

D & T Knowledge and Skills Progression

EYFS Framework

ELG: Fine Motor Skills

Use a range of small tools, including scissors, paintbrushes and cutlery.

Expressive Arts and Design

ELG: Creating with Materials

Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used.

National Curriculum

Purpose of Study

Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation..

	Designing	Making	Evaluating	Technical Knowledge	Food Technology
KS1		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 evaluate their ideas and products against design criteria.	stiffer and more stable.	Use the basic principles of a healthy and varied diet to prepare dishes understand where food comes from
KS2	Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for	practical tasks [for example, cutting, shaping, joining and finishing]. Accurately select from and use a wide range of materials and components, including construction materials, textiles	key events and individuals in design	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	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

			Reception	
ELG: Fine Motor Skills	Term	Autumn	Spring- Structures- Recyclable Model	Summer-Cooking & Nutrition
Use a range of small tools,		Textiles- Sewing a Christmas Stocking	3	3 · · · · · ·
including scissors, paint brushes and cutlery.	Key Knowledge	To know that a design is a way of planning our idea before we start. To know that threading is putting one material through an object.	 To know there are a range to different materials that can be used to make a model and that they are all slightly different. Making simple suggestions to fix their junk model. 	To know that food is ingredients To know that some foods are grown To recognise and name some common fruit and vegetables. To know that different fruit and vegetables taste different. To know that eating fruit and vegetables is good for us
Expressive Arts and Design ELG: Creating with Materials Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the processes they have used.				
	Key Skills	Design Discussing what a good design needs. • Choosing from available materials	Design • Making verbal plans and material choices. • Developing a junk model.	Design Designing our recipe as a class.
		Make Developing fine motor/cutting skills with scissors. Exploring fine motor/threading	Make Improving fine motor/scissor skills with a variety of materials. • Joining materials in a variety of ways (temporary and permanent). • Joining different materials together. • Describing their junk model, and how they intend to put it together Evaluate Giving a verbal evaluation of their own and others' junk models with adult support. • Checking to see if their model matches their plan. • Considering what they would do differently if they were to do it again. • Describing their favourite and least favourite	Make Chopping playdough safely. Chopping fruit and vegetables with support. Evaluate Tasting the food and giving opinions. Describing some of the following when tasting food: look, feel, smell and taste.
	Vocabulary	Thread, push, pull, through, under, over, up, down, pattern	part of their model. pin, stick, cut, bend, slot, smooth, bendy, bumpy	Seeds, roots, leaves, stem, plant, flower, bud, juicy, sweet, sour, dry, wet, bitter, chewy, watery

KS1 D&T End Points (NC):	Term	Autumn	Spring	Summer
To build structures, exploring how they can be	Торіс	Structures- Constructing a Windmill	Mechanisms- Moving Story Book	Cooking & Nutrition-Smoothies
made stronger, stiffer and more stable explore and use mechanisms [for example, levers, sliders, wheels and axles] in their products Design To 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, mockups and, where appropriate, information and communication technology Make To 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	Key Knowledge	for windmills and lighthouses). To understand that axles are used in structures and mechanisms to make parts turn in a circle. 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 the sails or	• To know that a mechanism is the parts of an object that move together. •To know that a slider mechanism moves ar object from side to side. • To know that a slider mechanism has a slider, slots, guides and an object. • To know that bridges and guides are bits of card that purposefully restrict the movement of the slider. Additional • To know that in Design and technology we call a plan a 'design'.	Cooking and Nutrition * To know that a blender is a machine which mixes ingredients together into a smooth liquid. * To know that a fruit has seeds. * To know that fruits grow on trees or vines. * To know that vegetables can grow either above or below ground. * To know that vegetables is any edible part of a plant (e.g. roots: potatoes, leaves: lettuce, fruit: cucumber).
Evaluate To explore and evaluate a range of existing products evaluate their ideas and products against design criteria Cooking & Nutrition To use the basic principles of a healthy and varied diet to prepare dishes To understand where food comes from	Key Skills	Including individual preferences and requirements in a design Make Making stable structures from card. 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. ding the middle of an object. Puncturing holes.	bridges or guides to control the movement. • Designing a moving story book for a given audience. Make Following a design to create moving models that use levers and sliders.	Design Designing smoothie carton packaging by-hand or on ICT software. Make Chopping fruit and vegetables safely to make a smoothie. Identifying if a food is a fruit or a vegetable. Learning where and how fruits and vegetables grow. Evaluate Suggesting information to be included on packaging.

		Year 2		
KS1 D& T End Points (NC):	Term	Autumn	Spring	Summer
To build structures, exploring how they	Topic	Cooking & Nutrition-Balanced Diet	Textiles-Pouches	Structures Baby Bears Chair
can be made stronger, stiffer and more stable explore and use mechanisms [for example, levers, sliders, wheels and axles] in their products Design To 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 To 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	Key Knowledge	Cooking and Nutrition To know that 'diet' means the food and drink that a person or animal usually eats. To understand what makes a balanced diet. 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 'ingredients' means the items in a mixture or recipe.	To know that sewing is a method of joining fabric. To know that different stitches can be used when sewing. To understand the importance of tying a knot after sewing the final stitch. To know that a thimble can be used to protect my fingers when sewing.	Technical To know that materials can be manipulated to improve strength and stiffness. To know that a structure is something which has been formed or made from parts. To know that a 'stable' structure is one which is firmly fixed and unlikely to change or move. To know that a 'strong' structure is one which does not break easily. To know that a 'stiff' structure or material is one which does not bend easily.
construction materials, textiles and ingredients, according to their characteristics Evaluate To explore and evaluate a range of existing products evaluate their ideas and products against design criteria Cooking & Nutrition To use the basic principles of a healthy and varied diet to prepare dishes To understand where food comes from	Key Skills	Design Designing a healthy wrap based on a food combination which works well together. Make Slicing food safely using the bridge or claw grip. • Constructing a wrap that meets a design brief. Evaluate Taste testing food combinations and final products. Describing the information that should be included on a label. • Evaluating which grip was most effective.	Design Design Designing a pouch. Make Selecting and cutting fabrics for sewing. Decorating a pouch using fabric glue or running stitch. Threading a needle. Sewing running stitch, with evenly spaced, neat, even stitches to join fabric. Neatly pinning and cutting fabric using a template. Evaluate Troubleshooting scenarios posed by teacher. Evaluating the quality of the stitching on others' work. Discussing as a class, the success of their stitching against the success criteria. Identifying aspects of their peers' work that they particularly like and why.	Design Generating and communicating ideas using sketching and modelling. Make 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. Evaluate Testing the strength of own structure. Identifying the weakest part of a structure. Evaluating the strength, stiffness and stability of own structure.
	Vocabulary	Appearance, balanced, carbohydrates, chopping board, combination, cut, dairy, design, design brief, diet, evaluate, feel fruit, grate, grater, ingredients, menu, oils, proteins, review, scissors, smell, snip, spread, spreads, table knife, taste, vegetables	Decorate, fabric, fabric glue, knot, needle, needle threader, running stitch, sew, template, thread	design criteria, man-made, natural, properties, structure, stable, shape, model, test

			Year 3	
KS2 D&T Curriculum End	Term	Autumn	Spring	Summer
Points (NC)	Topic	Mechanisms-Pneumatic Toys	Digital World-Wearable Technology	Cooking & Nutrition -Eating Seasonally
To apply their understanding of how to strengthen, stiffen and reinforce more complex structures To understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] To understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] To apply their understanding of computing to program, monitor and control their products	Key Knowledge	systems operate by drawing in, releasing and compressing air.	Technical To understand that, in programming, a 'loop' is code that repeats something again and again until stopped. To know that a micro:bit is a pocket-sized, codeable computer. To know that a simulator is able to replicate the functions of an existing piece of technology. Additional To understand what is meant by 'point of sale display.' To know that CAD stands for 'Computer-aided design'	Cooking & Nutrition To know that vegetables and fruit grow in certain seasons To know that cooking instructions are known as a 'recipe'. To know that imported food is food which has been brought into the country. To know that exported food is food which has been sent to another country To know that eating seasonal foods can have a positive impact on the environment. To know that similar coloured fruits and vegetables often have similar nutritional benefits. To know that the appearance of food is as important as taste.
Design To 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 To generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Make To select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately To select from and use a wider range of materials and	Key Skills	sketches and exploded diagrams. Learning that different types of drawings are used in design to explain ideas clearly. Make Creating a pneumatic system to create a desired motion. Building secure housing for a pneumatic	 Drawing and manipulating 2D shapes, using computer-aided design, to produce a point of sale badge. Developing design ideas through annotated sketches to create a product concept. Developing design criteria to respond to a design brief Make Following a list of design requirements. Writing a program to control (button press) and/or monitor (sense light) that will initiate a flashing LED algorithm. Evaluate 	Design Creating a healthy and nutritious recipe for a savoury tart using seasonal ingredients, considering the taste, texture, smell and appearance of the dish. Make Knowing how to prepare themselves and a work space to cook safely in, learning the basic rules to avoid food contamination. Following the instructions within a recipe. Evaluate Evaluate Stablishing and using design criteria to help test and review dishes. Describing the benefits of seasonal fruits and vegetables and the impact on the environment. Suggesting points for improvement when making a seasonal tart

components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities Evaluate To 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 To understand how key events and individuals in design and technology have helped shape the world Cooking and Nutrition To understand and apply the principles of a healthy and varied diet To prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques To understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed	Vocabulary	Evaluate * Using the views of others to improve designs. * Testing and modifying the outcome, suggesting improvements. * Understanding the purpose of exploded-diagrams through the eyes of a designer and their client. Mechanism, lever, pivot, linkage system, pneumatic system, input, output, component, thumbnail sketch, research, adapt, properties, reinforce, motion	(CAD), control, design criteria, develop, digital, digital revolution, digital world, display, electronic, electronic products,	Appearance, arid, climate, complementary, country, cut, design, evaluate, export, fruit, grate, import, ingredients, Mediterranean, mock-up, mountain, peel, polar, seasonal, seasons, snip, taste, temperate, texture, tropical, vegetable, weather

			Year 4	
KS2 D&T Curriculum EndPoints	Term	Autumn	Spring	Summer
(NC)	Topic	Mechanical Systems-Making a Slingshot Car	Cooking & Nutrition-Adapting a Recipe	Electrical Systems-Torches
(NC) To apply their understanding of how to strengthen, stiffen and reinforce more complex structures To understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] To understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] To apply their understanding of computing to program, monitor and control their products Design To 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 To generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Make To select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately To select from and use a wider range of materials and components, including construction materials, textiles and	Topic Key Knowledge	Mechanical Systems-Making a Slingshot Car Technical To know that air resistance is the level of drag	Cooking & Nutrition-Adapting a Recipe Cooking & Nutrition To know that the amount of an ingredient in a recipe is known as the 'quantity.' To know that safety and hygiene are important when cooking. To know the following cooking techniques: sieving, measuring, stirring, cutting out and shaping. To understand the importance of budgeting while planning ingredients for biscuits. To know that products often have a target audience.	

functional properties and aesthetic qualities Evaluate To 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 To understand how key events and individuals in design and technology		
have helped shape the world Cooking and Nutrition		
To understand and apply the principles of a healthy and varied diet To prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques To understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed		

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	Design Design Designing a shape that reduces air resistance Drawing a net to create a structure from. Choosing shapes that increase or decrease speed as a result of air resistance. Personalising a design. Make Measuring, marking, cutting and assembling with increasing accuracy. Making a model based on a chosen design. Evaluate Evaluating the speed of a final product based on: the effect of shape on speed and the accuracy of workmanship on performance.	Design Designing a biscuit within a given budget, drawing upon previous taste testing judgements Make Following a baking recipe, from start to finish, including the preparation of ingredients. Cooking safely, following basic hygiene rules. Adapting a recipe to improve it or change it to meet new criteria (e.g. from savoury to sweet). Evaluate Describing the impact of the budget on the selection of ingredients. Evaluating and comparing a range of food products	Design Designing a torch giving consideration to the target audience and creating both design and success criteria focusing on features of individual design ideas. Make Making a torch with a working electrical circuit and switch Using appropriate equipment to cut and attach materials Assembling a torch according to the design and success criteria Evaluate Evaluate Evaluating electrical products Testing and evaluating the success of a final product
	Chassis, energy. Kinetic, mechanism, air resistance, design, structure, graphics, research, model, template	Adapt addition, appearance, budget, buttery, combine, comment, compare, construct, cream, crunchy, cuboid, cut Design, evaluate, fold, hygiene, ingredients, layout, market research, modify, multiplication, opinion, pounds, sieve, sift, target audience, taste, texture, unique	Battery, bulb, buzzer, circuit diagram, component, conductor, electrical item, electricity, electronic item, insulator, series circuit, switch, target audience, test, torch, wire

			Year 5	
KS2 D&T Curriculum EndPoints (NC)	Term	Autumn	Spring	Summer
	Topic	Electrical Systems-Doodlers	Cooking & Nutrition- Developing a Recipe	Textiles-Stuffed Toys
To apply their understanding of how to strengthen, stiffen and reinforce more complex structures To understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] To understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] To apply their understanding of computing to program, monitor and control their products Design To use research and develop design criteria to inform the design of	Key Knowledge	Technical To know that series circuits only have one direction for the electricity to flow. To know when there is a break in a series circuit, all components turn off. To know that an electric motor converts electrical energy into rotational movement, causing the motor's axle to spin. To know a motorised product is one which uses a motor to function. Additional To know that product analysis is critiquing the strengths and weaknesses of a 'back' product. To know that 'configuration' means how	Cooking & Nutrition * To know that recipes can be adapted to suit nutritional needs and dietary requirements. * To know that I can use a nutritional calculator to see how healthy a food option is. * To understand that 'cross-contamination' means bacteria and germs have been passed onto ready-to-eat foods and it happens when these foods mix with raw meat or unclean objects. * To know that coloured chopping boards can prevent cross-contamination. * To know that nutritional information is found on food packaging.	To know that blanket stitch is useful to reinforce the edges of a fabric material or join two pieces of fabric. • To understand that it is easier to finish simpler designs to a high standard. • To know that soft toys are often made by creating appendages separately and then attaching them to the main body. • To know that small, neat stitches which are pulled taut are important to ensure that the soft toy is strong and holds the stuffing securely.
innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups To generate, develop, model and communicate their ideas through	Key Skills	on existing products and explaining how	Design - Adapting a traditional recipe, understanding that the nutritional value of a recipe alters if you remove, substitute or	Design Designing a stuffed toy, considering the main component shapes required and creating an appropriate template. Considering the proportions of individual components.
communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Make To select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately To 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 To 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 To understand how key events and individuals in design and technology have helped shape the world		these would alter the form and function of the product. • Developing design criteria based on findings from investigating existing products. • Developing design criteria that clarifies the target user. Make • Altering a product's form and function by tinkering with its configuration. • Making a functional series circuit, incorporating a motor.		Considering the proportions of individual components. Make Creating a 3D stuffed toy from a 2D design. Measuring, marking and cutting fabric accurately and independently. Creating strong and secure blanket stitches when joining fabric. Threading needles independently. Using appliqué to attach pieces of fabric decoration. Sewing blanket stitch to join fabric. Applying blanket stitch so the spaces between the stitches are even and regular. Evaluate Testing and evaluating an end product and giving point for further improvements.
Cooking and Nutrition To understand and apply the principles of a healthy and varied diet To prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques	Vocabulary	develop, DIY, investigate, motor, motorised, problem solve, product analysis, series circuit, stable, target user	contamination, cut, design, enhance, equipment, evaluate,	Accurate, annotate, appendage, blanket-stitch, design criteria, detail, evaluation, fabric, sew, shape, stuffed toy, Stuffing, template

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

Year 6							
KS2 D&T Curriculum EndPoints	Term	Autumn	Spring	Summer			
(NC)	Topic	Cooking & Nutrition- Come Dine With Me	Mechanical Systems-Automata Toys	Digital World- Navigating the World			
To apply their understanding of how to strengthen, stiffen and reinforce more complex structures To understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] To understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] To apply their understanding of computing to program, monitor and control their products Design To use research and develop design criteria to inform the design of	Key Knowledge	Cooking & Nutrition 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 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).	Additional To know that an automata is a hand powered mechanical toy. To know that a cross-sectional diagram shows the inner workings of a product. To understand how to use a bench hook and saw	Technical To know that accelerometers can detect movement. To understand that sensors can be useful in products as they mean the product can function without human input. Additional To know that designers write design briefs and develop design criteria to enable them to fulfil a client's request. To know that 'multifunctional' means an object or product has more than one function. To know that magnetometers are devices that measure the Earth's magnetic field to determine which direction you are facing.			
innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups To generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Make To select from and use a wider range of tools and equipment to perform	Key Skills	Design • Writing a recipe, explaining the key steps, method and ingredients. • Including facts and drawings from research undertaken Make • Following a recipe, including using the correct quantities of each ingredient. • Adapting a recipe based on research. • Working to a given timescale. • Working safely and hygienically with	Design -Experimenting with a range of cams, creating a design for an automata toy based on a choice of cam to create a desired movement Understanding how linkages change the direction of a force Making things move at the same time Understanding and drawing cross-sectional diagrams to show the inner-workings of my design	Design Writing a design brief from information submitted by a client Developing design criteria to fulfil the client's request. Considering and suggesting additional functions for my navigation tool. Developing a product idea through annotated sketches. Placing and manoeuvring 3D objects, using CAD. Changing the properties of, or combining one or more 3D objects, using CAD. Make			
practical tasks [for example, cutting, shaping, joining and finishing], accurately To 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 To 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 To understand how key events and individuals in design and technology have helped shape the world Cooking and Nutrition To understand and apply the principles of a healthy and varied diet To prepare and cook a variety of		 Evaluate Evaluating a recipe, considering: taste, smell, texture and origin of the food group. Taste testing and scoring final products. Suggesting and writing up points of 	Measuring, marking and checking the accuracy of the jelutong and dowel pieces required. Measuring, marking and cutting components accurately using a ruler and scissors. Assembling components accurately to make a stable frame. Understanding that for the frame to function effectively the components must be cut accurately and the joints of the frame secured at right angles. Selecting appropriate materials based on the materials being joined and the speed at which the glue needs to dry/set. Evaluate Evaluate Evaluating the work of others and receiving feedback on own work. Applying points of improvement to their toys. Describing changes they would make/do if they were to do the project again.	 Considering materials 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 Explaining how my program fits the design criteria and how would be useful as part of a navigation tool. Developing an awareness of sustainable design. Identifying key industries that utilise 3D CAD modelling and explaining 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 would be useful as part of a navigation tool. 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 pitch. 			

predominantly savoury dishes using a range of cooking techniques To understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed		cookbook, cross-contamination, enhance, equipment, farm to fork, flavours, ingredients, method, research, pairing, recipe, preparation, salty, sour, storyboard, sweet, umami	hook, cam, clamp, component, cutting list, diagram, dowel, drill bit, exploded-diagram, finish, follower, frame, function, hand drill, jelutong, linkage, mark out Measure, mechanism, model, research, right-angle,	Smart, smartphone, equipment, navigation, cardinal compass, application (apps), pedometer, GPS tracker, design brief, design criteria, client, function, program, duplicate, replica, loop, variable, value, if statement, boolean, corrode, mouldable, lightweight, sustainable design, environmentally friendly, biodegradable, recyclable, product lifecycle, product lifespan
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