



Wessex Primary School

Key Learning and vocabulary

DT



YEAR 1		
Autumn	Spring	Summer
Structures: Constructing a Windmill	Textiles: Puppets	Cooking and Nutrition: Fruit Kebabs (Smoothies)
Key Learning	Key Learning	Key Learning
To create a stable structure	To join fabrics together using different methods.	To identify fruits.
To use tools and equipment accurately to make part of a structure.	To use a template to create my design.	To describe where fruits and vegetables grow.
To join parts of a structure.	To join two fabrics together accurately.	To practise food preparation skills.
To evaluate a structure.	To embellish my design using joining methods.	To select ingredients for a recipe.
		To apply food preparation skills to a recipe.
		To evaluate against the design brief.
Vocabulary	Vocabulary	Vocabulary
base rotate, rotor rotor blade sail stable structure	decorate design fabric glue model hand puppet	healthy ingredients recipe root seed stem





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design evaluate	safety pin staple stencil template	vegetable vine
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Year 2		
Autumn	Spring	Summer
Structures: Making Baby Bears Chair	Mechanisms: Making a Fairground Wheel	Mechanisms: Making a moving monster
Key Learning	Key Learning	Key Learning
Exploring stability To explore the concept and features of structures and the stability of different shapes.	Design a fairground wheel To explore wheel mechanisms and design a fairground wheel.	Pivots, levers and linkages To look at objects and understand how they move.
Strengthening materials To understand that the shape of the structure affects its strength.	Planning the build To select materials with appropriate properties.	Making linkages To look at objects and understand how they move.
Making Baby Bear's Chair To make a structure according to design criteria	Building the frame and wheels To build and test a moving wheel.	Designing my monster To explore different design options.
Fixing and testing Baby Bear's Chair To produce a finished structure and evaluate its strength, stiffness and stability.	Surveying design options To conduct a simple survey to gather opinions.	Making my monster To make a moving monster.
	Adding pods and decoration To finish and evaluate a structure with a rotating wheel.	
Vocabulary	Vocabulary	Vocabulary





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design criteria, man-made, natural, properties,
structure, stable, shape, model, test

design brief, design criteria, evaluate,
frame, model, opinion, rotate, survey

axle, design criteria, mechanical, output, input
linkage, pivot, wheel

Key vocabulary for each term has been highlighted





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Year 3		
Autumn	Spring	Summer
Textiles: Cushions	Cooking and Nutrition: Seasonal Eating	Electrical: Electrical Posters
Key Learning	Key Learning	Key Learning
To learn how to sew cross-stitch and appliqué.	To explain why food comes from different places around the world.	To understand the purpose of information design.
To design a product and its template.	To explain the benefits of seasonal foods.	To research a set topic to develop a range of initial ideas.
To decorate fabric using appliqué and cross-stitch.	To develop cutting and peeling skills.	To develop an initial idea into a final design.
To assemble and complete a cushion.	To evaluate seasonal ingredients.	To assemble my final product and incorporate a simple circuit.
	To design a mock-up using criteria.	
	To evaluate a dish.	
Vocabulary	Vocabulary	Vocabulary
Appliqué, cross-stitch, patch, running stitch, Stuffing, thread	Appearance, cut, export, import, peel, seasonal, texture	information design, design criteria, research, bulb, electrical system, circuit





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Year 4		
Autumn	Spring	Summer
Structures: Pavilions	Mechanical Systems: Making a slingshot car	Electrical: Torches
Key Learning	Key Learning	Key Learning
To create a range of different shaped frame structures.	To build a car chassis.	To learn about electrical items and how they work.
To design a structure.	To design a shape that reduces air resistance.	To analyse and evaluate electrical products.
To build a frame structure.	To make a model based on a chosen design.	To design a product to fit a set of specific user needs.
To add cladding to a frame structure.	To assemble and test my completed product. To evaluate the speed of my design based on the understanding that some cars are faster than others as a result of the following: Body shape, Stored energy in the -elastic band. Accuracy of the angle in the chassis and axle.	To make and evaluate a torch.
Vocabulary	Vocabulary	Vocabulary
3D shapes, Cladding, Design criteria, Innovative, Natural, Reinforce, Structure, pavilion	Chassis, energy, kinetic, mechanism, air resistance, design, structure, research, model, template	Battery, bulb, buzzer, circuit diagram, component, conductor, electricity, insulator, series circuit, switch, target audience, torch, wire
Key vocabulary for each term has been highlighted		





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Year 5		
Autumn 1	Spring 1	Summer 1
Electrical Systems: Doodlers	Mechanism: Make a moving book	Cooking and Nutrition: Developing a recipe
Key Learning	Key Learning	Key Learning
To understand how motors are used in electrical products.	To design a pop-up book.	To understand how ingredients are reared and processed.
To investigate an existing product to determine the factors that affect the product's form and function.	To follow my design brief to make my pop-up book.	To make adaptations to design a recipe.
To apply the findings from research to develop a unique product.	To use layers and spacers to cover the working of mechanisms.	To evaluate nutritional content.
To develop a DIY kit for another individual to assemble their product.	To create a high-quality product suitable for a target user.	To practise food preparation skills.
		To design a product label.
		To follow and make an adapted recipe.
Vocabulary	Vocabulary	Vocabulary





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Circuit, component, configuration
Current, develop, DIY, investigate, motor,
motorised, problem solve, product analysis,
series circuit, stable, target user

Design, input, motion, mechanism, criteria,
research, reinforce, model

Abattoir, adaptation, balanced
Beef, brand, cook, cross-contamination, cut
Design, enhance, equipment, evaluate, farm
Grate, hygiene, ingredients, label, measure,
nutrient, nutrition, nutritional value, preference,
press, process, recipe, safety, theme

Key vocabulary for each term has been highlighted



Positivity



Honesty



Respect



Pride



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Year 6		
Autumn	Spring	Summer
Cooking and Nutrition: Come Dine with me	Textiles: Waistcoats	Structures: Playgrounds
Key Learning	Key Learning	Key Learning
To explain the use of complementary flavours.	To design a waistcoat.	To design a playground with a variety of structures.
To research and design a three-course meal.	To mark and cut fabric according to a design.	To build a range of structures.
To explain recipe choices.	To assemble a waistcoat.	To improve and add detail to structures.
To apply culinary skills and knowledge.	To decorate your waistcoat.	To create a surrounding landscape.
Vocabulary	Vocabulary	Vocabulary
Balance, bitter, bridge method, complement Cookbook, cross-contamination , enhance, Equipment, farm to fork , flavours, ingredients, Method, research, pairing, recipe , preparation Salty, sour, storyboard , sweet, umami	Annotate, decorate, design criteria, fabric, target customer , waistcoat , waterproof, adapt, fastening , shape, template , properties target audience, target customer , knot running-stitch , seam, sew, thread	Apparatus, design criteria, equipment, playground, landscape features, cladding
Key vocabulary for each term has been highlighted		





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