

	Nursery	Reception	Year 1	Year 2	End of Key Stage 1
Structures	Nursery Discuss routes and locations, using words like 'in front of' and 'behind'. Make comparisons between objects relating to size, length, weight and capacity. Select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc. Combine shapes to make new ones – an arch, a bigger triangle, etc. Make imaginative and complex 'small worlds' with blocks and construction kits, such as a city with different buildings and a park.	ReceptionHave daily opportunities to make their own creations using a wide range of different materials, fixings and tools which are freely available in continuous provision.Are encouraged to talk about what they would like to make, how they will do it and what they think about it when it is finished.Are encouraged to evaluate what they have made and make changes as appropriate.Select, rotate and manipulate shapes to develop spatial reasoning skills.Compose and decompose shapes so that children recognise a shape can have	Year 1 Learning the importance of a clear design criteria. Including individual preferences and requirements in a design. Making stable structures from card, tape and glue. Learning how to turn 2D nets into 3D structures. Following instructions to cut and assemble the supporting structure of a windmill. Making functioning turbines and axles which are assembled into a main supporting structure. To understand that the shape of materials can be changed to improve the strength and stiffness of structures	Year 2 Generating and communicating ideas using sketching and modelling. Learning about different types of structures, found in the natural world and in everyday objects. Making a structure according to design criteria. Creating joints and structures from paper/card and tape. Building a strong and stiff structure by folding paper. Exploring the features of structures. Comparing the stability of different shapes	End of Key Stage 1 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
		other shapes within it, just as numbers can.	To understand that cylinders	Testing the strength of	and other users based on design criteria;



are a strong type of structure (e.g. the main shape used for windmills and lighthouses).own structures.To understand that axles are used in structures and mechanisms to make parts turn in a circle.own structures.	generate, develop, mode and communicate their ideas through talking, drawing, templates, mock- ups and, where appropriate, information and communication technology.
To begin to understand that different structures are used for different purposes. To know that a structure is something that has been made and put together. To know that a client is the	Make: select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing];
person I am designing for. To know that design criteria is a list of points to ensure the product meets the clients needs and wants. To know that a windmill harnesses the power of wind for a purpose like grinding	select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics. Evaluate:



grain, pumping water or	explore and evaluate a
generating electricity.	evaluate their ideas and
To know that windmill	products against design
turbines use wind to turn and	criteria Technical
make the machines inside	knowledge;
WOFK.	build structures, synlaring
To know that a windmill is a	bow they can be made
structure with sails that are	stronger stiffer and more
moved by the wind.	stable;
To know the three main parts	explore and use
of a windmill are the turbine, axle and structure.	mechanisms [for example,



Mechanisms / Mechanical Systems	resources to carry out their own plan. For example, choosing a spade to enlarge a small hole they dug with a trowel. Use one-handed tools and equipment, for example, making snips in paper with scissors.	 Are tauge of small tools, paintbrushes and cutlery. Are taught how to use tools such as scissors, hole punch, string, sellotape, cutters etc. Have daily opportunities to make their own creations using a wide range of different materials, fixings and tools which are freely available in continuous provision. Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen. 	 Explaining now to adapt mechanisms, using bridges or guides to control the movement. Designing a moving story book for a given audience. Following a design to create moving models that use levers and sliders. Testing a finished product, seeing whether it moves as planned and if not, explaining why and how it can be fixed. Reviewing the success of a product by testing it with its intended audience. To know that a mechanism is the parts of an object that move together. To know that a slider mechanism moves an object from side to side 	 criteria for a moving monster. Designing a moving monster for a specific audience in accordance with a design criteria. Making linkages using card for levers and split pins for pivots. Experimenting with linkages adjusting the widths, lengths andthicknesses of card used. Cutting and assembling components neatly. Evaluating own designs against design criteria. Using peer feedback to modify a final design. 	axles], in their products.
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To kr mech from To kr guide purpo move To kr techn 'desig	know that a slider chanism moves an object in side to side. know that a slider chanism has a slider, s, guides and object. know that bridges and les are bits of card that posefully restrict the vement of the slider. know that in Design and anology we call a plan a lign'.	To know that mechanisms are a collection of moving parts that work together as a machine to produce movement. To know that there is always an input and output in a mechanism. To know that an input is the energy that is used to start something working. To know that an output is the movement that happens as a result of the input. To know that a lever is something that turns on a pivot. To know that a linkage mechanism is made up of a series of levers.	
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Yee encouraged to talk about what they would like to make, how they will do it and what they think about it when it is finished. Designing a healthy wrap based on a food combination which work well together. As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating a propriate. Learn about being healthy, including eating a range of foods and taking part in exercise. Describing the taste, texture and small of fruit and vegetables. Ise testing food combination which work well together. Ise arrois of human creativity. Describing the taste, texture and small of fruit and vegetables. Describing the taste, texture and small of fruit and vegetables. Ise testing food combinations and final products. Pupils should be taught to: -use the basic principles of a label. Describing the information that should be included on a label. Describing the information that should be included on a label. Pupils should be taught to: -use the basic principles of a healthy and varied diet to prepare dishes;				
the food and drink that a	Cooking & Nutrition	Are encouraged to talk about what they would like to make, how they will do it and what they think about it when it is finished. Are encouraged to evaluate what they have made and make changes as appropriate. Learn about being healthy, including eating a range of foods and taking part in exercise.	Designing a healthy wrap based on a food combination which work well together. Slicing food safely using the bridge or claw grip. Constructing a wrap that meets a design brief. Describing the taste, texture and smell of fruit and vegetables. Taste testing food combinations and final products. Describing the information that should be included on a label. Evaluating which grip was most effective.	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: -use the basic principles of a healthy and varied diet to prepare dishes; -understand where food comes from.
			the food and drink that a	



person or animal usually eats.
To understand what makes a balanced diet.
To know where to find the nutritional information on packaging.
To know that the five main food groups are: Carbohydrates, fruits and vegetables, protein, dairy and foods high in fat and sugar.
To understand that I should eat a range of different foods from each food group, and roughly how much of each food group.
To know that nutrients are substances in food that all living things need to make energy, grow and develop.



To know that 'ingredients' means the items in a mixture or recipe.
To know that I should only have a maximum of five teaspoons of sugar a day to stay healthy.
To know that many food and drinks we do not expect to contain sugar do; we call these 'hidden sugars'.



	Be increasingly	Have daily access to a range	Using a template to create a	
	independent as they get	of media and materials eg	design for a puppet.	
	dressed and undressed,	different types of paper,		
	for example, putting coats	varying thickness/hardness of	Cutting fabric neatly with	
	on and doing up zips.	pencils, thick and thin	scissors.	
		brushes, paint, paint sticks,		
	Talk about and identify the	pastels etc. in continuous	Using joining methods to	
	patterns around them. For	provision.	decorate a puppet.	
	example: stripes on			
	clothes, designs on rugs	Make use of props and	Sequencing steps for	
	and wallpaper. Use	materials when role playing	construction.	
	informal language like	characters in narratives and		
S	'pointy', 'spotty', 'blobs',	stories.	Reflecting on a finished	
ile	etc.		product, explaining likes and	
xt		Join different materials and	dislikes.	
Ð.	Explore different materials	explore different textures.		
	freely, to develop their		To know that 'joining	
	ideas about how to use		technique' means	
	them and what to make.		connecting two pieces of	
			material together.	
			To know that there are	
			various temporary methods	
			of joining fabric by using	
			staples. glue or pins.	
			To understand that different	
			techquies for joining	
			materials can be used for	



			 different purposes. To understand that a template (or fabric 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. 		
Key vocabulary	In front of / Behind Size / Big / Small Long / Short Heavy / Light Shape / Circle Square /Triangle Arch / Blocks Scissors / Cut Safe / Join / Glue Names of common food, fruit, vegetable Healthy / Unhealthy Material / Soft Pointy / Spotty Blobs / Stripes Spots / Shiny	Make / Join / Stick Cut / Bend / Slot Smooth / Bendy / Bumpy Scissors / Blades / Handle Snip / Squeeze / Thumb Fingers / Elbow bubble wrap / Cooked pasta Tin foil / Playdough Straws / Lift Measure/ Bigger Shorter / Longer / Taller Thicker / Rough / Smooth Paper clip / Rubber band Bottle top Temporary / Permanent Materials Push / Pull / Break Separate / Fix Tools / Rotate	Axle / Bridge Design / Design criteria Model / Net / Packaging Structure / Template Unstable / Stable / Net Strong / Weak /Sliders Mechanisms / Adapt Input / Model / Sliders / Template Assemble /Test Design / Equipment Glue / Inspiration Method / Safety pin Technique / Template Fabric	Design criteria Man-made, / Natural Properties / Structure Stable / Shape / Model Test / Mechanisms Axle / Input / Linkage Mechanical / Output Pivot / Wheel Balanced diet/ Balance Carbohydrate Dairy / Fruit Ingredients / Oils Sugar / Protein Vegetable / Dairy / Diet	



	Year 3	Year 4	Year 5	Year 6	End of Key Stage 2
Structures		Designing a stable pavilion structure that is aesthetically pleasing and selecting materials to create a desired effect. Building frame structures designed to support weight Creating a range of different shaped frame structures. Making a variety of free standing frame structures of different shapes and sizes. Selecting appropriate materials to build a strong structure and for the cladding. Reinforcing corners to strengthen a structure. Creating a design in accordance with a plan.		Designing a playground featuring a variety of different structures, giving careful consideration to how the structures will be used, considering effective and ineffective designs. Building a range of play apparatus structures drawing upon new and prior knowledge of structures. Measuring, marking and cutting wood to create a range of structures. Using a range of materials to reinforce and add decoration to structures. Improving a design plan based on peer evaluation. Testing and adapting a design to improve it as it is	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
		Leanning to create unrelent		uevelopeu.	



textural effects with materials.	Identifying what makes a	purpose, aimed at
	successful structure.	particular individuals or
Evaluating structures made		groups;
by the class.	To know that structures	
	can be strengthened by	generate, develop, model
Describing what	manipulating materials	and communicate their
characteristics of a design	and shapes.	ideas through discussion,
and construction made it the		annotated sketches, cross-
most effective.		sectional and exploded
		diagrams, prototypes,
Considering effective and		pattern pieces and
ineffective designs.		computer-aided design
To us denote a doublet o frame		Malaa
To understand what a frame		Маке:
structure is.		adapt from and use a wider
To know that a first standing'		select from and use a wider
I O KNOW that a Tree-standing		range of tools and
structure is one which can		equipment to perform
stand on its own.		practical tasks [for



	Designing a toy which	Designing a pop-up book	example, cutting, shaping,
	uses a pneumatic system.	which uses a mixture of	joining and finishing],
		structures and mechanisms.	accurately;
	Developing design criteria		
	from a design brief.	Naming each mechanism.	select from and use a wider
		input and output accurately.	range of materials and
	Generating ideas using		components, including
	thumbnail sketches and	Storyboarding ideas for a	construction materials
	exploded diagrams	book	textiles and ingredients
	exploted diagrams.	book.	according to their functional
	Learning that different	Follow a design brief to make	properties and aesthetic
S	types of drawings are	a pop up book postly and	qualities and acsinetic
Ľ	used in design to explain	with focus on accuracy	qualities.
Ц.	idean clearly	with focus of accuracy.	Evoluctor
Ľ	ideas cleany.	Making machanisma and/or	Evaluale.
a	Creating a provincia		investigate and analyze a
5 C	Creating a pneumatic	structures using sliders,	Investigate and analyse a
ĕ	system to create a desired	pivots and folds to produce	range of existing products
\geq	motion.	movement.	evaluate their ideas and
	_		products against their own
	Building secure housing	Using layers and spacers to	design criteria and consider
	for a pneumatic system.	hide the workings of	the views of others to
		mechanical parts for an	improve their work;
	Using syringes and	aesthetically pleasing result.	
	balloons to create		understand how key events
	different types of	Evaluating the work of others	and individuals in design
	pneumatic systems to	and receiving feedback on	and technology have
	make a functional and	own work.	helped shape the world.
	appealing pneumatic toy.		
			Technical knowledge:



Selecting materials due to	Suggesting points for	
their functional and	improvement.	apply their understanding
aesthetic characteristic.	•	of how to strengthen. stiffen
	To know that mechanisms	and reinforce more
Manipulating materials to	control movement	complex structures:
create different effects by	control movement.	complex structures,
cutting crossing folding	To understand that	understand and use
cutting, creasing, roluing,	TO UNDERSIGNUTIAL	machanical avetama in their
weaving.	mechanisms that can be	mechanical systems in their
	used to change one kind of	products [for example,
Using the views of others	motion into another.	gears, pulleys, cams,
to improve designs.		levers and linkages];
	To understand how to use	
Testing and modifying the	sliders, pivots and folds to	understand and use
outcome, suggesting	create paper-based	electrical systems in their
improvements.	mechanisms.	products [for example,
		series circuits incorporating
Understanding the		switches, bulbs, buzzers
purpose of exploded-		and motors];
diagrams through the		-
eves of a designer and		apply their understanding
their client.		of computing to program.
		monitor and control their
To understand how		products
pneumatic systems work		
priodinatio bysterne werk.		
To understand that		
nneumatic systems can		
bougod as part of a		
mochanicm		



To know that pneumatic		
systems operate by		
drawing in, releasing and		
compressing air.		



utrition	Designing a biscuit within a given budget, drawing upon previous taste testing. Following a baking recipe. Cooking safely, following basic hygiene rules. Adapting a recipe. Evaluating a recipe,	Writing a recipe, explaining the key steps, method and ingredients. Including facts and drawings from research undertaken. Following a recipe, including using the correct quantities of each ingredient.	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.
200	ingredients. Evaluating and comparing a range of products.	timescale. Working safely and hygienically with	well, now and in later life. Pupils should be taught to: understand and apply the
	Suggesting modifications.	Evaluating a recipe,	principles of a healthy and varied diet;
	an ingredient in a recipe is known as the 'quantity'.	texture and origin of the food group.	of predominantly savoury dishes using a range of cooking techniques;



To kr use o remo oven To kr cook crear coolii To ur impo while biscu	now that it is important to oven gloves when oving hot food from an h. now the following king techniques: sieving, ming, rubbing method, ing. nderstand the ortance of budgeting e planning ingredients for uits.	Taste testing and scoring final products. Suggesting and writing up points of improvements in productions. Evaluating health and safety in production to minimise cross contamination. To know that 'flavour' is how a food or drink tastes. To know that many countries have 'national dishes' which are recipes associated with that country. To know that 'processed	understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.
		To know that 'processed food' means food that has been put through multiple changes in a factory.	
		To understand that it is important to wash fruit and vegetables before eating	



	to remove any dirt and insecticides.	
	To understand what happens to a certain food before it appears on the supermarket shelf (Farm to Fork).	



	Writing design criteria for a product, articulating decisions	Designing a waistcoat in accordance to	
	made.	specification linked to set	
		of design criteria to fit a	
	book sleeve.	specific theme.	
		Annotating designs.	
	Making and testing a paper		
	template with accuracy and in	Using a template when	
	criteria.	pinning panels onto fabric.	
		Marking and cutting fabric	
S	Measuring, marking and	accurately, in accordance	
tile	cutting fabric using a paper	with a design.	
С Х	tompiato.	Sewing a strong running	
F	Selecting a stitch style to join	stitch, making small, neat	
	fabric, working neatly sewing	stitches and following the	
	small neat stitches.	edge.	
	Incorporating fastening to a	Tying strong knots.	
	design.		
	Testing and evoluting on	Decorating a waistcoat -	
	ord product against the	allaching objects using	
		secure fastening	
	onginar acoign ontena.	source rasterning.	
	Deciding how many of the	Learning different	
	criteria should be met for the	decorative stitches.	



product to be considered successful.		Sewing accurately with even regularity of stitches.	
Suggesting modifications fo improvement.		Evaluating work continually as it is created.	
Articulating the advantages and disadvantages of different fastening types. To know that a fastening is		To understand that it is important to design clothing with the client/target customer in mind.	
something which holds two pieces of material together for example a zipper, toggle button, press stud and Velcro.		To know that using a template (or clothing pattern) helps to accurately mark out a design on fabric.	
To know that different fastening types are useful fo different purposes.	r	To understand the importance of consistently sized stitches.	
To know that creating a mod up (prototype) of their desig is useful for checking ideas and proportions.	k I		



	Problem solving by	Researching (books, internet)	
	suggesting potential	for a particular (user's)	
	features on a Micro: bit	animal's needs.	
	and justifying my ideas.		
		Developing design criteria	
	Developing design ideas	based on research.	
	for a technology pouch.		
	0,1	Generating multiple housing	
	Drawing and manipulating	ideas using building bricks.	
	2D shapes, using		
	computer-aided design, to	Understanding what a virtual	
σ	produce a point of sale	model is and the pros and	
DL	badge.	cons of traditional and CAD	
ž		modelling.	
2	Using a template when	·····g·	
ສ	cutting and assembling	Placing and manoeuvring 3D	
Gi	the pouch	objects using CAD	
Ĩ			
	Following a list of design	Changing the properties of	
	requirements	or combine one or more 3D	
		objects using CAD	
	Selecting and using the		
	appropriate tools and	Linderstanding the functional	
	equipment for cutting	and aesthetic properties of	
	ioining shaping and	nlastics	
	decorating a foam pouch		
	accorating a roam pouch.	Programming to monitor the	
	Applying functional	ambient temperature and	
	features such as using	coding an (audible or visual)	
	icatures such as using		



foam to create soft	alert when the temperature	
buttons.	rises above or falls below a	
	specified range.	
Analysing and evaluating		
an existing product.	Stating an event or fact from	
	the last 100 years of plastic	
Identifying the key	history	
features of a pouch	Thore y.	
reatures of a poden.	Explaining how plastic is	
To understand that in	effecting planet Forth and	
	allecting planet Earth and	
programming a loop is	suggesting ways to make	
code that repeats	more sustainable choices.	
something again and		
again until stopped.	Explaining key functions in	
	my program (audible alert,	
To know that a Micro:bit is	visuals).	
a pocket-sized, codeable		
computer.	Explaining how my product	
	would be useful for an animal	
Writing a program to	carer including programmed	
control (button press)	features.	
and/or monitor (sense		
light) that will initiate a	To know that a 'device'	
flashing I FD algorithm	means equipment created for	
	a certain purpose or iob and	
	that monitoring devices	
	observe and record	
	observe and record.	



	To know that a sensor is a tool or device that is designed to monitor, detect and respond to changes for a purpose.	
	To understand that conditional statements (and, or, if booleans) in programming are a set of rules which are followed if certain conditions are met.	



	Carry out research based	Designing an electronic	
	on a given topic (e.g. The	greetings card with a copper	
	Romans) to develop a	track circuit and components.	
	range of initial ideas.		
	0	Creating a labelled circuit	
	Generate a final design	diagram showing positive and	
	for the electric poster with	negative parts in relation to	
	consideration to the	the LED and the bettery	
	consideration to the	the LED and the battery.	
	client's needs and design	Multing designs entrain fan an	
S	criteria.	writing design criteria for an	
F		electronic greeting card.	
te	Design an electric poster		
Ś	that fits the requirements	Compiling a moodboard	
ŝ	of a given brief.	relevant to my chosen theme,	
=	-	purpose and recipient.	
g	Plan the positioning of		
гi	thebulb (circuit	Making a functional series	
t	component) and its	circuit	
Ð	purposo	chourt.	
ш	puipose.	Creating on electronice	
	Oreste a final desire for	Creating an electronics	
	Create a final design for	greeting card, reterring to a	
	the electric poster.	design criteria.	
	Mount the poster onto	Mapping out where different	
	corrugated card to	components of the circuit will	
	improve its strength and	go	
	withstand the weight of		
	the circuit on the rear.	Evaluating a peer's product	
		against design criteria and	



Measure and mark	suggesting modifications that	
materials out using a	could be made to improve the	
tomplete er ruler	reliability or costbation of it or	
	te incomparate another type of	
Fit an electrical	circuit component.	
component (bulb).		
	Stating what Sir Rowland Hill	
Learn ways to give the	invented and why it was	
final product a higher	important for greeting cards.	
quality finish (e.g. framing		
to conceal a roughly cut	Analysing and evaluating a	
edge).	range of existing greeting	
	cards.	
Learning to give and		
accept constructive	To know the key components	
criticism on own work and	used to create a functioning	
the work of others	circuit	
the work of others.		
Tosting the success of	To know that connor is a	
initial ideas against the	conductor and can be used	
design criteria and		
	as part of a circuit.	
Justifying opinions.	To supply a start of the start	
	To understand that breaks in	
Revisiting the	a circuit will stop it from	
requirements of the client	working.	
to review developing		
design ideas and check	To understand that a series	
that they fulfil their needs.	circuit only has one path for	



To understand that an electrical system is a	the electrical current to flow from positive to negative.	
group of parts (components) that work together to transport electricity around a circuit.	To know that we use symbols to represent components in a circuit diagram.	
To understand common features of an electric product (switch, battery or plug, dials, buttons etc.). To list examples of common electric products (kettle, remote control etc.).	To know the names of the components in a basic series circuit: crocodile wires, LED (light-emitting diode), battery holder, battery, cell.	
To understand that an electric product uses an electrical system to work (function).		
To know the name and appearance of a bulb, battery, battery holder and crocodile wire to build simple circuits.		



	Mechanism / Lever / Pivot	Aesthetic / Cladding	Aesthetic	Adapt / Apparatus
	Input / Output	Design criteria / Evaluation	Computer-aided design	Bench / Hook / Cladding
	Component	Frame structure / Function	(CAD) / Caption / Design	Coping saw / Design
	Linkage system	Inspiration / Pavilion	Design brief / Design criteria	Dowel / Evaluation
	Pneumatic system	Reinforce / Stable	Exploded-diagram / Function	Feedback / Idea
	Thumbnail / Sketch	Structure / Target audience	Input / Linkage / Mechanism	Jelutong / Landscape
	Research / Adapt	Target customer	Motion / Output / Pivot	Mark out / Measure
	Properties / Reinforce	Texture / Theme	Prototype / Slider / Structure	Modify / Natural materials
	Motion	Adapt / Budget	Template / Alert / Ambient	Plan view / Playground
	Smart wearables	Cooling rack / Creaming	Boolean / Consumables	Prototype / Reinforce
>	Product design	Equipment / Evaluation	Decompose / Development	Sketch / Strong
a	Digital revolution	Flavour / Ingredients	Device / Duplicate	Structure / Tenon saw
5	Technology / Analogue	Method / Net / Packaging	Durable / Electronic	Texture / User
	Digital / Feature	Prototype / Quantity	Inventor / Lightweight	Vice / Weak
ö	Function / Digital world	Recipe / Rubbing	Man-made / Manipulate	Accompaniment
9	Micro: bit	Sieving / Target audience	Manoeuvre / Microplastics	Collaboration / Cookbook
\leq	Smart wearables	Unit of measurement	Model / Monitor / Monitoring	Cross-contamination
Ð	Electronic products	Utilities / Assemble	Device / Moulded	Equipment / Farm Flavour
2	Loops / Initiate	Book sleeve	Plastic / Plastic pollution	Illustration
	Electronic / Simulator	Design criteria / Evaluation	Programming comment	Imperative-verb
	Control / Monitor	Fabric / Fastening	Programming loop	Ingredients / Method
	Sense / Template	Mock-up / Net	Reformed / Replica	Nationality / Preparation
	Develop / Fasten	Running-stitch / Stencil	Research / Sensor / Strong	Processed / Reared
	Test / User	Target audience	Sustainability / Synthetic	Recipe / Research
	Key features	Target customer /Template	Thermometer	Storyboard
	CAD (computer-aided		Thermoscope / Value	Target audience
	design)		Variable / Versatile	Top tips
	Point of sale / Display		Water-resistant / Workplane	Unit of measurement
	Badge / Stand / Net			Accurate / Adapt



Product Design requirements Layers Attract / Component Constructive-criticism Design criteria Electrostatic / Evaluation Feedback / Motion Repel Target audience	Battery / Bu Coin cell ba Componen Copper / Du Design crite Innovative / LED / Modi Switch / Ta Test / Wire	uzzer / CircuitAnnotate / DesignatteryDesign criteria / Detat / ConductorFabric / FasteningesignKnot / Propertieseria / FunctionRunning-stitch / Sea/ InsulatorSew / Shapefy / Series circuitTarget audiencerget audienceTarget customerTemplate / ThreadUnique / Waistcoat	ail m
Test		Waterproof	