	Autumn Term	Spring Term	Summer Term
Cycle A	Homes	Victorians	Predators and Prey
	Y1/2 Structures	Y1/2 Mechanisms: Wheels and axles.	Y1/2 Food Tech- Preparing fruit and
Key	Freestanding Structures	End product: Victorian Toy	vegetables.
concept	End product: Shoe box house		End product: Smoothie
Knowledge	Prior learning	Prior learning	Prior learning
and skills	• Experience of using construction kits	Assembled vehicles with moving wheels using	• Experience of common fruit and vegetables,
	to build walls, towers and frameworks.	construction kits.	undertaking sensory activities i.e. appearance
	Experience of using of basic tools	• Explored moving vehicles through play.	taste and smell.
	e.g. scissors or hole punches with	• Gained some experience of designing, making	• Experience of cutting soft fruit and vegetables
	construction materials e.g. plastic,	and evaluating products for a specified user and	using appropriate utensils.
	card.	purpose.	Designing
	<ul> <li>Experience of different methods of</li> </ul>	• Developed some cutting, joining and finishing	• Design appealing products for a particular user
	joining card and paper.	skills with card.	based on simple design criteria.
	Designing	Designing	<ul> <li>Generate initial ideas and design criteria</li> </ul>
	<ul> <li>Generate ideas based on simple</li> </ul>	<ul> <li>Generate initial ideas and simple design</li> </ul>	through investigating a variety of fruit and
	design criteria and their own	criteria through talking and using own	vegetables.
	experiences, explaining what they	experiences.	Communicate these ideas through talk and
	could make.	Develop and communicate ideas through	drawings.
	• Develop, model and communicate	drawings and mock-ups.	Making
	their ideas through talking, mock-ups and drawings.	• Select from and use a range of tools and	• Use simple utensils and equipment to e.g.
	Making	equipment to perform practical tasks such as	<ul><li>peel, cut, slice, squeeze, grate and chop safely.</li><li>Select from a range of fruit and vegetables</li></ul>
	• Plan by suggesting what to do next. •	cutting and joining to allow movement and	according to their characteristics e.g. colour,
	Select and use tools, skills and	finishing.	texture and taste to create a chosen product.
	techniques, explaining their choices.	Select from and use a range of materials and	Evaluating
	Select new and reclaimed materials	components such as paper, card, plastic and	Taste and evaluate a range of fruit and
	and construction kits to build their	wood according to their characteristics.	vegetables to determine the intended user's
	structures. • Use simple finishing	Evaluating	preferences.
	techniques suitable for the structure	• Explore and evaluate a range of products with	• Evaluate ideas and finished products against
	they are creating.	wheels and axles.	design criteria, including intended user and
	Evaluating		purpose.

	<ul> <li>Explore a range of existing freestanding structures in the school and local environment e.g. everyday products and buildings.</li> <li>Evaluate their product by discussing how well it works in relation to the purpose, the user and whether it meets the original design criteria.</li> <li>Technical knowledge and understanding</li> <li>Know how to make freestanding structures stronger, stiffer and more stable.</li> <li>Know and use technical vocabulary relevant to the project.</li> </ul>	<ul> <li>Evaluate their ideas throughout and their products against original criteria.</li> <li>Technical knowledge and understanding</li> <li>Explore and use wheels, axles and axle holders.</li> <li>Distinguish between fixed and freely moving axles.</li> <li>Know and use technical vocabulary relevant to the project.</li> </ul>	<ul> <li>Technical knowledge and understanding</li> <li>Understand where a range of fruit and vegetables come from e.g. farmed or grown at home.</li> <li>Understand and use basic principles of a healthy and varied diet to prepare dishes, including how fruit and vegetables are part of The Eatwell Guide.</li> <li>Know and use technical and sensory vocabulary relevant to the project.</li> </ul>
Vocabulary	Cut, fold, join, fix structure, wall, tower, framework, weak, strong, base, top, underneath, side, edge, surface, thinner, thicker, corner, point, straight, curved metal, wood, plastic circle, triangle, square, rectangle, cuboid, cube, cylinder design, make, evaluate, user, purpose, ideas, design criteria, product, function.	vehicle, wheel, axle, axle holder, chassis, body, cab assembling, cutting, joining, shaping, finishing, fixed, free, moving, mechanism, names of tools, equipment and materials used design, make, evaluate, purpose, user, criteria, functional.	fruit and vegetable names, names of equipment and utensils sensory vocabulary e.g. soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard flesh, skin, seed, pip, core, slicing, peeling, cutting, squeezing, healthy diet, choosing, ingredients, planning, investigating tasting, arranging, popular, design, evaluate, criteria.

	Autumn Term	Spring term	Summer Term
Cycle B	SOS	Rainforests	Space Race
	Y1/2 Food Tech- Preparing fruit and	Y1/2 textiles: Templates and joining	Y1/2 Mechanisms: Levers
Key	vegetables.	techniques.	End product: 3D rocket picture
concept	End product: Fruit kebab	End product: Hand puppet	
Knowledge	Prior learning	Prior learning	Prior learning
and skills	<ul> <li>Experience of common fruit and</li> </ul>	<ul> <li>Explored and used different fabrics.</li> </ul>	<ul> <li>Early experiences of working with paper and</li> </ul>
	vegetables, undertaking sensory	• Cut and joined fabrics with simple techniques. •	card to make simple flaps and hinges.
	activities i.e. appearance taste and	Thought about the user and purpose of	<ul> <li>Experience of simple cutting, shaping and</li> </ul>
	smell.	products.	joining skills using scissors, glue, paper
	<ul> <li>Experience of cutting soft fruit and</li> </ul>	Designing	fasteners and masking tape.
	vegetables using appropriate utensils.	• Design a functional and appealing product for a	Designing
	Designing	chosen user and purpose based on simple	Generate ideas based on simple design criteria
	Design appealing products for a	design criteria.	and their own experiences, explaining what they
	particular user based on simple design	<ul> <li>Generate, develop, model and communicate</li> </ul>	could make.
	criteria.	their ideas as appropriate through talking,	<ul> <li>Develop, model and communicate their ideas</li> </ul>
	<ul> <li>Generate initial ideas and design</li> </ul>	drawing, templates, mock-ups and information	through drawings and mock-ups with card and
	criteria through investigating a variety	and communication technology.	paper. Making
	of fruit and vegetables.	Making	<ul> <li>Plan by suggesting what to do next.</li> </ul>
	Communicate these ideas through	<ul> <li>Select from and use a range of tools and</li> </ul>	and use tools, explaining their choices, to cut,
	talk and drawings.	equipment to perform practical tasks such as	shape and join paper and card. • Use simple
	Making	marking out, cutting, joining and finishing.	finishing techniques suitable for the product they
	• Use simple utensils and equipment to	<ul> <li>Select from and use textiles according to their</li> </ul>	are creating.
	e.g. peel, cut, slice, squeeze, grate	characteristics.	Evaluating
	and chop safely. • Select from a range	Evaluating	<ul> <li>Explore a range of existing books and</li> </ul>
	of fruit and vegetables according to	• Explore and evaluate a range of existing textile	everyday products that use simple sliders and
	their characteristics e.g. colour, texture	products relevant to the project being	levers.
	and taste to create a chosen product.	undertaken.	• Evaluate their product by discussing how well it
	Evaluating	<ul> <li>Evaluate their ideas throughout and their final</li> </ul>	works in relation to the purpose and the user
	Taste and evaluate a range of fruit	products against original design criteria.	and whether it meets design criteria.
	and vegetables to determine the	Technical knowledge and understanding	Technical knowledge and understanding
	intended user's preferences.	Understand how simple 3-D textile products	• Explore and use sliders and levers.
		are made, using a template to create two	• Understand that different mechanisms produce
		identical shapes.	different types of movement.

	<ul> <li>Evaluate ideas and finished products against design criteria, including intended user and purpose.</li> <li>Technical knowledge and understanding</li> <li>Understand where a range of fruit and vegetables come from e.g. farmed or grown at home.</li> <li>Understand and use basic principles of a healthy and varied diet to prepare dishes, including how fruit and vegetables are part of The Eatwell Guide.</li> <li>Know and use technical and sensory vocabulary relevant to the project.</li> </ul>	<ul> <li>Understand how to join fabrics using different techniques e.g. running stitch, glue, over stitch, stapling.</li> <li>Explore different finishing techniques e.g. using painting, fabric crayons, stitching, sequins, buttons and ribbons.</li> <li>Know and use technical vocabulary relevant to the project.</li> </ul>	
Vocabulary	fruit and vegetable names, names of equipment and utensils sensory vocabulary e.g. soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard flesh, skin, seed, pip, core, slicing, peeling, cutting, squeezing, healthy diet, choosing, ingredients, planning, investigating tasting, arranging, popular, design, evaluate, criteria.	names of existing products, joining and finishing techniques, tools, fabrics and components template, pattern pieces, mark out, join, decorate, finish features, suitable, quality mock- up, design brief, design criteria, make, evaluate, user, purpose, function.	slider, lever, pivot, slot, bridge/guide card, masking tape, paper fastener, join pull, push, up, down, straight, curve, forwards, backwards design, make, evaluate, user, purpose, ideas, design criteria, product, function