Our Lady and St Edward's - Intent, Implementation and Impact in Design and Technology



Intent

It is our intent at Our Lady and St Edward's to prepare our pupils for a rapidly changing world. We believe effective Design and Technology education cultivates creativity and imagination through problem solving as both individuals and as members of a team. Children are motivated through the design, make, evaluate process to produce a final outcome; a quality product fit for purpose by a service user. Therefore, we believe that Design and Technology should be taught as an individual, discrete subject though we aim to make links where possible between projects and other curriculum areas such as Mathematics, Science, Computing and Art. The children are provided with sufficient opportunities to reflect upon and evaluate past and present design technology, becoming critical of its benefits, limitations, uses and overall effectiveness. In summary, Design and Technology at OLSE is about encouraging creative, critical and innovative learners.

Implementation

At Our Lady and St Edward's, we deliver Design and Technology lessons in 3 half-termly blocks and make cross curricular links where possible. The curriculum has been organised in a way which supports continuity and progression of skills. Children are able to draw upon knowledge and skills from the previous time they studied that focus area of learning. Food Technology is taught in every year group with textiles, mechanisms and structures being taught at least once over a two-year period. Planning is underpinned by our school Knowledge Organisers; these identify age-specific objectives covered in each unit. To further support our plans, we have collated all objectives for each year group into 'Skill Progression' documents, which provides further clarity with planning and allows gaps in learning to be identified and addressed as required. All D&T units follow a 'design, make, evaluate, model. This allows children to fully experience the subject and develop their own identity.

Design: Children will use research to develop design criteria which will inform their own innovative and functional designs. These should be fit for purpose and user. They will generate designs and consequently evaluate and modify their design in light of discussion.

Make: Children will select from a wide range of tools and equipment; choosing resources which they feel are most applicable and relevant to support the creation of the intended final product.

Evaluate: Children investigate and analyse their own and existing products against a set criterion.

Alongside, the 'design, make, evaluate' model, children are supported at all times to develop their technical knowledge. Work is recorded in individual Design and Technology floor books, which move through the school with each class. This allows us to fully incorporate progression into the topic, with the continual encouragement for children to build on what they have already learnt.

We have identified themes throughout our DT curriculum which allow for key knowledge to be revisited and built upon as children move through the school. These themes are:

- Cooking and Nutrition (Seasonal Soup Y1, Healthy Food Plate Y2, Ice Cream Sundae Y3, Healthy Recipes Y4, Natural Nourishment: Bread & Honey) Y5, Food to Fuel my Body Y6)
- Mechanisms (Wheels, Wings & Rockets Y1, Lifting the Load Y3, Work Made Easy Y5)
- Structures (Animal Shelters Y1, Brilliant Bridges Y2, Designed for Disaster Y4, Shelters for Survival Y6)
- Textiles (Heartfelt Habitats Y2, Light it Up! Y4, Beauty from Above Y5, Making Memories Y6)

Impact

The impact of good Design and Technology teaching ensures that children develop creative, technical and practical expertise needed to successfully and confidently participate in our ever increasing technological world. Our progressive curriculum, allows for new techniques to be combined with previously learned ones to enhance the creation of final products. High quality teaching provides motivating and stimulating opportunities which contributes to developing children's critical and evaluative thinking skills whilst simultaneously nurturing their creativity. Children are therefore supported to become resourceful, innovative and enterprising citizens.

Our Lady and St Edward's - Design and Technology Curriculum Overview

	Autumn	Spring	Summer
Year 1	Seasonal Soup Cooking and nutrition	Wheels, Wings and Rockets! Mechanics: moving vehicles	Animal Shelters Structures
Year 2	Healthy Food Plate Cooking and nutrition	Brilliant Bridges Structures	Puppet Makers Textiles
Year 3	Lifting the Load Mechanics: levers and linkages	Textiles - linked to the Lake District (e.g. compass holder/purse)	Ice Cream Sundae Cooking and nutrition
Year 4	Light it Up! Electricity-based: Textiles - sewing	Designed for Disaster Building structures	Cooking with Preston's Seasonal Harvest Cooking and nutrition
Year 5	Locked, Loaded and Alarmed! Mechanics: cam systems	Threads of the Rainforest Textiles - embroidery	#CookforSyria Cooking and nutrition
Year 6	Mechanisms unit? Or change with Spring?	Food to Fuel my Body Cooking and nutrition	Air-raid Shelters Building structures

Our Lady and St Edward's - National Curriculum Expectations for Design & Technology

KS1

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They should work in a range of relevant contexts [for example, the home and school, gardens and playgrounds, the local community, industry and the wider environment].

When designing and making, pupils should be taught to:

Design

- Design purposeful, functional, appealing products for themselves and other users based on design criteria
- Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

Make

- Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, shaping, joining and finishing]
- Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

Evaluate

- Explore and evaluate a range of existing products
- · Evaluate their ideas and products against design criteria

Technical Knowledge

- Build structures, exploring how they can be made stronger, stiffer and more stable
- Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.

Cooking and Nutrition

As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

Pupils should be taught to

Key Stage 1

- Use the basic principles of a healthy and varied diet to prepare dishes
- Understand where food comes from

Key Stage 2

- · Understand and apply the principles of a healthy and varied diet
- Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques
- Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

KS₂

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They should work in a range of relevant contexts [for example, the home, school, leisure, culture, enterprise, industry and the wider environment].

When designing and making, pupils should be taught to:

Design

- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

Make

- Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, shaping, joining and finishing], accurately
- Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic

Evaluate

- Investigate and analyse a range of existing products
- Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
- Understand how key events and individuals in design and technology have helped shape the world

Technical Knowledge

- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures
- Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]
- Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]
- Apply their knowledge of computing to program, monitor and control their products.

Key Knowledge

Key Knowledge								
Seasonal Soup Cooking and nutrition	Wheels, Wings and Rockets! Moving vehicles				Struc	Shelters		
The food we eat comes from different sources. For example, fruit and vegetables come from plants and meat comes from animals.	Wheels help vehicles move. The carts and rockets with wheels			shelter is a place that keeps an animal safe, dry and rm or cool depending on where it lives. structure is something that has been built and can stand its own.				
There are 5 main food groups; fruit and vegetables, carbohydrates, proteins, dairy, fats and oils	An axle is a stick or rod that g wheels to help them turn.	oes thr	ough the middle of the			ent kinds of shelt ve in a hot or co		
We need to eat a variety of different types of food to have a healthy diet.	Wheels and axles work togeth help things move.	er as a	simple mechanism to	(wider bottom	s help stop it fa	<u> </u>	·	
Some food can be eaten raw (without cooking) and some food needs to be cooked before we eat it.	Lots of vehicles, like toy cars of axles so they can roll smoothly		ies, use wheels and	or folding, ber	nding or joining	onger by using st pieces carefully		
When we prepare food, we should wash our hands and keep surfaces clean.	Sometimes the wheels spins on the axle, and sometimes the wheel and axle spin together.			<u> </u>	help us decide	lps keep a struct what is the bes		
Technical Knowledge and Skills		Des	sign, Make & Ev	aluate	Seasonal Soup	Wheels, Wings & Rockets	Animal Shelters	
Start to use technical vocabulary			Use pictures and words to convey what they want to design/make			✓	✓	
Cut out shapes which have been created by drawing r Join materials in a variety of ways	ound a template	ign	Explore ideas by rearranging materials			*	1	
Decorate using a variety of techniques Know some ways of making structures stronger		Design	Select pictures to help	develop ideas	✓	✓	✓	
Explore how to stiffen some materials Explore how to make a simple structure more stable		-	Use mock-ups e.g. recy trial models to try out	cled material their ideas.		✓	1	
Attach wheels to a chassis using an axle		o e	Select materials from a limited range ✓		4	4	1	
Cooking and Nutrition		Make	Explain what they are making		✓	✓	✓	
Group familiar food products e.g. fruit and veget	ables		Name the tools they are using		✓	✓	✓	
Cut and chop a range of ingredients		ate	Explore existing production investigate how they have a made (including teached examples)	ave been er-made	*	✓		
Work safely and hygienically		Evaluate	Talk about their design develop and identify go points	ood and bad	4	✓	1	
Know about the need for a variety of foods in a	diet.	Ú	Say what they like and about items they have attempt to say why		✓	✓	✓	

Healthy Food Plate Cooking and nutrition	Brilliant Bridges Structures	Puppet Makers Textiles
Foods from different food groups have different health benefits; • Fruit and vegetables – contain vitamins and minerals • Carbohydrates – give us energy	A bridge is a structure that helps people or vehicles cross over something, like water or a road (e.g. Sydney Harbour Bridge crosses Sydney Harbour in Australia).	A puppet is a character you can move and use to tell a story. Puppets were used in seaside shows in the past, like Punch and Judy, to entertain families at the beach.
 Proteins – build our muscles Dairy – contains calcium for our bones Fats and oils – add fat storage for energy 	Frame structures are made from parts that are joined together, like the skeleton of a building or bridge. A wide base or reinforced shapes can make a structure	A template is a shape or pattern you can draw around to help make sure all your pieces are the same size. Sewing materials together makes a stronger join than
The Eatwell Guide shows how much of what we eat overall should come from each food group to achieve a healthy, balanced diet. We should eat at least 5 portions of fruit and veg a day.	stronger and stop it from falling over. Triangular shapes (triangulation) can help make bridges strong and stable.	gluing or pinning. A running stitch is a simple type of sewing where the needle goes in and out of the fabric in a straight line.
There are different ways of preparing a variety of ingredients including cutting, grating and peeling.	Bridges are built using materials that are strong and sometimes flexible, like metal, wood, or stone.	It is important to tie a knot at the end of your sewing to stop it coming undone.
It is important to work hygienically when preparing food. We can do this by washing our hands, tying back long hair/wearing a hair covering, cleaning surfaces and equipment before and after use.	Joining methods like glue, tape, or paper fasteners can be used to connect parts in a model, but real bridges use bolts, rivets, or welding.	You can decorate your puppet using embellishments like buttons, felt pieces, or fabric shapes to add character and detail.
The state of the s		Healthy Duilliant Dynast

Technical Knowledge and Skills	De	sign, Make & Evaluate	Healthy Food Plate	Brilliant Bridges	Puppet Makers
Continue to develop use of technical vocabulary		Propose more than one idea for their	./	1	./
Cut out shapes which have been created by drawing round a template		product	•	•	Y
Join materials in a variety of ways	g	Use ICT to communicate ideas	✓		
Decorate using a variety of techniques	Si	Use drawings to record ideas as they	./	./	./
Know some ways of making structures stronger	De De	are developed	•	Y	,
Know how to stiffen some materials		Add notes to drawings to help	4	1	4
Know how to make a simple structure more stable		explanations	•	•	Y
Learn how to thread a needle		Discuss their work as it progresses		✓	✓
		Select and name the tools needed to	✓	√	✓
Join materials using simple stitches		work the materials			
Learn how to sew a button onto a piece of felt or fabric	Σ	Explain which materials they are			
Cooking and Nutrition		Propose more than one idea for their product Use ICT to communicate ideas Use drawings to record ideas as they are developed Add notes to drawings to help explanations Discuss their work as it progresses Select and name the tools needed to work the materials	✓	~	
Cut, peel, grate and chop a range of ingredients	Q	Decide how existing products do/do	4		./
Work safely and hygienically	uat	_ ·	•		•
Know about the Eatwell Plate	Val.		1	1	
Understand where food comes from	Ú	·	•	•	•

key knowledge							
Lifting the Load				Ice Cream Sundae			
Mechanics: Levers and linkages				Cooking and nutrition			
The simplest type of mechanism is called a lever. A lever is a stiff bar which moves around a pivot. The pivot can be loose or fixed.			Foods and drinks that are high in fat, salt or sugar and low in nutritional value are known as 'discretionary foods'. These aren't required for a healthy balanced diet. This includes chocolate and sweets, cakes biscuits and pastries				
A linkage is a mechanism made by connecting together levers around a pivot to produce the type of movement required.			or sugary drin occasionally ir	ks. These types a small portions at people eat too	of foods can be as part of a hea	enjoyed Ithy diet,	
A shadduf is a hand-operated machine used to transport water from a lower level to a higher one. It consists of a long wooden pole balanced on a crossbeam. The pole has a			them for foods	it down on discress from the 5 food	d groups.		
bucket attached by a rope to one end and a heavy weight acting as a counterweight on the other end.			include frozen homemade fro		s, organic fruit	purees, or	
A lashing is a type of knot used to secure and fasten two or more items together. This type of knot can be used to connect poles to create a rigid structure.			the spread of	t to work hygien bacteria and cro ng sure foods ar	ss contaminatio	n. This	
Technical Knowledge and Skills	De	esign, Make & Evaluate		Lifting the Load	Building Bridges	Ice Cream Sundae	
Use an increasingly appropriate technical vocabulary for tools, materials and their	2	Develop more than one design or adaptation of design	of an initial	✓			
properties	<u>.</u>	Plan a sequence of actions to make a product				✓	
Prototype a product	Design	Think ahead about the order of their work and tools and materials	l decide upon	✓	✓	✓	
Investigate how to strengthen frames	their design ideas.			✓	✓	✓	
investigate now to strengthen names	0	Select from a range of tools for cutting, shaping and finishing	✓	✓			
Measure and mark square section, strip and dowel	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Use tools with accuracy		✓	✓	✓	
accurately to 1cm	Use tools with accuracy Select from materials according to their functional properties			✓	✓	✓	
Has Ballanas ka mada mananak laman an manana ma		Use appropriate finishing techniques				✓	
Use linkages to make movement larger or more varied		Investigate similar products to the one to be r starting points for a design	made to give	✓	✓	✓	
Cooking and Nutrition	به ا	Research needs of a user		✓		✓	
Follow instructions/recipes	<u>a</u>	Decide which design idea to develop		✓			
Join and combine a range of ingredients	Evaluate	Consider and explain how the finished product improved	t could be	✓	✓	✓	
Begin to understand the food groups on the Eatwell	<u> </u>	Discuss how well the finished product meets t design criteria	he user's	✓	✓	✓	
Plate		Investigate key events and individuals in design technology	gn and	✓	✓		

Light It Up!	Design	ed f	or Disaster	Cooking with Preston's Seasonal Harvest				
Electricity-based: Textiles	Buil	ding S	Structures Structures	Cooking and nutrition				
Know how to create a simple circuit which allows a lightbulb to function (covered through science).				Preston has a long history of markets, farming, and food production, providing local and seasonal ingredients that have shaped the city's cooking traditions. Our food has to be grown, reared or caught. The food is then processed in different ways. • Growing food – food is grown in an environment where light, food (soil) and water are available to them. • Rearing food – different breeds of animals are reared for their meat. Dairy				
An electrical circuit is a loop through which an electric current can flow. It consists of a power source, wires and components such as a bulb or switch.	In order to join wooden dowel together, place			products and eggs also cor • Catching food – most of th can also be caught in the v	me from reared and e fish we eat is can wild or farmed.	nimals. aught from seas o	r rivers. Game	
the end of one pi		piece of wooden dowel against her. This can then be glued te a butt joint. The joint		Preparing processes are the different ways we get food ready to be eaten. They include slicing, mixing, weighing/ measuring, grating, serving and adding/substituting.				
being sewn together.			Cooking processes are different ways that we heat food before it is eaten. They include; baking, boiling, frying, grilling, griddling, steaming, boiling and poaching.					
There are different types of stitches which can create different aesthetics and are useful for different purposes.	It is important to measure and mark out your dowel before cutting to ensure accuracy.			In order to avoid cross-contamination when preparing food, we should use different chopping boards for foods from different food groups. Raw/unwashed food should be kept separate from ready to eat food.				
Technical Knowledge and Skills		Des	sign, Make & Ev	aluate	Light It Up!	Designed for Disaster	Healthy Recipes	
Continue to use an increasingly appropriate technifor tools, materials and their properties Understand seam allowance (when two pieces of materials)		Record a plan by drawing using a Use prototypes to develop and sh Consider aesthetic qualities of ma		ng using annotated sketches	✓	✓	✓	
sewn together)	ar are being							
Sew on buttons and make loops		es	Use prototypes to develop and share ideas		✓	✓		
Strengthen frames with diagonal struts		Consider aesthetic qualities of mate		ities of materials chosen	✓			
Measure and mark square section, strip and dowel accur	rately to 1cm		Use CAD where approp		✓			
Incorporate a circuit into a model		Ø	Prepare pattern pieces as templates for their		✓			
Use electrical systems such as switches, bulbs and buzze		Prepare pattern pieces as temp design Select from different technique		1				
Develop skills in stitching – learn more than one stitch e and back stitch	.g. cross stitch	Σ	Select from different te of the process	chniques for different parts	✓	✓	✓	
Use a simple pattern as a starting point for design			Draw/sketch existing part and understand how pr	roducts in order to analyse oducts are made	✓	✓	✓	
Cooking and Nutrition Make healthy eating choices – use the Eatwell Plate				and weaknesses of their to purpose/user	✓		✓	
Understand seasonality		/alı		ow the finished product	√	✓	✓	
Know where and how ingredients are reared and caught		Ú	could be improved Investigate key events and individuals in		<i>'</i>	· /	1	
Prepare and cook using different cooking techniques			and technology		V	V	V	

,			
Locked, Loaded and Alarmed! Mechanics: cam systems	Threads of the Rainforest Textiles: Embroidery	#CookforSyria Cooking and nutrition	
There are 4 types of mechanical motion: • Linear motion is movement in a straight line and in one direction.		Syrian cooking often uses fresh herbs, spices, grains, yoghurt, vegetables, and olive oil.	
 Rotary motion is movement following a circular path, around a fixed point. Oscillating motion occurs when an object swings left and then right (or vise-versa), from a fixed point. Reciprocating motion is a repetitive movement left to right or up and down. 	Tools must be chosen in light of considering the materials properties. e. g. It is important to know that the nature of fabric may require sharper scissors than would be used to cut paper.	Bread is a staple food which is available all year round. Simple flatbreads are a staple in Syria and are often eaten with dips such as hummus or yogurt-based sauces.	
A cam mechanism is made up of three components: a cam, a slider, a follower.	It is important to create consistently sized stitches, as this creates a more attractive product.	The process of making bread involves several steps, such as mixing, kneading, shaping and baking.	
A cam converts rotary motion (turning) into reciprocating motion (up-and-down or back-and-forth).	It is important to leave space on the fabric for the seam. Some	Learning about and sharing food from other cultures helps us understand and show respect for the lives and traditions of others.	
Different shaped cams will cause the follower to move up and down in different ways.	products are turned inside out after sewing so the stitching is hidden.	To stay safe and avoid cross-contamination, we use clean equipment, wash our hands, and keep raw and cooked foods separate.	
We can use a cam system to trigger an alarm, such as moving a lever, tapping a bell, or making a visual alert. Designing an alarm system involves planning the mechanism, testing it, and refining it for reliability.	Embroidery is a decorative technique that involves stitching patterns onto fabric using a needle and thread. In design technology, embroidery plays a significant role in various applications, including fashion design, textile design and product customisation.	It is important to check that food is fully cooked before serving it to avoid the spread of harmful bacteria. When reheating food, ensure it is piping hot and only ever reheat it once.	

Technical Knowledge and Skills	Des	sign, Make & Evaluate	Locked, Loaded & Alarmed	Threads of the Rainforest	Cook for Syria
Use the correct vocabulary appropriate to the project	_	Record ideas using annotated diagrams	✓	✓	
Join materials using appropriate methods	sign	Use models, kits and drawings to help formulate design ideas	✓	✓	
Cut strip wood, dowel, square section wood accurately to 1mm	De	Sketch and model alternative ideas	✓	✓	✓
Build frameworks to support mechanisms		Decide which design idea to develop	✓	✓	✓
Stiffen and reinforce complex structures		Develop one idea in depth	✓	✓	✓
Use mechanical systems such as cams, pulleys and gears	Ð	Select from and use a wide range of tools	✓	✓	✓
Create a simple pattern for design	ake	Cut accurately and safely to a marked line	✓	✓	
Learn and revise stitches – running stitch, cross stitch, back stitch and create textiles using a combination of stitches	Σ	Select from and use a wide range of materials	✓	✓	✓
Consolidate sewing skills and show precision in techniques					
Cooking and Nutrition	4	Research and evaluate existing products	✓	✓	✓
Join and combine a widening range of ingredients	ate	Consider user and purpose	✓	✓	✓
Select and prepare foods for a particular purpose	valu	Consider and explain how the finished product could be improved related to design criteria	✓	✓	✓
Know where and how ingredients are grown and processed	Ú	Investigate key events and individuals in design and technology	✓		✓

Key Knowledge						
	Food	d to Cooki	Air-raid Shelter Building Structures			
Moist heatDry heatCombinati	t cooking techniques cooking techniques ion cooking techniqu	s such a such as ues such	n as braising or stewing.	It is important to cut materials with precision and refine the finish with appropriate tools e.g. sanding wood after cutting or a more precise scissor cut after roughly cutting a shape.		
and rearing f	oods out of season	consum	o grow and rear food out of season. However, growing les a lot of energy, because the process takes place in esources, for example heat, light, water and nutrients.	or a technology fr	est, or original mod rom which improvei hanges can be mad	ments upgrades
choices. It he Seasons are takes place b November. T example, cuc	Eating sustainably is about finding the right balance between your food needs and your food choices. It helps to reduce our carbon footprint. Seasons are different in different places over the year. In the northern hemisphere, spring takes place between March and May. In the southern hemisphere, spring is September to November. Therefore, foods are in season in different places at different times of the year. For example, cucumbers can be naturally grown in the northern hemisphere between March-June, and in the southern hemisphere between October-December.			In complex structures, triangulation is one to strength the structure. Another method is through the use of beams and columns. For instance, a roof rests on columns and beams in order to hold a lot of weight. Beams are arranged horizontally and columns are arranged vertically.		
time. Some r	Harmful bacteria are killed by cooking food at the right temperature for the correct length of time. Some meats can be served rare, but meat such as chicken, duck and pork need to be cooked through until the core temperature reaches 75°C.				Wooden dowel can be joined together using a lap joint. A butt joint, joins two pieces of woo one piece being placed against another. A lap made when two pieces of are joined together overlapping.	
Technical Knowledge and Skills		Des	sign, Make & Evaluate		Food to Fuel my Body	Air-raid Shelter
Use the correct vocabulary appropriate to the project		_	Plan the sequence of work		✓	✓
Join materials using appropriate methods		Design	Devise step by step plans which can be read/followed by someone else		✓	
Create 3D textile products using pattern pieces Understand pattern layout with textiles			Use exploded diagrams and cross-sectional diagrams to communicate ideas			✓
Cut strip wood, dowel, square section wood accurately to 1mm			Make prototypes			✓
Stiffen and reinforce complex structures		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			✓	✓
Create a simple pattern for design		Make	Produce detailed lists of ingredients, components, materials and tools		✓	✓
Learn and revise stitches – running stitch, cross stitch, back stit textiles using a combination of stitches	ch and create		Refine their product – review and rework/improve			✓
Consolidate sewing skills and show precision in techniques			Identify the strengths and weaknesses of their design ideas		✓	✓
Cooking and Nutrition		؈	Report using correct technical vocabulary		✓	✓
Understand and apply the principles of a healthy and varied diet		Evaluate	Discuss how well the finished product meets the design criteria having tested on/discussed outcomes with the user		✓	✓
Choose ingredients to support healthy eating choices when design products	gning their food	EV	Understand how key people have influenced design in a variety of contexts		✓	
Prepare and cook a variety of mostly savoury dishes using a ran techniques	nge of cooking		Investigate key events and individuals in design and technology			✓

Use electrical systems such as motors and switches

Program, monitor and control using ICT

Create 3D textile products using pattern pieces

Understand pattern layout with textiles