The Canterbury Primary School



Knowledge and Skills Progression Document

Design and Technology

Strands of the	Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
subject							
Design	Select appropriate	have own ideas	have own ideas and	begin to research	use research for	use internet and	draw on market
	resources	explain what I want	plan what to do next	others' needs	design ideas	questionnaires for	research to inform
	Use gestures, talking	to do	explain what I want	show design meets a	show design meets a	research and design	design
	and arrangements of	explain what my	to do and describe	range of	range of	ideas	use research of
	materials and	product is for, and	how I may do it	requirements	requirements and is	take a user's view	user's individual
	components to	how it will work	explain purpose of	describe purpose of	fit for purpose	into account when	needs, wants,
	show design	use pictures and	product, how it will	product	begin to create own	designing	requirements for
	Use contexts set by	words to plan, begin to use models	work and how it will	follow a given design	design criteria	begin to consider	design
	the teacher	design a product for	be suitable for the	criteria	have at least one	needs/wants of	identify features of
	Use language of	myself following	user	have at least one	idea about how to	individuals/groups	design that will
	designing and	design criteria	describe design	idea about how to	create product and	when designing and	appeal to the
	making (join, build,	research similar	using pictures,	create product	suggest	ensure product is fit	intended user
	shape, longer,	existing products	words, models,	create a plan which	improvements for	for purpose	create own design
	shorter, heavier etc.)		diagrams, begin to	shows order,	design.	create own design	criteria and
			use ICT	equipment and tools	produce a plan and	criteria	specification
			design products for	describe design	explain it to others	have a range of	come up with
			myself and others	using an accurately	say how realistic	ideas	innovative design
			following design	labelled sketch and	plan is.	produce a logical,	ideas
			criteria	words	include an	realistic plan and	follow and refine a
			choose best tools	make design	annotated sketch	explain it to others.	logical plan.
			and materials, and	decisions	make and explain	use cross-sectional	use annotated
			explain choices		design decisions	planning and	sketches, cross-

							 -
			use knowledge of	explain how product	considering	annotated sketches	sectional planning
			existing products to	will work	availability of	make design	and exploded
			produce ideas	make a prototype	resources	decisions	diagrams make
				begin to use	explain how product	considering time	design decisions,
				computers to show	will work	and resources.	considering,
				design	make a prototype	clearly explain how	resources and cost
					begin to use	parts of product will	clearly explain how
					computers to show	work.	parts of design will
					design.	model and refine	work, and how they
					3.55.8	design ideas by	are fit for purpose
						making prototypes	independently
						and using pattern	model and refine
						pieces.	design ideas by
						use computer-aided	making prototypes
						designs	and using pattern
						acsigns	pieces
							use computer-aided
							designs
D.A. I.	Construct with a	ovalaja vyhat I'm	ovalaja vyhat Lam	select suitable	select suitable tools	use selected	use selected tools
Make		explain what I'm making and why	explain what I am making and why it	tools/equipment,	and equipment,	tools/equipment	and equipment
	purpose, using a variety of resources	consider what I need	fits the purpose	explain choices;	explain choices in	with good level of	precisely
	Use simple tools and	to do next select	make suggestions as	begin to use them	relation to required	precision	produce suitable
	techniques *Build /	tools/equipment to	to what I need to do	accurately	techniques and use	produce suitable	lists of tools,
	construct with a	cut, shape, join,	next.	select appropriate	accurately	lists of tools,	equipment,
	wide range of	finish and explain	join	materials, fit for	select appropriate	equipment/material	materials needed,
	objects	choices	materials/componen	purpose.	materials, fit for	s needed	considering
	Select tools &	measure, mark out,	ts together in	work through plan in	purpose; explain	select appropriate	constraints
	techniques to shape,	cut and shape, with	different ways	order *consider how	choices	materials, fit for	select appropriate
	assemble and join	support *choose	measure, mark out,	good product will be	work through plan in	purpose; explain	materials, fit for
	Replicate structures	suitable materials	cut and shape	begin to measure,	order.	choices, considering	purpose; explain
	with materials /	and explain choices	materials and	mark out, cut and	realise if product is	functionality	choices, considering
	components	try to use finishing	components, with	shape	going to be good	create and follow	functionality and
	Discuss how to make	techniques to make	support.	materials/componen	quality	detailed stepby-step	aesthetics
	an activity safe and	product look good	describe which tools	ts with some	measure, mark out,	plan	create, follow, and
	hygienic	work in a	I'm using and why	accuracy	cut and shape	explain how product	adapt detailed step-
	Record experiences		choose suitable	begin to assemble,	materials/componen	will appeal to an	by-step plans
	by drawing, writing,		materials and	join and combine	ts with some	audience	explain how product
	voice recording		explain choices	materials and	accuracy	mainly accurately	will appeal to
				components with		measure, mark out,	audience; make

	Lla da vata u -l		danandina		annumble total and	aut and ab - :	ahanaa ka tuuruu
	Understand different media		depending on	some accuracy begin	assemble, join and	cut and shape	changes to improve
	different media		characteristics.	to apply a range of	combine materials	materials/componen	quality
			use finishing	finishing techniques	and components	ts	accurately measure,
			techniques to make	with some accuracy	with some accuracy	mainly accurately	mark out, cut and
			product look good		apply a range of	assemble, join and	shape
			*work safely and		finishing techniques	combine	materials/componen
			hygienically		with some accuracy	materials/componen	ts
						ts mainly accurately	accurately assemble,
						apply a range of	join and combine
						finishing techniques	materials/componen
						use techniques that	ts
						involve a small	accurately apply a
						number of steps	range of finishing
						begin to be	techniques
						resourceful with	use techniques that
						practical problems	involve a number of
							steps
							be resourceful with
							practical problems
Evaluate	Adapt work if	talk about my work,	describe what went	look at design	refer to design	evaluate quality of	evaluate quality of
	necessary	linking it to what I	well, thinking about	criteria while	criteria while	design while	design while
	Dismantle, examine,	was asked to do	design criteria	designing and	designing and	designing and	designing and
	talk about existing	talk about existing	talk about existing	making	making	making	making; is it fit for
	objects/structures	products	products	use design criteria to	use criteria to	evaluate ideas and	purpose?
	Consider and	considering: use,	considering: use,	evaluate finished	evaluate product	finished product	keep checking
	manage some risks	materials, how they	materials, how they	product	begin to explain how	against specification,	design is best it can
	Practise some	work, audience,	work, audience,	say what I would	I could improve	considering purpose	be.
	appropriate safety	where they might be	where they might be	change to make	original design	and appearance.	evaluate ideas and
	measures	used	used; express	design better	evaluate existing	test and evaluate	finished product
	independently	talk about existing	personal opinion	begin to evaluate	products,	final product	against specification,
	Talk about how	products, and say	evaluate how good	existing products,	considering: how	evaluate and discuss	stating if it's fit for
	things work	what is and isn't	existing products are	considering: how	well they've been	existing products,	purpose test and
	Look at similarities	good	talk about what I	well they have been	made, materials,	considering: how	evaluate final
	and differences	talk about things	would do differently	made, materials,	whether they work,	well they've been	product; explain
	between existing	that other people	if I were to do it	whether they work,	how they have been	made, materials,	what would improve
	objects / materials /	have made	again and why	how they have been	made, fit for	whether they work,	it and the effect
	tools	begin to talk about		made, fit for	purpose	how they have been	different resources
	Show an interest in	what could make		purpose	discuss by whom,	made, fit for	may have had
	technological toys	product better		begin to understand	when and where	purpose	do thorough
	Describe textures			by whom, when and			evaluations of

			where products were designed learn about some inventors/designers/ engineers/chefs/ manufacturers of groundbreaking products	products were designed research whether products can be recycled or reused know about some inventors/designers/ engineers/chefs/ma	begin to evaluate how much products cost to make and how innovative they are research how sustainable materials are	existing products considering: how well they've been made, materials, whether they work, how they've been made, fit for purpose
			products	nufacturers of ground-breaking products	talk about some key inventors/designers/ engineers/ chefs/manufacturers of groundbreaking products	evaluate how much products cost to make and how innovative they are research and discuss how sustainable materials are consider the impact of products beyond their intended purpose discuss some key inventors/designers/ engineers/ chefs/manufacturers of groundbreaking products
Technical Knowledge – Materials and Structures	begin to measure and join materials, with some support describe differences in materials suggest ways to make material/product stronger	Technical Knowledge – Materials and Structures measure materials describe some different characteristics of materials join materials in different ways *use joining, rolling or folding to make it stronger	use appropriate materials work accurately to make cuts and holes join materials begin to make strong structures	measure carefully to avoid mistakes attempt to make product strong continue working on product even if original didn't work make a strong, stiff structure	select materials carefully, considering intended use of product and appearance explain how product meets design criteria measure accurately enough to ensure precision ensure product is strong and fit for purpose	select materials carefully, considering intended use of the product, the aesthetics and functionality. explain how product meets design criteria reinforce and strengthen a 3D frame

Technical Knowledge - Mechanisms	begin to use leve or slides	use own ideas to try to make product stronger Technical Knowledge - Mechanisms use levers or slides begin to understand how to use wheels and axles	select appropriate tools / techniques alter product after checking, to make it better begin to try new/different ideas use simple lever and linkages to create movement	select most appropriate tools / techniques explain alterations to product after checking it grow in confidence about trying new / different ideas. use levers and linkages to create movement *use pneumatics to create movement	begin to reinforce and strengthen a 3D frame refine product after testing grow in confidence about trying new / different ideas begin to use cams, pulleys or gears to create movement	refine product after testing, considering aesthetics, functionality and purpose incorporate hydraulics and pneumatics be confident to try new / different ideas use cams, pulleys and gears to create movement
Technical Knowledge - Textiles	measure, cut an join textiles to m a product, with some support choose suitable textiles		join different textiles in different ways choose textiles considering appearance and functionality begin to understand that a simple fabric shape can be used to make a 3D textiles project	think about user when choosing textiles think about how to make product strong begin to devise a template explain how to join things in a different way understand that a simple fabric shape can be used to make a 3D textiles project	think about user and aesthetics when choosing textiles use own template think about how to make product strong and look better think of a range of ways to join things begin to understand that a single 3D textiles project can be made from a combination of fabric shapes.	think about user's wants/needs and aesthetics when choosing textiles make product attractive and strong make a prototype use a range of joining techniques think about how product might be sold think carefully about what would improve product understand that a single 3D textiles project can be made from a combination of fabric shapes.

Technical Begi						1	
Knowledge – Food and Nutrition Some preptech procent	re food was paration tools, such niques and invocesses decise stirring, anding (i. cuss how to make activity safe and gienic cuss use of ases derstand need for iety in food Begin understand that ing well stributes to good invoces was an invocessed to the second of the	foods come from, (i.e. plant or animal) describe differences between some food groups (i.e. sweet, vegetable etc.) discuss how fruit and vegetables are healthy cut, peel and grate safely, with support	Technical Knowledge — Food and Nutrition explain hygiene and keep a hygienic kitchen describe properties of ingredients and importance of varied diet say where food comes from (animal, underground etc.) describe how food is farmed, home- grown, caught draw eat well plate; explain there are groups of food describe "five a day" cut, peel and grate with increasing confidence	carefully select ingredients use equipment safely make product look attractive think about how to grow plants to use in cooking begin to understand food comes from UK and wider world describe how healthy diet= variety/balance of food/drinks explain how food and drink are needed for active/healthy bodies. prepare and cook some dishes safely and hygienically grow in confidence using some of the following techniques: peeling, chopping, slicing, grating, mixing, spreading,	explain how to be safe/hygienic think about presenting product in interesting/ attractive ways understand ingredients can be fresh, pre-cooked or processed begin to understand about food being grown, reared or caught in the UK or wider world describe eat well plate and how a healthy diet=variety / balance of food and drinks explain importance of food and drink for active, healthy bodies prepare and cook some dishes safely and hygienically use some of the following techniques: peeling, chopping, slicing, grating, mixing, spreading, kneading and baking	explain how to be safe / hygienic and follow own guidelines present product well - interesting, attractive, fit for purpose begin to understand seasonality of foods understand food can be grown, reared or caught in the UK and the wider world describe how recipes can be adapted to change appearance, taste, texture, aroma explain how there are different substances in food / drink needed for health prepare and cook some savoury dishes safely and hygienically including, where appropriate, use of heat source use range of techniques such as peeling, chopping, slicing, grating, mixing, spreading,	understand a recipe can be adapted by adding / substituting ingredients explain seasonality of foods learn about food processing methods name some types of food that are grown, reared or caught in the UK or wider world adapt recipes to change appearance, taste, texture or aroma. describe some of the different substances in food and drink, and how they can affect health prepare and cook a variety of savoury dishes safely and hygienically including, where appropriate, the use of heat source. use a range of techniques confidently such as peeling, chopping, slicing, grating, mixing, spreading, kneading and

Technical Knowledge – Electrical Systems		use simple circuit in product learn about how to program a computer to control product.	use number of components in circuit program a computer to control product	incorporate switch into product confidently use number of components in circuit begin to be able to program a computer to monitor changes	use different types of circuit in product think of ways in which adding a circuit would improve product program a computer to monitor changes in environment and
				in environment and	control product
				control product	

End Points

Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Design purpose	ful, functional, appeali	ng products for	Use research and develop design criteria to inform the design of innovative, functional,				
themselves and	d other users based on	design criteria	appealing products	that are fit for purpose	e, aimed at particular ir	ndividuals or groups	
Generate, develop, m	nodel and communicat	e their ideas through	.Generate, develop, r	nodel and communicat	te their ideas through o	liscussion, annotated	
talking, drawing, ter	nplates, mockups and,	where appropriate,	sketches, crossse	ctional and exploded d	iagrams, prototypes, p	attern pieces and	
information	n and communication	technology		computera	ided design		
Select from and use	a range of tools and ed	quipment to perform	Select from and use	a wider range of tools	and equipment to per	form practical tasks	
practical tasks [fo	or example, cutting, sha	aping, joining and	[for example, cutting	g, shaping, joining and	finishing], accurately Se	elect from and use a	
	finishing]		wider range of mate	erials and components	, including construction	n materials, textiles	
Select from and use a	a wide range of materi	als and components,	and ingredients, a	according to their func	tional properties and a	esthetic qualities	
including construc	ction materials, textiles	s and ingredients,	nvestigate and analy	rse a range of existing p	products. Evaluate thei	r ideas and products	
accor	ding to their character	istics	against their own o	design criteria and cons	sider the views of othe	rs to improve their	
Build structures, ex	xploring how they can	be made stronger,	work. Understand	how key events and ir	ndividuals in design and	technology have	
:	stiffer and more stable	!		helped shap	e the world		
Explore and use m	nechanisms [for examp	le, levers, sliders,	Apply their understa	anding of how to stren	gthen, stiffen and reinf	orce more complex	
wheels	and axles], in their pro	oducts.		struc	tures		
Use the basic princip	oles of a healthy and va	aried diet to prepare	Understand and use	mechanical systems in	their products [for exa	mple, gears, pulleys,	
	dishes			cams, levers	and linkages]		

Understand where food comes from.

Taken from the National Curriculum Design and Technology

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, joining and finishing]

Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

explore and evaluate a range of existing products 2 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

use the basic principles of a healthy and varied diet to prepare dishes 2 understand where food comes from.

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.

Understand and use electrical systems in their products [for example, series circuits

Taken from the National Curriculum Design and Technology

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 wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately

Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

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 <code>Qunderstand</code> 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 understanding of computing to program, monitor and control their products.

Cooking and Nutrition

understand and apply the principles of a healthy and varied diet 2 prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques 2

understand seasonality, and know where and how a variety of ingredients are grown reared, caught and processed.

Topic/Term 2,4,6	What you designed/designed/made (Please add Photo of finished	Resources required
	products)	
TERM 2		
Year R		
Year 1	Research/Skill - Design and Technology - Food and Nutrition S/F: To research and explore Mexican /Canadian food. Design - Design and Technology- S/F: To design a plate of food native to the country Mexico/Canada. Make - Design and Technology - S/F: To make my plate of food following my plan. Evaluate - Design and Technology: S/F: To review Useful website links -	Paper plates Pens Photos of foods Food groups Additional - we made salsa and made pancakes Flour Milk Eggs Bowls Wooden spoons Tomatoes Mint Onions Garlic White wine vinegar Limes coriander Knives Chopping boards Gloves
Year 2	Research: Design and Technology - Food and Nutrition S/F: To research and explore South American food.	Rio Carnival Salsa Paper plates Pens
	Design: S/F: To design a plate of food native to the country Brazil	Photos of foods
		Food groups
	Make:	chopping board
	S/F: To make my plate of food following my plan.	knifes

	Evaluate: S/F: To review my plate of food	Bowls large red bell peppers large yellow bell peppers large orange bell peppers cherry tomatoes cucumber red onions sweetcorn red kidney beans olive oil tortilla chips
Year 3	Research/Skill - Design and Technology - Food and Nutrition S/F: To research and explore Chinese food (term 2) Design - Design and Technology- S/F: To design a plate of food native to the country China Make - Design and Technology - S/F: To make my plate of food following my plan. Evaluate - Design and Technology: S/F: To review Useful website links -	Vegetable spring rolls: carrots, cucumber, bean shoots, spring onions, soy sauce, chinese rice pancakes, Knives Paper plates Paper bowls Chopping boards
Year 4		
Year 5		
Year 6	Design and create stained glass windows inspired by visit to Canterbury Cathedral. Research/Skill: Looking at stained glass windows during trip to Canterbury Cathedral. Identifying features and purpose. Design: Identify features of design that will appeal to the intended user create own design criteria and specification come up with innovative design ideas.	Card, scissors, coloured paper, glue, glue guns Tissue paper, see through shiny paper

	Make: Accurately measure, mark out, cut and shape materials/components Evaluate: Evaluate their ideas and products against their own design criteria and	
	consider the views of others to improve.	
TERM 4		
/ear R		
/ear 1	Research/Skill - Design and technology- Research wind turbines How they work and what they are used for To explore types of folding Design - Design and Technology- Plan a Wind Turbine with a list of resources Make - Design and Technology - Build a wind turbine using the resources	Paper for folding exercise- card Kitchen roll tubes Paper cups Paper clips Card
	Evaluate - Design and Technology: Make reasonable adjustments to improve the sturdiness of the wind turbine Design and Technology: Review and display the wind turbines, what went well, what needs improving Useful website links - How wind energy produced - https://www.youtube.com/watch?v=-8-9j3mXIYE Making a wind Turbine - https://www.youtube.com/watch?v=vmM5kO2PjCo How a wind turbine works - https://www.youtube.com/watch?v=gHUJqTT3THU	Card board String Marbles Skewers Tape Plastic straws Photo instructions Saws Wood Hammers Nails Wood glue Clamps
/ear 2	Research: Types of lizards that live near and around volcanic areas. Sewing Design: Design a lizard sock puppet Make: Make a lizard sock puppet Evaluate: Review- what went well, what could be improved	Different colour felt Buttons Thread Needles Pins Glue guns

	https://holloughby.blogspot.com/2011/05/sewing-tuesday-lizard-named-lionel.html	
Year 3	Earthquakes	Jelly
	Discussion: how are buildings made earthquake proof (Japan)	Plastic containers for jelly
	Design: how will structure withstand an earthquake. What can we	Art straws
	use to help it remain standing?	Matchsticks
	Make: A structure from art straws and other materials, that is	Lolly sticks
	at least two storeys high that can remain standing during a "jelly"	Masking tape
	earthquake.	Glue guns
	Evaluate: How would you improve your design and why?	
Year 4	Floods -	Glue guns
	Discussion - essential features	Scissors
	Design - how will the water be collected? How will the gauge be	Tape
	made stable?	Children source their own materials according
	Make - resources from home and school.	to their designs.
	Creating an accurate scale to measure water collected.	
	Evaluate - how would you improve your design and why?	
	Term 5 - sewing	Felt
	Creating a stitched page-corner bookmark	Cotton thread
	Discrete teaching of skills - thread needle, running stitch,	Needles
	starting knot and finishing seam knot.	Needle-threaders
Year 5		
Year 6	Project 2: plastic sculptures to showcase at end of term Climate	Junk plastic, glue guns, scissors
	Change exhibition for parents	
	Design:	
	use annotated sketches, cross sectional planning and exploded diagrams make design	
	fit for purpose independently model and refine design ideas by making prototypes and using pattern pieces	

	Make:	
	Use selected tools and equipment precisely produce suitable lists of tools, equipment, materials needed, considering constraints select appropriate materials, fit for purpose	
	Create, follow, and adapt detailed step-by-step plans explain how product will appeal to audience; make changes to improve quality accurately measure, mark out, cut and shape materials/components accurately assemble, join and combine materials/components.	
	Evaluate:	
	Evaluate ideas and finished product against specification. Explain what would improve it and the effect different resources may have had do thorough evaluations.	
TERM 6		
Year R		
Year 1	Sewing - https://www.youtube.com/watch?app=desktop&v=c7oQfYXqF4M&t=7s Sewing poster word cards-https://www.twinkl.co.uk/resource/t-m- 866-simple-sewing-stitches-display-posters https://www.twinkl.co.uk/resource/sewing-key-word-cards-t-tp- 1636113876 https://www.twinkl.co.uk/resource/ks2-lets-talk-textiles- powerpoint-t2-t-1586 Joining fabrics ppt - https://www.twinkl.co.uk/resource/tp-d-036- planit-dt-ks1-our-fabric-faces-lesson-3-joining-fabrics-lesson- pack	Teddies Thread Needles Felt Material Fabric pens Googly eyes Buttons Waterproof material Threading resources
Year 2	Use levers or slides begin to understand how to use wheels and axles. Make a moving picture (Wildlife at a river or lake)	Card Lolly sticks

	Research: Sliders and wheels (sun)	Split pins
	Design: Design a moving picture with wildlife at a river or lake using a slider and/or wheel.	Masking tape Pens/ pencils
	Make: Make moving picture with wildlife at a river or lake using a slider and/or wheel.	Wildlife, Lakes/Rivers pictures Flat wheels
	Evaluate: Evaluate moving picture with wildlife at a river or lake using a slider and/or wheel. what went well, what needs improving	
ear 3	Design and make a village/countryside diorama Research a village/countryside setting from what they have seen	Boxes from home Junk modelling
	on school trip to Godmersham Park Farm.	Variety of materials including tissue paper,
	Design a diorama using mixed media including 3d structures.	crepe paper, carboard, card
	Evaluate: does their diorama depict a rural scene? What elements	Glue
	of urbanism are included?	Lolly sticks
		Paint
		Glue guns
		Pens and colouring pencils
		String
ear 4	Design a healthy city Research/discuss - what makes a city a healthy city	Competition entry
	Design - create a design that reflects their criteria	Thick cardboard for bases
	Make - mock-up city. table-top Select and join materials. Alter them appropriately for the design.	Junk modelling – containers to alter, join Materials for organic features of landscape
	Share - invite parents in to view these. Encourage parents to ask	, maren and per enganne pear an ee ep nameeeape
	children why they chose to include features and materials.	
	Evaluate - Children	
ear 5	Design a water mill	
	Research/Skill: Undertake online research etc. To understand the purpose and design of a watermill.	

	Design: Identify features of design that will appeal to the intended user create own design criteria and specification come up with innovative design ideas. Make: Accurately measure, mark out, cut and shape materials/components. Evaluate: Evaluate their ideas and products against their own design criteria and consider the views of others to improve.	
Year 6		