

	SKILLS – Design & Technology								
<u>Structures</u>	Nursery Objectives for Year	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Design	Explore different materials, using all their senses to investigate them. Manipulate and play with different materials. Use their imagination as they consider what they can do with different materials. Make simple models which express their ideas Explore different materials freely, to develop their ideas	<ul> <li>Making verbal plans and material choices.</li> <li>Developing a junk model.</li> <li>Designing a junk model.</li> <li>Using knowledge from exploration to inform design.</li> </ul>	<ul> <li>Learning the importance of a clear design criteria.</li> <li>Including individual preferences and requirements in a design.</li> </ul>	<ul> <li>Generating and communicating ideas using sketching and modelling.</li> <li>Learning about different types of structures, found in the natural world and in everyday objects.</li> </ul>	<ul> <li>Designing a castle with key features to appeal to a specific person/purpose.</li> <li>Drawing and labelling a castle design using 2D shapes, labelling: -the 3D shapes that will create the features - materials needed and colours.</li> <li>Designing and/or decorating a castle tower on CAD software</li> </ul>	<ul> <li>Designing a stable pavilion structure that is aesthetically pleasing and selecting materials to create a desired effect</li> <li>Building frame structures designed to support weight.</li> </ul>		• Designing a playground featuring a variety of different structures, giving careful consideration to how the structures will be used, considering effective and ineffective designs.	
Make	<ul> <li>about how to use them and what to make.</li> <li>Develop their own ideas and then decide which materials to use to express them.</li> <li>Join different materials and explore different textures</li> </ul>	<ul> <li>Improving fine motor/scissor skills with a variety of materials.</li> <li>Joining materials in a variety of ways (temporary and permanent).</li> <li>Joining different materials together.</li> <li>Describing their junk model, and how they intend to put it together.</li> </ul>	<ul> <li>Making stable structures from card, tape and glue.</li> <li>Learning how to turn 2D nets into 3D structures.</li> <li>Following instructions to cut and assemble the supporting structure of a windmill.</li> <li>Making functioning turbines and axles which are assembled into a main supporting structure.</li> </ul>	<ul> <li>Making a structure according to design criteria.</li> <li>Creating joints and structures from paper/card and tape.</li> <li>Building a strong and stiff structure by folding paper.</li> </ul>	<ul> <li>Constructing a range of 3D geometric shapes using nets.</li> <li>Creating special features for individual designs.</li> <li>Making facades from a range of recycled materials.</li> </ul>	<ul> <li>Creating a range of different shaped frame structures.</li> <li>Making a variety of free standing frame structures of different shapes and sizes.</li> <li>Selecting appropriate materials to build a strong structure and cladding.</li> <li>Reinforcing corners to strengthen a structure.</li> <li>Creating a design in accordance with a plan.</li> <li>Learning to create different textural effects with materials</li> </ul>		<ul> <li>Building a range of play apparatus structures drawing upon new and prior knowledge of structures.</li> <li>Measuring, marking and cutting wood to create a range of structures.</li> <li>Using a range of materials to reinforce and add decoration to structures.</li> </ul>	
Evaluate		• Giving a verbal evaluation of their own and others' junk models with adult support.	• Evaluating a windmill according to the design criteria, testing whether the structure is strong and stable and altering it if it isn't	<ul> <li>Exploring the features of structures.</li> <li>Comparing the stability of different shapes.</li> </ul>	• Evaluating own work and the work of others based on the aesthetic of the finished product and in comparison to the original design.	<ul> <li>Evaluating structures made by the class.</li> <li>Describing what characteristics of a design and</li> </ul>		• Improving a design plan based on peer evaluation.	





		<ul> <li>Checking to see if their model matches their plan.</li> <li>Considering what they would do differently if they were to do it again.</li> <li>Describing their favourite and least favourite part of their model.</li> <li>Making predictions about, and evaluating different materials.</li> <li>Testing their</li> </ul>	Suggest points for improvements	<ul> <li>Testing the strength of own structures.</li> <li>Identifying the weakest part of a structure.</li> <li>Evaluating the strength, stiffness and stability of own structure.</li> </ul>	• Suggesting points for modification of the individual designs.	construction made it the most effective. • Considering effective and ineffective designs.		<ul> <li>Testing and adapting a design to improve it as it is developed.</li> <li>Identifying what makes a successful structure.</li> </ul>
<u>Mechanisms</u> Design	Nursery	design and reflecting on what could have been done differently.	S Year 1	KILLS – Design & Year 2 • Selecting a suitable linkage system to produce the desired	Technology Year 3	Year 4         • Designing a shape that reduces air resistance.	Year 5         • Designing a pop-up book which uses a mixture of structures	Year 6

<u>Mechanisms</u>	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design				• Selecting a suitable linkage system to		• Designing a shape that reduces air	• Designing a pop-up book which uses a	
				produce the desired motion.		<ul><li>resistance.</li><li>Drawing a net to</li></ul>	mixture of structures and mechanisms.	
				• Designing a wheel.		create a structure from.	• Naming each mechanism, input and	
				• Creating a class design criteria for a		• Choosing shapes	output accurately.	
				<ul><li>moving monster.</li><li>Designing a moving</li></ul>		that increase or decrease speed as a result of air	• Storyboarding ideas for a book.	
				monster for a specific audience in accordance		resistance.		
				with a design criteria.		• Personalising a design.		





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Make			<ul> <li>Selecting materials</li> </ul>		<ul> <li>Measuring, marking,</li> </ul>	• Foll
			according to their		cutting and assembling	brief
			characteristics.		with increasing	book,
			<ul> <li>Following a design</li> </ul>		accuracy.	focus
			brief.		<ul> <li>Making a model</li> </ul>	• Ma
			<ul> <li>Making linkages using</li> </ul>		based on a chosen	and/o
			card for levers and split		design.	slider
			pins for pivots.			to pro
			<ul> <li>Experimenting with</li> </ul>			• Usir
			linkages adjusting the			space
			widths, lengths and			worki
			thicknesses of card used.			parts
			<ul> <li>Cutting and assembling</li> </ul>			aesth
			components neatly.			result
Evaluate			Evaluating different		• Evaluating the speed	• Eva
			designs. • Testing and		of a final product	of oth
			adapting a design.		based on: the effect of	recei
			1 6 8 8		shape on speed and	own
			<ul> <li>Evaluating own</li> </ul>		the accuracy of	
			designs against design		workmanship on	• Su
			criteria.		performance.	for in
			erneria.		periormanee.	
			• Using peer feedback			
			to modify a final			
			design.			

	SKILLS – Design & Technology							
Electrical Systems	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design						• Designing a torch, giving consideration to the target audience and creating both design and success criteria focusing on features of individual design ideas.	<ul> <li>Identifying factors that could be changed on existing products and explaining how these would alter the form and function of the product.</li> <li>Developing design criteria based on findings from</li> </ul>	







				<ul> <li>invest production</li> <li>Devent</li> <li>Devent</li> <li>Criteri</li> <li>the tan</li> </ul>
Make			<ul> <li>Making a torch with a working electrical circuit and switch.</li> <li>Using appropriate equipment to cut and attach materials.</li> <li>Assembling a torch according to the design and success criteria.</li> </ul>	<ul> <li>Alter form a tinkeri configu</li> <li>Maki series incorp</li> <li>Cons produc consid design</li> <li>Brea construinto stu others produce</li> </ul>
Evaluate			<ul> <li>Evaluating electrical products.</li> <li>Testing and evaluating the success of a final product.</li> </ul>	<ul> <li>Carr analys purpo along streng weakr</li> <li>Dete parts of affect which form.</li> <li>Ana chang config positiv negati existin</li> </ul>





stigating existing ucts.	
veloping design ria that clarifies arget user.	
ering a product's and function by ring with its guration. king a functional s circuit, porating a motor. nstructing a uct with ideration for the gn criteria. eaking down the truction process steps so that rs can make the uct.	
rry out a product ysis to look at the ose of a product g with its ogths and knesses.	
termining which of a product of its function and oh parts affect its	
nalysing whether ges in iguration tively or tively affect an ing product.	



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SKILLS – Design & Technology									
<u>Cooking &amp;</u> <u>Nutrition</u>	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Design			• Designing smoothie carton packaging by- hand or on ICT software.		• Creating a healthy and nutritious recipe for a savoury tart using seasonal ingredients, considering the taste, texture, smell and appearance of the dish.		<ul> <li>Adapting a traditional recipe, understanding that the nutritional value of a recipe alters if you remove, substitute or add additional ingredients.</li> <li>Writing an amended method for a recipe to incorporate the relevant changes to ingredients.</li> <li>Designing appealing packaging to reflect a recipe.</li> </ul>		
Make			<ul> <li>Chopping fruit and vegetables safely to make a smoothie.</li> <li>Identifying if a food is a fruit or a vegetable.</li> <li>Learning where and how fruits and vegetables grow.</li> </ul>		<ul> <li>Knowing how to prepare themselves and a work space to cook safely in, learning the basic rules to avoid food contamination.</li> <li>Following the instructions within a recipe.</li> </ul>		<ul> <li>Cutting and preparing vegetables safely.</li> <li>Using equipment safely, including knives, hot pans and hobs.</li> <li>Knowing how to avoid cross-contamination.</li> <li>Following a step by step method carefully to make a recipe.</li> </ul>		





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structions to
l a product.



Evaluate	Tasting and	Establishing and	• Iden
	evaluating different	using design criteria to	nutrit
	food combinations.	help test and review	betwe
		dishes.	produ
	Describing		• Iden
	appearance, smell and	• Describing the	descri
	taste.	benefits of seasonal	benef
		fruits and vegetables	group
	Suggesting	and the impact on the	
	information to be	environment.	
	included on packaging.		
		Suggesting points for	
		improvement when	
		making a seasonal tart.	

	SKILLS – Design & Technology								
Textiles	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Design		<ul> <li>Discussing what a good design needs.</li> <li>Designing a simple pattern with paper.</li> <li>Designing a bookmark.</li> <li>Choosing from available materials.</li> </ul>	• Using a template to create a design for a puppet.					<ul> <li>Designing a waistcoat in accordance to a specification linked to set of design criteria.</li> <li>Annotating designs, to explain their decisions.</li> </ul>	
Make		<ul> <li>Developing fine motor/cutting skills with scissors.</li> <li>Exploring fine motor/threading and weaving (under,</li> </ul>	<ul> <li>Cutting fabric neatly with scissors.</li> <li>Using joining methods to decorate a puppet.</li> <li>Sequencing the steps taken during construction.</li> </ul>					<ul> <li>Using a template when cutting fabric to ensure they achieve the correct shape.</li> <li>Using pins effectively to secure a template to</li> </ul>	



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tional differences	
een different	
ucts and recipes.	
ntifying and	
ribing healthy	
fits of food	
ps.	



y				
	over technique) with a variety of materials.			
	• Using a prepared needle and wool to practise threading.			
Evaluate	• Reflecting on a	• Reflecting on a		
	finished product and comparing to their design.	finished product, explaining likes and dislikes.		

	SKILLS – Design & Technology							
Digital World	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6





fabric without creases or bulges.	
• Marking and cutting fabric accurately, in accordance with their design.	
• Sewing a strong running stitch, making small, neat stitches and following the edge.	
• Tying strong knots.	
<ul> <li>Decorating a waistcoat, attaching features (such as appliqué) using thread.</li> <li>Finishing the waistcoat with a secure fastening (such as buttons).</li> <li>Learning different decorative stitches.</li> <li>Sewing accurately with evenly spaced, neat stitches.</li> </ul>	
• Reflecting on their work continually throughout the design, make and evaluate process.	



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Design			<ul> <li>Problem solving by suggesting which features on a Micro:bit might be useful and justifying my ideas.</li> <li>Drawing and manipulating 2D shapes, using computer-aided design, to produce a point of sale badge.</li> <li>Developing design ideas through annotated sketches to create a product concept.</li> <li>Developing design criteria to respond to a design brie</li> </ul>		
Make			<ul> <li>Following a list of design requirements.</li> <li>Writing a program to control (button press) and/or monitor (sense light) that will initiate a flashing LED algorithm</li> </ul>		



<ul> <li>Writing a design brief from information submitted by a client</li> <li>Developing design criteria to fulfil the client's request</li> <li>Considering and suggesting additional functions for my navigation tool</li> <li>Developing a product idea through annotated sketches</li> <li>Placing and manoeuvring 3D objects, using CAD</li> <li>Changing the properties of, or combine one or more 3D objects, using CAD</li> <li>Considering materials</li> </ul>	
and their functional properties, especially those that are sustainable and recyclable (for example, cork and bamboo)	
• Explaining material choices and why they were chosen as part of a product concept	
• Programming an N,E, S,W cardinal compass	



Evaluate			• Analysing and evaluating wearable technology.	
			• Using feedback from peers to improve design.	



<b>D</b> 1 · · · 1
<ul> <li>Explaining how my</li> </ul>
program fits the design
criteria and how it
would be useful as part
of a navigation tool
2
Developing an
awareness of
sustainable design
• Identifying key
industries that utilise 3D
CAD modelling and
explain why
• Describing how the
product concept fits the
client's request and how
it will benefit the
customers
• Explaining the key
functions in my
program, including any
additions
• Explaining how my
program fits the design
criteria and how it
would be useful as part
of a navigation tool
• Eveloining the lass
• Explaining the key
functions and features
of my navigation tool to
the client as part of a
product concept pitch
• Demonstrating a
functional program as
part of a product
concept



		GE					
<b>Structures</b>	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	
Additional		<ul> <li>To know there are a range to different materials that can be used to make a model and that they are all slightly different.</li> <li>Making simple suggestions to fix their junk model.</li> <li>To know that 'waterproof' materials are those which do not absorb water.</li> <li>To know that</li> </ul>	<ul> <li>To understand that the shape of materials can be changed to improve the strength and stiffness of structures.</li> <li>To understand that cylinders are a strong type of structure (e.g. the main shape used for windmills and lighthouses).</li> <li>To understand that axles are used in structures and mechanisms to make parts turn in a circle.</li> <li>To begin to understand that different structures are used for different purposes.</li> <li>To know that a structure is something that has been made and put together</li> <li>To know that a client is</li> </ul>	<ul> <li>To know that shapes and structures with wide, flat bases or legs are the most stable.</li> <li>To understand that the shape of a structure affects its strength.</li> <li>To know that materials can be manipulated to improve strength and stiffness.</li> <li>To know that a structure is something which has been formed or made from parts.</li> <li>To know that a 'stable' structure is one which is firmly fixed and unlikely to change or move.</li> <li>To know that a 'strong' structure is one which does not break easily.</li> <li>To know that a 'stiff' structure or material is one which does not bend easily</li> <li>To know that natural</li> </ul>	<ul> <li>To understand that wide and flat based objects are more stable.</li> <li>To understand the importance of strength and stiffness in structures.</li> </ul>	<ul> <li>To understand what a frame structure is.</li> <li>To know that a 'free-standing' structure is one which can stand on its own.</li> <li>To know that a</li> </ul>	
Additional		• To know that some objects float and others sink.	<ul> <li>To know that a client is the person I am designing for.</li> <li>To know that design criteria is a list of points to ensure the product</li> </ul>	<ul> <li>To know that hatural structures are those found in nature.</li> <li>To know that manmade structures are those made by people.</li> </ul>	features of a castle: flags, towers, battlements, turrets, curtain walls, moat, drawbridge and gatehouse - and their purpose.	<ul> <li>To know that a pavilion is a a decorative building or structure for leisure activities.</li> <li>To know that cladding can be applied</li> </ul>	

## KNOWLEDGE



Year 5	Year 6
Year 5	Year 6 • To know that structures can be strengthened by manipulating materials and shapes.
	<ul> <li>To understand what a 'footprint plan' is.</li> <li>To understand that in the real world, design , can impact users in</li> </ul>



•					
	• To know the	meets the clients needs	<ul> <li>To know that a façade</li> </ul>	to structures for	
	different parts of a	and wants.	is the front of a	different effects.	
	boat.	<ul> <li>To know that a</li> </ul>	structure.	<ul> <li>To know that</li> </ul>	
		windmill harnesses the	<ul> <li>To understand that a</li> </ul>	aesthetics are how a	
		power of wind for a	castle needed to be	product looks.	
		purpose like grinding	strong and stable to	<ul> <li>To know that a</li> </ul>	
		grain, pumping water or	withstand enemy attack.	product's function	
		generating electricity.	• To know that a paper	means its purpose.	
		<ul> <li>To know that windmill</li> </ul>	net is a flat 2D shape that	<ul> <li>To understand that</li> </ul>	
		turbines use wind to turn	can become a 3D shape	the target audience	
		and make the machines	once assembled.	means the person or	
		inside work.	<ul> <li>To know that a design</li> </ul>	group of people a	
		<ul> <li>To know that a</li> </ul>	specification is a list of	product is designed for.	
		windmill is a structure	success criteria for a	• To know that	
		with sails that are moved	product.	architects consider	
		by the wind.	•	light, shadow and	
		• To know the three		patterns when	
		main parts of a windmill		designing.	
		are the turbine, axle and			
		structure.			
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	KNOWLEDGE									
<u>Mechanisms</u>	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Technical				<ul> <li>To know that different materials have different properties and are therefore suitable for different uses.</li> <li>To know that mechanisms are a collection of moving parts that work together as a machine to produce movement.</li> <li>To know that there is always an input and output in a mechanism.</li> <li>To know that an input is the energy that is used to start something working.</li> </ul>		<ul> <li>To understand that all moving things have kinetic energy.</li> <li>To understand that kinetic energy is the energy that something (object/person) has by being in motion.</li> <li>To know that air resistance is the level of drag on an object as it is forced through the air.</li> <li>To understand that the shape of a moving object will affect how</li> </ul>	<ul> <li>To know that mechanisms control movement.</li> <li>To understand that mechanisms can be used to change one kind of motion into another.</li> <li>To understand how to use sliders, pivots and folds to create paper-based mechanisms.</li> </ul>			



positive and negative ways.
To know that a prototype is a cheap model to test a design idea.



	 •	•		•		•
			<ul> <li>To know that an output is the movement that happens as a result of the input.</li> <li>To know that a lever is something that turns on a pivot.</li> <li>To know that a linkage mechanism is made up of a series of levers.</li> </ul>		it moves due to air resistance.	
Additional			<ul> <li>To know the features of a ferris wheel include the wheel, frame, pods, a base an axle and an axle holder.</li> <li>To know that it is important to test my design as I go along so that I can solve any problems that may occur.</li> <li>To know some real-life objects that contain mechanisms.</li> </ul>		<ul> <li>To understand that products change and evolve over time.</li> <li>To know that aesthetics means how an object or product looks in design and technology.</li> <li>To know that a template is a stencil you can use to help you draw the same shape accurately.</li> <li>To know that a birds- eye view means a view from a high angle (as if a bird in flight).</li> <li>To know that graphics are images which are designed to explain or advertise something.</li> <li>To know that it is important to assess and evaluate design ideas and models against a list of design criteria.</li> </ul>	<ul> <li>To kn brief is what I a design i</li> <li>To kn designe hide mo make a aesthet</li> </ul>



know that a design is a description of I am going to n and make. know that ners often want to mechanisms to a product more setically pleasing.	



	KNOWLEDGE									
Electrical Systems	Nursery	Reception	Year 1	Year 2	Year 3	Year 4				
Technical						<ul> <li>To understand that electrical conductors are materials which electricity can pass through.</li> <li>To understand that electrical insulators are materials which electricity cannot pass through.</li> <li>To know that a battery contains stored electricity that can be used to power products.</li> <li>To know that an electrical circuit must be complete for electricity to flow.</li> <li>To know that a switch can be used to complete and break an electrical circuit.</li> </ul>	<ul> <li>To kn circuits direction electric electric composition for the series of composition for the mospin.</li> <li>To k motori one wh motor is a series of the series of the mospin.</li> </ul>			
Additional						<ul> <li>To know the features of a torch: case, contacts, batteries, switch, reflector, lamp, lens.</li> <li>To know facts from the history and invention of the electric light bulb(s) - by Sir Joseph Swan and Thomas Edison.</li> </ul>	<ul> <li>To kn analysis strengt weakne product</li> <li>To kn 'configu how the product</li> </ul>			



Year 5	Year 6
know that series hits only have one ction for the ricity to flow.	
<ul> <li>know when</li> <li>is a break in a</li> <li>is circuit, all</li> <li>ponents turn off. •</li> <li>now that an</li> <li>ric motor</li> <li>rerts electrical</li> <li>gy into rotational</li> <li>ement, causing</li> <li>notor's axle to</li> </ul>	
know that product vsis is critiquing the ogths and cnesses of a uct. know that figuration' means the parts of a uct are arranged.	



	KNOWLEDGE								
<u>Cooking &amp;</u> <u>Nutrition</u>	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Technical			Understanding the		• To know that not all		To understand		
			difference between		fruits and vegetables		where meat comes		
			fruits and vegetables.		can be grown in the		from - learning that		
					UK.		beef is from cattle and		
			• To understand that				how beef is reared		
			some foods typically		• To know that climate		and processed,		
			known as vegetables		affects food growth.		including key welfare		
			are actually fruits (e.g.				issues.		
			cucumber).		• To know that		To be one that I can		
			• To know that a		vegetables and fruit grow in certain		• To know that I can		
			blender is a machine		seasons.		adapt a recipe to make it healthier by		
			which mixes		seasons.		substituting		
			ingredients together		• To know that cooking		ingredients.		
			into a smooth liquid.		instructions are known		ingreatents.		
			into a sinooan nquia.		as a 'recipe'.		• To know that I can		
			• To know that a fruit		and a construction of the second seco		use a nutritional		
			has seeds and a		• To know that		calculator to see how		
			vegetable does not.		imported food is food		healthy a food option		
					which has been brought		is.		
			• To know that fruits		into the country.				
			grow on trees or vines.				• To understand that		
			• To know that		• To know that		'cross-contamination'		
			vegetables can grow		exported food is food		means bacteria and		
			either above or below		which has been sent to		germs have been		
			ground.		another country		passed onto ready-to-		
					T 1 4 141 4		eat foods and it		
			• To know that		• To understand that		happens when these		
			vegetables can come from different parts of		imported foods travel		foods mix with raw meat or unclean		
			the plant (e.g. roots:		from far away and this can negatively impact		objects.		
			potatoes, leaves:		the environment.		objects.		
			lettuce, fruit:		the environment.				
			cucumber).		• To know that each				
					fruit and vegetable				
					gives us nutritional				
					benefits because they				
					contain vitamins,				
					minerals and fibre.				
					• To understand that				
					vitamins, minerals and				





		fibre are important for energy, growth and maintaining health. • To know safety rules for using, storing and cleaning a knife safely. • To know that similar coloured fruits and vegetables often have similar nutritional benefits.	
Additional			

	KNOWLEDGE								
<u>Textiles</u>	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Technical		<ul> <li>To know that a design is a way of planning our idea before we start.</li> <li>To know that threading is putting one material through an object.</li> </ul>	<ul> <li>To know that 'joining technique' means connecting two pieces of material together.</li> <li>To know that there are various temporary methods of joining fabric by using staples. glue or pins.</li> <li>To understand that different techniques for joining materials can be used for different purposes.</li> <li>To understand that a template (or fabric</li> </ul>					<ul> <li>To understand that it is important to design clothing with the client/ target customer in mind.</li> <li>To know that using a template (or clothing pattern) helps to accurately mark out a design on fabric.</li> <li>To understand the importance of consistently sized stitches</li> </ul>	





		pattern) is used to cut out the same shape multiple times.			
		• To know that drawing a design idea is useful to see how an idea will look.			
Additional					

	KNOWLEDGE								
Digital World	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Technical					<ul> <li>To understand that, in programming, a 'loop' is code that repeats something again and again until stopped.</li> <li>To know that a Micro:bit is a pocket-sized, codeable computer.</li> <li>To know that a simulator is able to replicate the functions of an existing piece of technology.</li> </ul>			<ul> <li>To know that accelerometers can detect movement</li> <li>To understand that sensors can be useful in products as they mean the product can function without human input</li> </ul>	
Additional					•To know what the 'Digital Revolution' is and features of some of the products that have evolved as a result.			• To know that designers write design briefs and develop design criteria to enable them to fulfil a client's	





To understand what is	request • To know that
meant by 'point of sale	'multifunctional' means
display.'	an object or product has
To know that CAD	more than one function
stands for 'Computer-	• To know that
aided design'.	magnetometers are
To know what a focus	devices that measure the
group is by taking part in	Earth's magnetic field
one.	to determine which
	direction you are facing

