



Question: What is the difference between wet glue and a glue stick? Which glue is better to use to make a nature crown? How can I make my crown even better?	Question: What is tape and how do I use it? Which media shall I use to create a vehicle? How can I make my vehicle even better?	Question: What transport do we use today? -What transport did people use in the past? -Can you talk about the similarities and differences between these forms of transport?
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### Reception

# **Outcomes:**

In the Early Years Foundation Stage, design and technology forms part of the learning children acquire under the 'Understanding the World', and the 'Expressive Arts and Design' branch, of the Foundation Stage curriculum. The children are provided with a series of opportunities and meaningful experiences linked to the topics they cover each term. These opportunities are carefully planned for with the activity taught and modelled at the beginning of term. Then, after this, children are encouraged to explore creating things independently or with peers in the continuous provision. All year children have access to a construction area. In this area children build 3D models using a wide range of construction toys and have visual prompts to help them develop their ideas and build for a purpose. They can choose to work collaboratively or independently. In our creation station all year, children learn to construct with a purpose in mind, children use scissors, glue, string, lolly pop sticks, pipe cleaners and junk modelling materials to make different things. For example, jewellery, bags, badges, books, towers, and cards. The children have to problem solve on their own to join structures together and test what will work with different materials and what will not work. Through this, the children learn about planning and adapting initial ideas to make them better. For example, a child might choose to use scissors, a stapler, elastic bands and glue to join bits together to make a toy vehicle. But they might then modify their initial idea by using making tape. We also have a playdough station all year and children create 3D models linked to their learning. For example, a child might discover how they can be put together again. For example, a child might dismantle a pepper grinder and learn how it is put together and the materials different parts are made of.

<u>Autumn 1 / 2</u>	<u>Unit 3 / 4</u>	<u>Unit 5/ 6</u>
Link to topic:	<u>Link to topic:</u>	Link to topic:
Feelings, friends and family	Space, night and nocturnal animals	People who help us, a journey into the past
Fairytales, festivals and fireworks	Leaves, life and landscapes	Travel, transport and the seaside
Autumn 1	Spring 1	Summer 1
Shoe Box House -	Junk Model Rocket-	3D paper plate dinosaurs
I can make a house using a shoe box.	I can make a rocket using junk modelling	I can use paper plates to make a model of a
The children will safely begin to manipulate	materials.	dinosaur.
and join different materials together using glue sticks, masking tape, Sellotape, and blunt scissors. They will learn the skills of folding, ripping, snipping, cutting, and hole-	The children will plan how they will build their rocket and talk about what they have planned. They will be encouraged to follow their plan whilst building their rocket.	The children will plan how they will build their paper plate dinosaur and discuss with each other what will work and what will not work.



		Slokes wood
<ul> <li>punching. The children will look at how to attach a paper door to their shoe box.</li> <li>Autumn 2</li> <li>Pumpkin Soup</li> <li>I can participate in making pumpkin soup.</li> <li>As part of learning and celebrating</li> <li>Halloween the children make pumpkin soup. They are introduced to a simple recipe and follow each step in small groups.</li> <li>The children must practise their cutting skills when chopping, and they are taught hygiene skills to ensure they can prepare the food safely.</li> </ul>	The children will build on their existing knowledge to join different materials together; however, this will be on a larger scale as the children will have access to large cardboard boxes, plastic bottles, and cereal boxes. <b>Spring 2</b> <b>Shoe box animal habitat</b> <b>I can make an animal habitat.</b> As part of our topic surrounding nocturnal animals and night, the children will have access to a wide variety of natural materials and will be encouraged to make an animal habitat. We also go on a school trip to the botanical gardens and one of the taught sessions is about habitats. Therefore, this builds on a meaningful experience.	They will then evaluate their work and talk about what they like and what they feel they could do better. <b>Summer 2</b> <b>Making a boat</b> <b>I can make a boat using different materials and test to see if they float or sink.</b> The children will make a boat using different materials for example, paper, card, foil, tissue paper, toilet roll, different construction, (mobile/lego/stickle bricks). They will then evaluate if the boat sinks or floats and discuss their observations. The last step will be talking about what they would do better next time. <b>I know how to hammer a nail into a piece of wood safely. (Forest school)</b>
Question: Unit 1 What shape is a house? What shape is a window? What shape is a door? What materials could I use for each part? How can I make the door stick on my house? What can I use to make windows and a roof? Unit 2 What is a pumpkin?	Question:Unit 3What shapes can you see on a rocket?What materials could you use?How can you join these materials together?Unit 4What will keep an animal warm?What will keep an animal dry?What are natural materials?Where can you find natural materials?	Question:Unit 5What shapes will you need to cut?What colours will you need?What materials will you use and why?How can you join these materials together?Unit 6What types of materials sink?What types of materials float?



What is a recipe?	What can I do better next time?	Primary School
How do I cut food up safely?		
How do I prepare food safely?		



**Outcomes:** Pupils should be taught to design, make and evaluate purposeful products for someone to use or enjoy. They should explore and use mechanisms, structures, including a wide range of tools, equipment, materials and components. Pupils should be able understand and apply the principles of nutrition and learn how to cook.

To support the development of cross-curricular learning, D&T links with other subjects such as healthy eating in PSHE (eatwell plate). Puppets links with different materials in science covered in the everyday materials unit. Wheels and axles linked with old and new toys in history. Comparing old and new toys.

Unit 4	Unit 5	Unit 6
<u>This builds on the previous lessons</u>	This builds on the previous lessons	This builds on the previous lessons
Wheels and Axles	Fruit and Vegetables	Puppets
Learn about the key parts of a wheeled	Learn to distinguish between truit and vegetables	Explore methods of joining fabric. Design and
wheels, ayles and ayle holder's work. Design	vogotable smoothic and accompanying	make a character-based hand pupper using a
and make a moving vehicle	nackaging	Alternate theme Faster Animals
	puokuging.	
Lesson 1: How do wheels move? Mechanisms To investigate how wheels move on a variety of different objects. Pupils create a simple version of a wheel mechanism, including an axle, wheel and axle holder. To identify similarities and differences between ways of life.	Lesson 1: Fruit or vegetable? Cooking and Nutrition To identify if a food is a fruit or a vegetable. The children learn to distinguish fruits from vegetables, and putting this knowledge into practice, handling and categorising a selection of fruits and vegetables.	Lesson 1: Joining fabrics. Textiles To join fabrics together using different methods. Pupils explore and evaluate different ways to join fabrics together, including gluing, pinning and stapling.
Lesson 2: Fixing broken wheels. Mechanisms To identify what stops wheels from turning. To identify what stops wheels from turning.	Lesson 2: Where fruit and vegetables grow. Cooking and Nutrition To identify where plants grow and which parts we eat. Having learned to sort fruits from vegetables by looking for seeds, pupils learn another clue to classification is where the edible part of the plant grows, on trees, or vines, above the ground or under the soil; and explore which part of these plants we eat.	Lesson 2: Designing my puppet. Textiles To use a template to create my design. After deciding on which character their puppet will be based, children use a simple template to cut out their felt.



Lesson 3: Designing a vehicle. Mechanisms	Lesson 3: Smoothie ingredients tasting. Cooking and Nutrition	Lesson 3: Making and joining my puppet. Textiles
To design a moving vehicle. Children learn the different components of a	To taste and compare fruit and vegetables. String a selection of potential fruit and vegetable	To join two fabrics together accurately. Children join their pieces of fabric for their
vehicle with moving wheels and design a moving vehicle of their own.	smoothie ingredients, describing their appearance, smell and taste and deciding which	puppet, using their preferred technique of pinning, stapling or gluing.
	to include in a smoothie.	
Mechanisms	Cooking and Nutrition	Textiles
Using their designs, children build and then test their vehicles.	To make a fruit and vegetable smoothie. Children prepare and blend chosen fruits and	To embellish my design using joining methods.
To build a moving vehicle.	vegetables to make smoothies and design packaging for their drinks to reflect the ingredients	Children decorate their hand puppet in keeping with their chosen storybook character using a variety of carefully selected materials



**Outcomes:** 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. To support the development of cross-curricular learning, D&T links with other subjects such as Baby Bear's Chairs with traditional tales (Goldilocks), making a moving monster with the defeating the monster story (the Gruffalo) and balanced diet links with PSHE and science (healthy lifestyle)

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Unit 2	Unit 5	Unit 6
These lessons build on previous learning	This unit builds on previous learning covered in	This unit links back to previous work in
covered in reception with junk journalling.	year one with wheels and axles.	reception where the children used their cutting
Children learned the names of various craft	The children can explain that wheels move	and chopping skills (with support) to create a
tools; learned cutting and scissor skills; planned	because they are attached to an axle.	healthy soup. In year 1, the children designed
and built a junk model and built on their	recognise that wheels and axles are used in	a smoothie carton packaging by-hand or on
knowledge of joins, such as glue, paper clips	everyday life, not just in cars; Identify and	ICT software; chopped up fruit and vegetables
and sticky tape and tinkered with a range of	explain vehicle design flaws using the correct	safely; identified whether a food is a fruit or a
joining methods (e.g hook and loop shoes)	vocabulary; design a vehicle that includes	vegetable; Learned where and how fruits and
	functioning wheels, axles and axle holders;	vegetables grow and evaluated their food
	make a moving vehicle with working wheels	combinations through its appearance, smell
	and axles and explain what must be changed if	and taste.
	there are any operational issues.	
Baby Bear's chair	Making a moving monster	A balanced diet
Explore stability and methods to strengthen	Explore levers, linkages and pivots through	Learn about the food groups (carbohydrates,
structures, to understand Baby Bear's chair	existing products and experimentation, use this	proteins, fruits and vegetables, dairy, oils and
weaknesses and develop an improved solution	research to construct and assemble a moving	spreads) to understand a balanced diet to
for him to use.	monster. Example theme: Moving monster.	develop a healthy wrap.
	Alternative theme: Easter – Mechanical animals	
Lesson 1: Exploring stability.	Lesson 1: Pivots, levers and linkages	Lesson 1: Hidden sugars in drinks.
Structures	Mechanisms	Cooking and nutrition
To explore the concept and features of	To look at objects and understand how they	To know what makes a balanced diet
structures and the stability of different shapes.	move.	To know what makes a balanced diet.
Using a scientific approach, children test the	Looking at everyday objects, children learn that	Children learn how much sugar is in a variety
stability of 3D shapes that they have moulded	a lever is something that turns on a pivot and	of drinks, including 'healthy' juices, and then
themselves and explore man-made and natural	that a linkage is a system of levers that are	categorise different foods into their correct
structures.	connected by pivots.	rooa groups.



Lesson 2: Strengthening materials. Structures To understand that the shape of the structure affects its strength. While reinforcing their mathematical vocabulary, children build different paper structures and then test them to destruction!	Lesson 2: Making linkages? Mechanisms To look at objects and understand how they move. Children experiment with making the linkages that will enable their monsters to move, varying the width, length and thicknesses of the card they use and demonstrating to the class the success of these adaptations.	Lesson 2: Taste testing combinations. Cooking and Nutrition To taste test food combinations. Having tested taste combinations of foods, children design a wrap of balanced ingredients.
Lesson 3: Making Baby Bear's chair Structures To make a structure according to design criteria. Considering what kind of chair Baby Bear would like, pupils develop a design criterion which uses all their knowledge of building strong and stable structures and begin to make their chairs.	Lesson 3: Designing my monster. Mechanisms To explore different design options. With levers, linkages and pivots in mind, children design two possible moving monster ideas against a set of design criteria and then carry out a tally survey to see which design is favoured by their peers.	Lesson 3: Designing and making a wrap. Cooking and Nutrition To design a healthy wrap. Building on their taste testing investigations from Lesson 2, children design three possible wrap options before selecting their favourite and drawing and labelling their final design.
Lesson 4: Fixing and testing Baby Bear's chair. Structures To produce a finished structure and evaluate its strength, stiffness and stability. When Baby Bear's chair is complete, pupils test its strength and stability, and use their problem- solving skills to adapt their structure as necessary.	Lesson 4: Making my monster. Mechanisms To make a moving monster. Children construct and assemble their moving monsters, decorating them as specified in their original designs from Lesson 3 and finally evaluating their efforts against their original Design Brief.	Lesson 4: Making and evaluating. Cooking and Nutrition To make a healthy wrap. Children prepare the wraps they designed, chopping ingredients safely using the 'bridge' or 'claw' grip and then evaluating the outcomes.



Outcomes: 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. To support the development of cross-curricular learning, D&T links with other subject such as mechanical systems links with forces and magnets in science; cross-stitch links with art when they're sketching and painting Matisse. Food links in with the science topic on healthy bodies. Instructional texts in literacy and land use in geography.

Unit 3	Unit 5	Unit 6
These lessons build on previous learning	These lessons build on previous learning	These lessons build on previous learning
covered in year 2 with	covered in year 2 with	covered in year 2 with
Pneumatic toys	Eating seasonally	Cross-stitch and appliqué
Explore pneumatic systems, then apply this	Learn about various fruits and vegetables,	Learn and apply two new sewing techniques –
understanding to design and make a	and when, where and why they are grown in	cross-stitch and appliqué. Utilise these new
pneumatic toy including thumbnail sketches	different seasons. Discover the relationship	skills to design and make a cushion or
and exploded diagrams.	between colour and health benefits.	Egyptian collar.
1. Lesson 1: Exploring pneumatics?	Lesson 1: Where in the world?	Lesson 1: Cross-stitch and appliqué.
Mechanical Systems.	Cooking and Nutrition .	Textiles.
To understand how pneumatic systems work.	To know that climate affects food growth.	To learn how to sew cross-stitch and
The children will investigate and explore	Children identify the different climates in	appliqué.
different pneumatic systems.	which fruits and vegetables grow and follow	The children are introduced to cross-stitch
	a recipe to make Japanese fruit skewers.	and the decorative sewing technique appliqué
		and experiment with trying these stitches
		independently.
Lesson 2: Designing a pneumatic toy.	Lesson 2: British seasonal foods	Lesson 2: Cushion design.
Mechanical Systems.	Cooking and Nutrition.	Textiles
To design a toy that uses a pneumatic system	To understand the advantages of eating	To design a product and its template.
through thumbnail sketches and exploded	seasonal foods grown in the UK.	The children design their own cushions,
diagrams. The children will design pneumatics	Children learn that we must import some	adhering to set design criteria, which include
toys through thumbnail sketches and exploded	foods from other countries, then the children	the use of cross stitch and appliqué.
diagrams.	bake a fruit crumble using seasonal British	
	fruits.	



Lesson 3: Making pneumatic toys.	Lesson 3: Rainbow food	Lesson 3: Decorating my cushion.
Mechanical Systems.	Cooking and Nutrition.	Textiles.
To create a pneumatic system.	To create a recipe that is healthy and	To decorate fabric using appliqué and cross
Children create a working pneumatic system	nutritious using seasonal vegetables.	stitch. The children decorate their cushions in
and casing for their toys.	Children learn that vegetables and fruits of	accordance with their designs.
	the same colour have similar health benefits	
	and design a seasonal tart using a variety of	
	local seasonal vegetables and fruits to	
	provide a range of nutrients	
Lesson 4: Decorating and assembling my	Lesson 4: Making tarts.	Lesson 4: Assembling my cushion.
toy?	Cooking and Nutrition.	Textiles
Mechanical Systems	To safely follow a recipe when cooking.	To assemble your cushion.
To test and finalise ideas against design	Children bring together the lessons from this	The children complete their cushions, sewing
criteria. Pupils add decorations and assemble	unit to make their seasonal tart.	the edges together, stuffing them and using
the final components to complete their		the decorative pieces of materials from the
pneumatic toys.		previous lesson.



Outcomes: 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.

<u>Unit 1</u>	Unit 4	Unit 6
These lessons build on previous learning	These lessons build on previous learning	These lessons build on previous learning
covered in year 2 with Baby Bear's Chair	covered in	covered in year 3 where children learned the
where the children used sketching and		basic rules to avoid food contamination;
modelling techniques for plan their design.		followed the instructions within a recipe; used
They learned about different types of		a design criterion to help test and review
structures and created joints and structures		dishes; described the benefits of seasonal
from paper/card and tape. Finally, the children		fruits and vegetables and the impact on the
made comparisons of different shapes and		environment and suggested points for
evaluated the strength, stiffness and stability		improvement when making a seasonal tart.
of their own structure.		
Pavillions	Torches	Adapting a recipe
Investigate and model frame structures to	Identify the difference between electrical and	
improve their stability, then apply this	electronic products. Evaluate a range of	Work in groups to adapt a simple biscuit
research to design and create a stable,	existing torches and their features, then	recipe, to create the tastiest biscuit ensuring
decorated pavilion.	develop a new functional torch design.	that their creation comes within the given
Exploring pavilion structures, learning about		budget of overheads and costs of ingredients.
what they are used for and investigate how to	Pupils apply their scientific understanding of	
create strong and stable structures before	electrical circuits to create a torch made from	
designing and creating their own pavilions,	recycled and reclaimed materials and objects.	
complete with cladding.	They design and evaluate their product	
	against set design criteria.	
Lesson 1: Exploring frame structures	Lesson 1: Electrical products	Lesson 1: Following a recipe
Structures	Electrical Systems.	Cooking and Nutrition.
To create a range of different shaped frame	To learn about electrical items and how they	To follow a baking recipe.
structures Using toothpicks and sweets,	work. The children explore the difference	After sampling and evaluating a range of
pupils explore different frame structures to	between 'electrical' and 'electronic' and revisit	biscuits, children bake a simple biscuit recipe.
test which are the most stable.	how to create a simple circuit.	



Lesson 2: Designing a pavilion. Structures To design a structure. The children will explore different frame structures to test which are the most stable using toothpicks and sweets.	Lesson 2: Evaluating torches. Electrical Systems. To analyse and evaluate electrical products. The children will evaluate a range of different torches and identify the features of a torch: housing, reflector, circuit and switch.	Lesson 2: Testing ingredients Cooking and Nutrition. To make and test a prototype. Children work in groups to make the biscuit recipe from Lesson 1, adding different ingredients to their dough to discover which tastes best when baked.
Lesson 3: Pavilion frame	Lesson 3: Torch design	Lesson 3: Final design and budget
Structures.	Electrical Systems	Cooking and Nutrition
To build a frame structure.	To design a product to fit a set of specific user	To design a biscuit to a given budget.
Using their designs and a range of materials,	needs.	
children build a strong frame structure for their	The children create a torch design, building	Working to a budget which includes imaginary
pavilion.	on their understanding from and incorporating	costs, children decide which ingredients they
	features they have identified in previous	will spend the rest of their budget on for their
	lessons.	biscuits.
Lesson 4: Pavilion cladding	Lesson 4: Torch assembly?	Lesson 4: Biscuit bake off.
Structures	Electrical Systems	Cooking and Nutrition
To add cladding to a frame structure.	To make and evaluate a torch.	To make a biscuit that meets a given design
Experimenting with different decorative	The children build the circuit and housing for	brief. It's the 'Bake Off' - after making a batch
techniques, pupils use paper and other	their torches, closely following their designs	of their final adapted biscuit design and
materials to clad their pavilions	from the previous lesson.	packaging, a panel of judge's taste and
		review each group's creations.



Year 5 Outcomes: Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills		
Unit 3	<u>Unit 5</u>	<u>Unit 6</u>
For this unit, the children will create a four-page pop-up story book design, incorporating a range of functional mechanisms that use levers, sliders, layers and spacers to give the illusion of movement through interaction.	For this unit, the children will research and modify a traditional Bolognese sauce recipe to make it healthier. Cook improved versions, creating appropriate packaging and learn about where the ingredients the importance of animal welfare when farming cattle	This unit builds on the work in Y4. The Doodlers unit explores series circuits further and introduces motors. Explore how the design cycle can be approached at a different starting point, by investigating an existing product, which uses a motor, to encourage pupils to problem-solve and work out how the product has been constructed, ready to develop their own.
Mechanical systems: Making a pop-up book	Cooking and nutrition: What could be healthier?	Electrical systems: Doodlers
<ol> <li>Pop-up book page design Mechanical Systems To design a popup book.</li> <li>Designing a pop-up book for younger children. After choosing an appropriate story to base their pop-up book on, children draw out the pages, write the captions and specify the mechanisms they will use and the resulting movement they envisage.</li> </ol>	1.From farm to fork Cooking and Nutrition To understand where food comes from. Children learn how beef, the main ingredient of a Bolognese sauce, is farmed and are made aware of key welfare issues surrounding the rearing of cattle.	1. Electrical systems and Motors Electrical Systems To understand how motors are used in electrical products. Learn about series circuits and a new circuit component – the motor. Understand the motor's purpose to convert electrical energy into rotational movement and revisit wheel and axle knowledge. Identify and look at a range of products that make use of a motor.



2. Making my Pop-up book	2. What does healthy look like?	2. Meet the Doodlers
Mechanical Systems	Cooking and Nutrition	Electrical Systems.
Children create the structure of their books,	To understand the term 'healthy' children	To investigate an existing product to
including the pop-up features, and begin to	taste test two Bolognese sauces to	determine the factors that affect the product's
make their mechanisms.	compare their nutritional values.	form and function.
	Then after researching variations of the	Investigating an existing product to problem-
	recipe, the children work in teams to	solve and work out how the product has been
	decide on ingredients for a healthier	constructed.
	alternative.	
3. Using layers and spacers	3.Adapting and improving a recipe	3.Doodler design and construction
Mechanical Systems	Cooking and Nutrition	Electrical Systems.
To use layers and spacers to cover the working	To adapt a traditional recipe.	To put findings from research into practice to
of mechanism. Children secure their	The children work in teams to decide on	develop an improved product.
mechanisms onto the pages and give their	ingredients for a healthier alternative to the	Developing an effective and functional Doodler
books a professional finish, using layers and	Bolognese recipe.	using design criteria based on knowledge
spacers to hide the mechanisms.		learned during the investigation in the previous
		lesson.
4. Writing and illustrating	4. Mamma Mia! What a tasty, healthy	4. Doodler DIY kits?
Mechanisms	Bolognese!	Electrical Systems.
	Cooking and Nutrition	To develop a DIY kit for another individual to
To create a high-quality product suitable for a	To complete a food product.	assemble their product.
target user. Children add the finishing touches to	Children work together to make their very	Applying the knowledge of building a Doodler
their books, adding illustrations, colour and	own Bolognese sauces, following the	to write instructions for a DIY assembly kit.
writing captions.	recipe methods that they wrote last lesson	
	and designing packaging that promotes it	
	as a healthy and ethical choice.	



Year 6 Outcomes: 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.		
Unit 3	Unit 4	<u>Unit 6</u>
For this unit, the children will design and create a model for a new playground featuring five apparatus, made from three different structures. Using a footprint as the base, the children practise visualising objects in plain view and get creative including natural features. They will research existing playground equipment and their different forms, before designing and developing a range of apparatus to meet a list of specified design criteria. This builds on from their prior learning on Structures in Year 4 where they construct a table Pavilion. The children progress from creating one stable structure to designing a playground featuring a variety of different structures, considering how the structures will be used, considering effective and ineffective designs.	For this unit, the children will design and create a steady hand game, using nets to create the bases and apply knowledge of electrical circuits to build an operational circuit with a buzzer that completes the circuit when the handle contacts the wire. They will understand what is meant by fit for purpose design and form follows function. This links with electrical circuit design in science where the children learn how to construct a circuit and how to record it using scientific symbols.	For this unit, the children will research and prepare a three-course meal and taste-test and score their food. They will research the journey of their main ingredient from 'farm to fork' or write a favourite recipe. This links with their debate writing in literacy where they discuss the advantages and disadvantages of eating meat. This builds on their previous learning of where food comes from and understanding what 'healthy' means in the context of a balanced diet.



Structure: Playgrounds	Electrical systems: Steady hand game	Cooking and nutrition: Come dine with me
1. Lesson 1: Design a new playground Structures To design a playground with a variety of structures Designing five pieces of playground apparatus using three different structures.	Lesson 1: Developing through play Electrical Systems To research and analyse a range of children's toys. Pupils explore what is meant by fit for purpose design and apply this to their own research on children's toys to evaluate their form and function.	Lesson 1: Three ingredients; three courses Cooking and Nutrition To research and design a three-course meal. In pairs, children research a recipe for the course they will make: a pepper starter or salmon main course or pineapple dessert.
Lesson 2: Building structures Structures To build a range of structures. Pupils build the structures for their playground apparatus as designed in the previous lesson.	<ul> <li>2. Lesson 2: Game plan</li> <li>Electrical Systems</li> <li>To design a steady hand game.</li> <li>Children identify the components of a 'steady hand game', design their own game and create perspective drawings of their design.</li> </ul>	Lesson 2: To start Cooking and Nutrition To prepare a meal using a recipe; To understand where their food comes from; To write up a recipe* Chose pairs of children making the pepper starters prepare and make the recipes they researched in Lesson 1, whilst the rest of the class research how salmon are reared, caught and processed, or make a recipe page for a class cookbook.
Lesson 3: Perfecting structures Structures To improve and add detail to structures. Pupils complete the remaining structures for their playground apparatus, developing and testing them as they work and adding the cladding.	Lesson 3: Base building Electrical Systems To construct a stable base. Children use nets to create the base blocks of their steady hand games, and decorate them in line with their design criteria.	Lesson 3: The main course Cooking and Nutrition To prepare a meal using a recipe; To understand where their food comes from and To write up a recipe* Those children making the salmon main course prepare and make the recipes they researched in Lesson 1, whilst the remainder of the class trace the journey food makes across the world to reach our supermarkets, or make a recipe page for a class cookbook.



Lesson 4: Playground landscapes	Lesson 4: Electronics and assembly	4. Lesson 4: Dessert
Structures To create the surrounding landscape. Pupils secure their structures to bases and create	<b>Electrical Systems</b> To assemble electronics and complete an electronic game. Pupils make and test their	<b>Cooking and Nutrition</b> To prepare a meal using a recipe; To understand where their food comes from; To
landscape features from a range of materials to complement their playgrounds.	circuits and incorporate them into the bases of their games.	write up a recipe* Those children making the pineapple desserts, prepare and make the recipes they researched in Lesson 1, whilst the remainder of the class find out how peppers are grown or make a recipe page for a class cookbook.