cams
	some materials, and which might be suitable for a	I begin to explore and create products using slider	I explore and create products independently using wheel	I can begin to explain how levers and linkages create	create movement in mechanical systems.	mechanical systems and use	create movement in mechanical systems and use
	certain job.	mechanisms.	and axles mechanisms	movement in mechanical systems.	I can discuss that pneumatic	•	mechanical systems in their products.
			I know that for a wheel to move as part of a mechanism it must be attached to an	mechanism is a lever or	systems force air over a distance to create movement.		I know that output is the motion that happens because
			axle.	linkage and determine what movement it will make.	I can use mechanical systems in their product	mechanism. I know that output is the	of starting an input I can describe mechanisms
				I know that a linkage is a system of levers that are connected by pivots.	independently.	motion that happens because of starting the input.	
				I can begin to use mechanical systems in their product with support.			
Disciplinary Knowledge	I can represent my own	<u>Design</u>	<u>Design</u>	<u>Design</u>	<u>Design</u>	<u>Design</u>	<u>Design</u>
(DT Skills)		I can begin to use existing knowledge of products to	I can use my knowledge of existing products and my	I can begin to identify design features that will appeal to	that will appeal to intended	I can begin to use research to inform and develop detailed	I can use research to inform and develop detailed design
			own experience to help	intended users.	users.	design criteria to inform the	criteria to inform the design
			generate my ideas.			design of innovative,	of innovative, functional, and
	The state of the s	I can start to design products that have a purpose and are	I design products that have a	I can start to use knowledge	I can use knowledge of a	functional, and appealing products that are fit for	appealing products that are
	the state of the s	aimed at an intended user.	purpose and are aimed at an	0 0	broad ranges to generate ideas and design innovative	purpose and aimed at a	fit for purpose and aimed at a target market.
		and at an interface aser.	intended user.	products with support.	products with support.	target market.	ta. Bet marketi
	I can safely use and explore a	· · ·					I can use my knowledge of a
	variety of materials, tools and	will look and work.	I can explain how my	I can begin to work in a	I can work in a broader range		broad range of existing
	techniques, experimenting		products will look and work		of contexts e.g.,		products to help generate
				e.g., entertainment, home,	entertainment, home, school,		ideas.

with adams design to the	a langfallanna simula dasian	Abasasah talliisa and sissala	habaal laisuus and Maruidan	lataria and the critical	of aniation and death to be la	
with colour, design, textur	-	through talking and simple	school, leisure and the wider		of existing products to help	
form and function.	criteria with support.	annotated drawings.	environment.	environment.	generate their ideas.	I can design products that
I can use what has been	I can work within a relevant	I understand and follow	I can avalain have name of a	I can avalain have different	I con decion muchicate that	have a clear purpose and
I can use what has been learnt about media and			I can explain how parts of a	I can explain how different	I can design products that	indicate the design features
materials in original ways,	context.	simple design criteria.	product work.	components of a product work.	have a clear purpose and indicate the design features	of products that will appeal to the intended user.
		Maka	I can begin to use annotated		of their products that will	to the intended user.
thinking about uses and	Make	Make	sketches to develop ideas		appeal to the intended user.	I can avalain have particular
purposes.	With support, I can follow a	I can follow a simple plan.	•			I can explain how particular components of my products
Early Learning Goals	simple plan.	I can select from a range of	and a simple design criteria.	to develop ideas and a simple design criteria.		work.
Early Learning Goals	I am beginning to select fron	· ·	I can explore different initial		parts of their products	WOLK.
Expressive Arts and Desig	0 0	iliana toois and equipment.	ideas before identifying a	I can explore different initial	work.	I can use annotated sketches
(Exploring and Using Med		I can select from a range of	final design.	ideas before identifying a	work.	cross-sectional drawings and
and Materials)	ia equipment.	materials and components	ililai desigii.	final design.	With growing confidence, I	exploded diagrams (possibly
Children safely use and	I can select from a range of	according to their	I can start to test ideas	illiai desigii.		including computer-aided
explore a variety of mater	_	characteristics.	through prototypes.	I can test ideas through	cross-sectional drawings and	
tools and techniques,	according to their	characteristics.	tillough prototypes.	prototypes.	exploded diagrams (possibly	
experimenting with colour	•	I can cut, shape and score	Make		including computer-aided	communicate ideas.
design, texture, form and	, characteristics.	materials with some	iviake		design) to develop and	I can independently,
function.	I am beginning to cut, shape		I can select from a range of	I can carefully select from a		generate a range of design
junction.	and score materials with	accuracy.	tools and equipment and	range of tools and	communicate their ideas.	ideas and clearly
Expressive Arts and Desig		I can assemble, join and	explain my choices.	equipment, explaining their	I can, within a group,	communicate final designs.
(Being Imaginative)	ii some accuracy.	combine components.	explain my endices.	choices.	generate a range of design	communicate mar designs.
Children use what they ha	ve I am starting to assemble,	components.	I can begin to select from a		ideas and clearly	I can consider the availability
learnt about media and	join and combine	I can demonstrate how to	range of components and			and costings of resources
materials in original ways	Γ .		materials according to their	materials and components	communicate mar designs:	when planning out designs.
thinking about uses and	Journal of the state of the sta	to make a simple product.	functional properties and	according to their functional	I can consider the availability	' ' '
purposes. They represent	I can demonstrate how to	to make a simple product.	aesthetic qualities.		and costings of resources	Make
	and cut, shape and join materials	I can use simple finishing	destricted quartiess	IF -	when planning out designs.	<u>iviane</u>
feelings through design ar		techniques to improve the	I can begin to place the main	1	The state of the s	I can confidently select from
technology, art, music, da			stages of making in a	I order the main stages of	Make	a range of materials and
role play and stories	I am beginning to use simple		systematic order.	making in a systematic	I can more independently,	components according to
	finishing techniques to	decorations.	'	order.		their functional properties
Physical Development	improve the appearance of		Evaluate		do next.	and aesthetic qualities and
(Moving and Handling)	their product, such as adding	5		I can use a range of tools and		explain why I have chosen
Children handle equipmen		Evaluate	I am beginning to explore	equipment safely,	I can confidently select from	them.
and tools effectively,		I can explore and evaluate	and evaluate existing		a range of materials and	
including pencils for writing	g. <u>Evaluate</u>	existing products mainly	products, explaining the		components according to	I can independently discuss
	I can begin to explore and	through discussions,	purpose of the product and	I can use a wider range of	their functional properties	and create step-by-step plan
	evaluate existing products	comparisons, and simple	whether it is designed well	materials and components,	and aesthetic qualities.	as a guide to making.
	mainly through discussions,	written evaluations.	to meet the intended	including construction		
	comparisons, and simple		purpose.	materials, kits and	I can discuss and create step-	I can independently take
	written evaluations.	I can explore what materials	I explore what materials	mechanical components.	by-step plans as a guide to	exact measurements and
		products are made from.	products are made from and		making.	mark out, to within 1
	I can explore what materials		suggest reasons for this.	With growing independence,		millimetre.
	products are made from.	I can create design ideas and	I consider my design criteria	I can measure and mark out	I can start to independently	
		9	as I make my product and I	to the nearest cm and	take exact measurements	I can use a full range of
	I can create design ideas and		am willing to alter my plans,	millimetre.	and mark out, to within 1	materials and components,
	what I am making with	I can identify strengths and	sometimes considering the		millimetre.	including construction
	support.	possible changes I might	views of others if this helps	I can cut, shape and score		materials and kits, textiles,
		make to refine my existing	me to improve their	materials with some degree	I can use a full range of	and mechanical
	I can start to identify	design.	product.	of accuracy.	materials and components,	components.
	strengths and possible				including construction	

	 		L	l		I
	I can evaluate my product and ideas against simple design criteria. I can start to understand that	I can start to understand that the iterative process sometimes involves repeating different stages of the process.	With support, I evaluate my product against my original design criteria. I can evaluate how and why products have changed over the years.	Evaluate I can continue to explore and evaluate existing products, explaining the purpose of the product and whether it is designed well to meet the intended purpose. I can explore what materials	range of materials with precision and accuracy. I can shape and score materials with precision and accuracy. Evaluate I can, with support, complete a detailed competitor analysis of other products on the market. I can begin to critically evaluate the quality of design, manufacture and fitness for purpose of products as they design and make. I can start to evaluate their ideas and products against	quality of design,
New Vocabulary	bridge/guide card, masking, tape, paper, fastener, join, pull, push, up, down, straight, curve, forwards, backwards, design, make, evaluate, user, purpose, ideas, design criteria, product, function	assembling, cutting, joining, shaping, finishing, fixed, free, moving, mechanism, names of tools, equipment	mechanism, lever, linkage, pivot, slot, bridge, guide system, input, process, output linear, rotary, oscillating, reciprocating user, purpose, function prototype, design criteria, innovative, appealing, design brief	components, fixing, attaching, tubing, syringe, plunger, split pin, paper fastener pneumatic system, input movement, process, output movement, control, compression, pressure, inflate, deflate, pump, seal, air-tight linear, rotary, oscillating, reciprocating user, purpose, function, prototype, design criteria, innovative, appealing, design brief, research, evaluate, ideas, constraints, investigate	design specification, design brief	follower, axle, shaft, crank, handle, housing, framework rotation, rotary motion, oscillating motion, reciprocating motion,

Area of DT: Structo	Area of DT: Structures										
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
					design						
Project/Unit Title		I can design play structures - Playground	I can evaluate structures - Chair	I can make a structure – Castle	– Bird hide	I can evaluate structures which are strong and stable - Bridges	I can make play structures – Playground and landscapes				
Design Brief		play structures for Lego characters	Make a chair for baby bear! To evaluate the strength of different structures/ chairs.	Create a castle for	Design and make prototypes of a range of freestanding shell structures of different shapes and sizes. Then make, in groups a bird hide.	supporting weight due to its design.	Make a range of playground structure prototypes and consider the wider landscape that they are used in.				
Substantive	Explore junk	To understand	To know that	To understand	To understand	•To understand some	To know that				
Knowledge (Technical Knowledge)	modelling – Learn about the names and use of various craft tools and	•	structures with	why wide and flat based objects are more stable.	what a frame structure is. To know that a	•	structures can be strengthened by manipulating materials and				
How things work	materials. Cutting and scissor skills. Practise and develop scissor (and fine motor)	strength and stiffness of structures.	stable. • To understand that the shape of a structure affects	strength and	'free-standing' structure is one which can stand on its own. • To understand the importance of triangles when creating strong and stable frames	_	Shapes.				

[a t a a t a a d	. To books to	ina mana star a star			
is to cut and shape	_	improve strength		important based on	
		and stiffness.		properties.	
	different	• To know that a		 To understand the 	
	structures are used	structure is		material (functional	
	ltor different	something which		and aesthetic)	
Choosing		has been formed		properties of wood.	
resources –	,	or made from			
_	• To know that a	parts.			
	structure is				
	something that has				
ŗ	been made and	'stable' structure is			
area.		one which is firmly			
		fixed and unlikely			
		to change			
Making models –		or move.			
Develop their own					
unique junk model		To know that a			
plan, which		'strong' structure			
including tools,		is one which does			
materials and		not break easily.			
components they		• To know that a			
will need to make		'stiff' structure or			
it possible.		material is one			
		which does not			
		bend easily.			
Evaluation and		,			
presentation –					
Evaluate finished					
models and					
present their					
model to the rest					
of the class.					

	ge of joins lue, paper					
Disciplinary Knowledge (DT Skills) Making things work	• Learning the importance of a clear design criteria. • Including individual preferences and requirements in a design. (Children's ownership of design). Make • Making stable structures from card, paper, paper straws, tape and glue, wood (lolly sticks). • Following instructions to cut and assemble — cylinders,	in the natural world and in everyday objects. Make Making a structure according to design criteria. Creating joints and structures	 Designing a structure 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. Make Constructing a range of 3D geometric shapes using nets. Creating special 	that is aesthetically pleasing (camouflage) and selecting materials to create a desired effect. • Building frame structures designed to support weight of camouflage material. • Using CAD software. — available software?? To design different protypes.	 Designing a stable structure that is able to support weight. Creating a frame structure with a focus on triangulation. Make Making a range of different shaped beam bridges. Using triangles to create truss bridges that span a given distance and support a load. Building a wooden bridge structure. Independently measuring and marking wood accurately. 	structures, giving careful consideration to how the structures will be used, considering effective and ineffective designs. Make • Building a range of play apparatus structures drawing upon new and prior knowledge of structures. • Measuring,
	triangulation	cleaners and tape.	individual designs.			marking and cutting wood to

(paper straws /	Building a strong	Making facades	Make	 Selecting appropriate 	create a range of
lolly sticks).	and stiff structure	from a range of	• Creating a range	• •	structures.
	by folding paper,	recycled	of different shaped	for particular tasks.	 Using a range of
	using materials available.	imateriais.	•		materials to
Evaluate	available.		prototypes.	techniques to saws	reinforce and add
• Evaluating play		Evaluate	 Making a variety 	•	decoration to
structures				 Identifying where a 	structures.
according to the		 Evaluating own 	frame structures of	, ,	
design criteria,		work and the work of others based on	different shapes	reinforcement and	Evaluate
testing whether the	Evaluate	the aesthetic of	and sizes <i>-</i>	using card corners	Evaluate
the	• Exploring the	the	prototype.	ITOT SUDDOTT.	 Improving a
structure is strong	features of		Selecting		design plan based
and stable and	structures.	finished product	annropriate	, , ,	on peer
altering it if it isn't.		and in comparison, to the original	materials to bullo	selecting appropriating materials is an	evaluation.
15f1 t.	Comparing the	design.	a strong structure	important part of the	 Testing and
Suggest points	stability of different shapes.		and <u>cladding</u> .		adapting a design
for improvements	•	Suggesting	Reinforcing	• .	to improve it as it
	• Testing the	points for	corners to	Understanding basic	is developed.
	strength of own	modification of the individual designs.	strengthen a	wood functional	 Identifying what
	structures.			properties.	makes a successful
	Identifying the		triangles.		structure.
	weakest part of a		 Creating a design 		
	structure.		in accordance with	Evaluate	
	• Evaluating the		a plan.	Adapting and	
	strength, stiffness			improving own bridge	
	and stability of		create different	structure by identifying	
	own structure.			points of	
			with materials.	weakness and	
	T . (reinforcing them as	
	To focus on the			necessary.	
	iterative process of design (small		Evaluate		
	or design (small				

		steps of make- evaluate feedback)		• Evaluating structures made by the class.	 Suggesting points for improvements for own bridges and those designed by 	
				 Describing what characteristics of a design and construction made it the most Considering effective and ineffective designs. 	others.	
New Vocabulary Additional knowledge	· ·	are those found in nature. • To know that man-made structures are those made by people.	towers, battlements, turrets, curtain walls, moat, drawbridge and gatehouse - and their purpose. • To know that a façade is the front of a structure. • To understand	 To know that a pavilion is a a decorative building or structure for leisure activities. To know that cladding can be applied to structures for different effects. To know that 	arch, beam, truss and suspension bridges. To understand how to carry and use a saw safely. Vocabulary beam bridge arch bridge truss bridge strength technique corrugation lamination stiffness	 To understand what a 'footprint plan' is. 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. Vocabulary apparatus

		enemy attack. • To know that a paper net is a flat 2D shape that can become a 3D shape once assembled. • To know that a design specification is a list of success criteria for a product.	 To understand that the target audience means the person or group of people a product is designed for. To know that architects consider light, shadow and patterns when designing. Vocabulary Cladding, innovative, reinforce, structure 	visual appeal aesthetics joints mark out hardwood softwood wood file/rasp sandpaper/glasspaper	design criteria equipment playground landscape features cladding
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	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Project Unit / Title	Teddy Bears Picnic blanket – make a square for a collaborative	EVALUATE focus Fabric Faces	MAKE focus Hand Puppets - Felt	DESIGN focus Pencil case	EVALUATE focus Bag	MAKE focus Stuffed Toy	DESIGN focus Cushion – dye fabric, sew and embellish
Substantive Knowledge (Technical Knowledge)	I know how to use scissors safely. I can talk about different fabrics and describe them. I understand what tape, glue and staples are used for,	I can cut simple shapes using scissors. I can name different fabrics. I know what a template is and how it is used. I know different ways of attaching and icining	I know how to use scissors accurately and safely. I know how to use needles safely. I can describe how a puppet is made. I know what running stitch is and why it is used	I know how to use scissors and needles safely and accurately. I understand the use of over stitch for a product and why it is used.	I know what fabrics are suitable for a bag and explain why. I understand the use of blanket stitch for a product and why it is used.	I know how soft toys are made. I understand what a pattern is and how it is used. I understand why and how we tack pieces of fabric together.	I know how to tie dye fabric. I understand the use of back stitch for a product and when it needs to be used. I understand why we need to leave a seam allowance.
Disciplinary Knowledge (DT Skills)	I can represent own ideas, thoughts and feelings through design and technology I can begin to use scissors, glue, tape and staples to join and cut fabric. I can decorate fabrics with buttons, beads, sequins, ribbons Use appropriate decoration techniques.	and joining. Design I understand what the research product is and its user. I understand how a product works and how it is used. I can explain the product I will be designing and making, I can represent my ideas through drawing and talking. Make I can use scissors with increasing	Design I can Identify where you might find this research product I can Identify the materials used to make the product. I can explain why this product is suitable for the intended user I can represent ideas through talking, drawing and computing – (where appropriate) I can choose materials to use	Design I can identify who made the research product, when it was made and what its purpose is I can evaluate the research product on design and use. I can describe what my product will be used for and how it will work. I can Identify design features that will appeal to its intended users Make	Design I can explain how parts of the research products work. I can develop my own design criteria and use for planning ideas Generate realistic ideas that meet needs of user and consider availability of resources I can order the main stages of making I can Represent ideas in diagrams, annotated sketches and computer-based	Design I can Identify what the research product has been made from and how environmentally friendly the materials are I can evaluate the research product on design, appearance and use. I can develop my own design criteria and use for planning ideas I can generate innovative ideas that meet needs of user and consider	Design I can evaluate the research product on design, appearance and use. I can identify the cost to make the product and whether it has any other purposes I can create a design description for my product I can highlight the impact of time, resources and cost within my design ideas. Make

accuracy to cut a	based on suitability	I can use scissors,	programmes (where	availability of	I can measure and
range of fabrics.	of their properties	pins, needles safely	appropriate)	resources.	mark out accurately,
		and accurately.			making
With support, I can	Make	,	I can create pattern	I can record a step-	modifications as they
draw around a	I can use scissors	I can measure, mark	pieces and	by-step plan for	go along
template,	accurately and safely.	out, and cut fabric for	prototypes.	making	
		case and front.			I can pin, sew and
I can assemble, join	I can use needles		Make	I can produce lists for	stitch fabrics
and combine fabrics	safely and with	I can choose and use	I can select and use	the tools, equipment	together to create a
and components	support.	appropriate stitch for	appropriate materials	and materials I will be	product.
together using glue,		joining pieces	and tools.	using	
staples and stich.	I can adapt a	together – running			I can create 3d
	template and cut	stich and over sewing	I can measure, mark	Make	products using
I can select	with some accuracy.	2	out, cut and shape a	I can measure and	pattern pieces and
appropriate items to		I can sew on buttons	range of fabrics with	mark out accurately.	seam allowance.
decorate fabrics. Eg	I can assemble and	for fastenings.	increasing accuracy.		
buttons, beads,	join fabrics to make a	Use appropriate		I can begin to use	I can pin and tack
sequins, ribbons	product.	decoration	I can join and	patterns to create 3d	fabric pieces
		techniques –	combine fabrics and	products.	together.
Evaluate	I can cut, shape and	applique / sewn on.	components with		
I can talk about my	join fabric to make a	appque / ee	increasing accuracy.	I can cut and join	I can join fabrics
design ideas and	simple puppet.	Evaluate		with accuracy to	using running stitch,
what I have made		I consider my design	I can join fabrics	ensure a good-quality	blanket stitch, over
	I can use basic	criteria as I make my	using running stitch,	finish to the product	sewing and back
I can make simple	running stitch.	product and I am	blanket stitch and		stitch.
judgements about		willing to alter my	over sewing.	I can pin and tack	
how the product I	Evaluate	plans, sometimes	Use appropriate	fabric pieces	I can use appropriate
have made met my	I can identify	considering the views	decoration	together.	decoration
design ideas	strengths and	of others if this helps	techniques.	Join fabrics using	techniques (often
	possible changes I	me to improve their		running stitch,	before joining
I can begin to explore	might make to refine	product.	I can colour fabric	blanket stitch, over	components)
and evaluate existing	my existing design	With support, I	using fabric paint	sewing with	
products mainly		evaluate my product		increasing accuracy.	I can colour fabrics
through discussions,	I can evaluate my	against my original	Evaluate		using tie dye
comparisons, and	products and ideas	design criteria.	I can evaluate my	I can use appropriate	techniques,
simple written	against simple design	I can evaluate how	product against my	decoration	
evaluations.	criteria.	and why products	original design	techniques (often	Evaluate
		have changed over	criteria.	before joining	I can use design
	I can start to	the years.	I can evaluate key	components)	criteria to evaluate
	understand that the		events, including		product – looking at
	iterative process		technological	Evaluate	the quality of my final
	sometimes involves		developments, and		product and whether
	comedimes involves		acvelopinents, and		p. badat and writerial

			repeating different stages of the process.		designs of individuals in design and technology that have helped shape the world.	I use design criteria to evaluate my product, identifying both strengths and areas for development. I consider the views of others, including the intended user, whilst evaluating my product.	it is fit for its intended purpose.
New Vocabulary	Fabric, join, cut, decorate, texture, Scissors Make Ideas	Template Assemble stitch evaluate, user, purpose, design criteria, product, function	Running stitch Needle Adapt names of tools, equipment and materials functional	Over stitch Applique Measure Pin prototype, design criteria, innovative, appealing, design brief	Blanket stitch Fabric paint research, evaluate, ideas, constraints, investigate	Pattern Tack Stuffing design decisions, functionality, innovation, authentic,	Tie dye Modification Seam allowance

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Project/Unit Title		To make a healthy breakfast dish.	To make a dish to share at a party.	To adapt a recipe and make bread.	· ·	To make a salad with a cooked element.	To cook a savoury all- in-one product.
Substantive Knowledge (Technical Knowledge) Healthy eating		I know we need more of some foods than others. I know that everyone should eat at least 5 portions of fruit and vegetables every day.	I recognise the Eatwell Guide as a model which shows me how to eat healthily. I can sort a selection of foods into the five Eatwell Guide food groups. I can put together a simple, balanced meal (and include a drink) by choosing foods from the Eatwell Guide. I know that different people leat or avoid certain foods for different reasons and I can give some of these reasons, e.g. allergy, intolerance, religious belief.	usually includes combinations of foods from the same the Eatwell Guide groups. I know that the word 'diet'	I understand that the different proportions of the Eatwell Guide reflect the proportions of foods which should be eaten from each group. I can identify and classify ingredients in composite dishes according to the Eatwell Guide food groups. I can use the Eatwell Guide model and messages to help	food provide different amounts of energy. I know that different amounts of food (portions) provide different amounts of energy. I know that it is important to be aware of portion size when choosing food and drinks. I know that different amounts of energy are needed by the	I understand that I need the nutrients - carbohydrate, protein, fat, vitamins and minerals - as well as fibre and water to be healthy. I know that energy is provide by the nutrients carbohydrate protein and fat. I know that most foods and drinks contain a main nutrient but they will also contain other nutrients in smaller amounts. I know that some foods provide fibre which is not digested but helps to keep the digestive system healthy. I know that the body needs water to stay alive and that this can be found in drinks and in foods. I know that the amount of energy and nutrients provide by food or drink depends on the amount (portion) eaten. I know the basic function of each nutrient (carbohydrate, protein, fat, vitamins and minerals). I can identify and interpret the nutrition panel on food packaging and use it to help me make food choices.
Ingredients	I know a range of familiar foods.	of I know a basic range of ingredients. Cheese Flour Bread Spread Eggs		I know an increasing range of ingredients. E.g. Onions Peppers Herbs - basil Tomato puree		I know that there are a vast range of ingredients used around the world and I can name some of these. E.g. Lemon grass Papaya Bean sprouts	

	-	-			
	Yogurt	Apricots	Lentils		
	Fruit - bananas, strawberries, peaches, blueberries	Courgettes	Gram flour		
	Salad - cucumber, sweetcorn, peppers	Baking powder	Coconut		
	, , , , , , , , , , , , , , , , , , ,	Yeast			
	I know some ingredients that come from shops, markets and	I know where to find different ingredients in a shop.	I know that some ingredients need to be bought from		
Sourcing	can be grown at home.	E.g.	speciality shops/ aisles:		
	cuit de grown de nome.		E.g.		
•	I know how some foods are produced	Cheese, milk, yogurt – in a refrigerator			
	E.g.	or chilled area	 World foods- plantain, gram flour, 		
		 Canned peaches, bread, dried pasta – 	galangal		
	● Eggs	shelves			
	• Milk	Frozen peas or fish – freezers			
. ·	Lean situs serve averages of feeds which should be best in the fittles	h lucas state at the second state at the secon	I be a suit to be a first and the second of		
Storing	I can give some examples of foods which should be kept in the fridge,	I know that there are storage instructions on most	I know that there are date marks ('use by' and 'best		
	cupboard or freezer.	food packaging, and I can identify and use these.	before') on foods and I can identify and use these.		
		know that different food should be stored in different	places in the fridge to keep it at its best and prevent		
		cross contamination			
		E.g.			
			kaan it cricn		
		Lettuce, cucumber - salad draw to			
		 Raw meat and fish – bottom shelf 			
		 Cheese, yogurt, ready cooked foo 	d – top shelves to keep them away from the juices of		
		raw foods.			
	I can give examples of how ingredients need to be prepared before they are	I know that ingredients are prepared differently depe	nding on culture, county, custom and religion.		
Preparation	eaten.	E.g.			
rieparation	E.g.	Sushi - fish prepared and eaten ra	W		
	Apple - washed				
	• • • • • • • • • • • • • • • • • • • •		re or eat dairy products or meat in together		
	Banana, Satsuma- peeled Batata, goaled and and acclude	Chinese stir fries - cooked in a hot	WOK		
	Potato – peeled and cooked	2. 11	11		
	I know a range of basic know a <u>basic range</u> of cooking equipment and explain what i		I know an extended range of cooking equipment which I may		
	cooking equipment. does.	explain what it does.	not have used before and explain its function and how it is		
Fa	-Mixing bowl E.g.	E.g.	designed for its purpose.		
Equipment	-Knife Chopping board	Baking tray	E.g.		
	-Spoon Vegetable knife	Garlic press	Palette knife		
	-Fork Saucepan	Whisk	Fish slice		
	-Cutters Cake tin	Measuring spoons	Wok		
	-Saucepan Muffin tray	Blender	Pastry brush		
	Measuring cups	Colander	Icing pipe/bag		
		Sieve	Bread maker		
		Grater			
		Weighing scales			
		Peeler	I can select the most appropriate equipment for what I am		
S	Cift (flour into a hour) Lean name and use a range of hosis cooling stills with	Lean name and use a range of spaking skills with inseresting	making.		
Disciplinary	-Sift (flour into a bowl) I can name and use a range of basic cooking skills with	I can name and use a range of cooking skills with increasing	I can name and use a range of cooking skills with confidence		
Knowledge (DT	-Spoon (into support. containers) E.g.	competence.	and accuracy to prepare increasingly challenging ingredients.		
Skills)	containers) E.gCrush (soft fruit with a	E.g. Peel (with a peeler)	E.g. Pool (to create ribbons of carrets couracttes)		
JKIII3)	potato masher) • Mix (with increasing thoroughness)	Mix (thoroughly)	 Peel (to create ribbons, e.g. carrots, courgettes) Mix (fold ingredients together e.g. flour into a mixture) 		
	Spread (soft ingredients)	Spread (evenly over food)	Measure accurately (using digital scales, analogue		
Cooking skills	Measure (with measuring cups)		scales, measuring jug)		
	wicesure (with measuring cups)	 Measure (with measuring jug, scales) 	scales, ilicasulling jug/		

	 Snip with kitchen scissors Cut out with cutters (with greater control to minimise waste) Spoon ingredients Arrange Thread (soft foods onto a cocktail stick, e.g. strawberries, satsuma segments) Cut (soft foods* with a table knife progressing to firmer foods with a vegetable knife) using: Fork secure Claw grip Bridge hold *tinned peaches, strawberries, bananas 	 Snip with kitchen scissors (with greater control) Grate (firmer foods like carrots) Shape dough Knead dough Press (garlic press) Spoon ingredients (using two spoons) Arrange (in an attractive way) Thread (medium resistance foods onto a kebab stick, e.g. mushrooms, courgettes) Crack an egg Juice (juicer) Cut (soft foods with table knife progressing to firmer foods** with a vegetable knife) using: -Fork secure -Claw grip -Bridge hold 	Grate (with greater control and skill, e.g. zest from a lemon, nutmeg) Thread (firmer foods onto kebab sticks, e.g. onions) Cut (firm*** and other foods with a vegetable knife) using: Fork secure -Claw grip -Bridge hold **** potatoes, carrots	
Hygiene and safety	 Can get ready to cook with some help. Tie back long hair Roll up long sleeves Remove any jewellery, including watches Put on an apron Wash my hands 	I can get myself ready to cook and remember what I need to do. Tie back long hair Roll up long sleeves Remove any jewellery, including watches Put on an apron Wash my hands	I can get myself ready to cook and talk about and demonstrate what I should do during and after I cook. E.g. Keep my work space tidy Avoid touching my face and hair Wash up the equipment Clean the surfaces	
New Vocabulary	Cultural beliefs Staple food Dietary needs Vegan Food allergies Food origins Vegetarian World foods	Cuisine		

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

Area of learning					
	Project/Unit Title				
	Substantive Knowledge				
	Disciplinary Knowledge				
	New Vocabulary				