



RECEPTION					
Autumn		Spring		Summer	
Main Project: We are superheroes (me and my community)	Main Project: Sparkle and Shine	Main Project: Starry Night	Main Project: Once upon a Time	Main Project: Dangerous Dinosaurs	Main Project: Big Wide World
	Making Diva lamps and Christmas decorations using dough. Making the dough, adjusting the consistency, manipulating the dough to the desired shape. Adding decoration fit for purpose.		Designing and making a Mother's Day gift (child-led project). Following a recipe to make food, e.g. porridge, bread, biscuits, cakes.		Puppets and pop-ups: This creative project explores puppets and pop-up books and gives children the opportunity to make puppets and use them to tell exciting stories.

YEAR 1 (Cycle A)		
Autumn	Spring	Summer
Main project: Childhood	Main project: Bright Lights, Big City	Main project: School Days
Shade and Shelter: This project teaches children about the purpose of shelters and their materials. They name and describe shelters and design and make shelter prototypes. Children then design and build a play den as a group and evaluate their completed product	Taxi! This project teaches children about wheels, axles and chassis and how they work together to make a vehicle move.	Chop, slice, and mash: This project teaches children about sources of food and the preparatory skills of peeling, tearing, slicing, chopping, mashing, and grating. They use this knowledge and techniques to design and make a

DESIGN TECHNOLOGY OVERVIEW

		supermarket sandwich according to specific design criteria.
YEAR 2 (Cycle B)		
Autumn	Spring	Summer
Main project: Movers and Shakers	Main project: Coastline	Main project: Magnificent Monarchs
<p>Remarkable Recipes: This project teaches children about sources of food and tools used for food preparation. They also discover why some foods are cooked and learn to read a simple recipe. The children choose and make a new school meal that fulfils specific design criteria.</p>	<p>Beach Hut: This project teaches children about making and strengthening structures, including different ways of joining materials.</p>	<p>Cut, Stitch and Join: This project teaches children about fabric home products and the significant British brand Cath Kidston. They learn about sewing patterns and using a running stitch and embellishments before making a sewn bag tag.</p> <p>Push and Pull: This project teaches children about three types of mechanism: sliders, levers and linkages. They make models of each mechanism before designing and making a greetings card with a moving part.</p>
YEAR 3 (Cycle A)		
Autumn	Spring	Summer
Main project: Through the Ages	Main project: Rocks, Relics and Rumbles	Main project: Emperors and Empires
<p>Cook Well, Eatwell: This project teaches children about food groups and the Eatwell guide. They learn about</p>	<p>Making It Move: This project teaches children about cam mechanisms. They experiment with different shaped cams before designing, making, and evaluating a child's automaton toy.</p>	<p>Greenhouse: This project teaches children about the purpose, structure, and design features of greenhouses, and compares the work of two significant greenhouse designers. They learn techniques to</p>

DESIGN TECHNOLOGY OVERVIEW

<p>methods of cooking and explore these by cooking potatoes and ratatouille. The children choose and make a taco filling according to specific design criteria.</p>		<p>strengthen structures and use tools safely. They use their learning to design and construct a mini greenhouse.</p>
---	--	--

YEAR 4 (Cycle B)		
Autumn	Spring	Summer
Main project: Invasion	Main project: Misty Mountain, Winding River	Main project: Ancient Civilisations
<p>Fresh Food, Good Food: This project teaches children about food decay and preservation. They discover key inventions in food preservation and packaging, then make examples. The children prepare, package and evaluate a healthy snack.</p>	<p>Functional and Fancy Fabrics: This project teaches children about home furnishings and the significant designer William Morris. They learn techniques for decorating fabric, including block printing, hemming and embroidery and use them to design and make a fabric sample.</p>	<p>Tomb Builders: This project teaches children about simple machines, including wheels, axles, inclined planes, pulleys, and levers, exploring how they helped ancient builders to lift and move heavy loads.</p>
YEAR 5 (Cycle A)		
Autumn	Spring	Summer
Main project: Dynamic Dynasties	Main project: Sow, Grow and Farm	Main project: Groundbreaking Greeks
<p>Moving Mechanisms: This project teaches children about pneumatic systems. They experiment with pneumatics before designing, making, and evaluating a pneumatic machine that performs a useful function.</p>	<p>Eat the Seasons: This project teaches children about the meaning and benefits of seasonal eating, including food preparation and cooking techniques.</p>	<p>Architecture: This project teaches children about how architectural style and technology has developed over time and then use this knowledge to design a building with specific features.</p>
YEAR 6 (Cycle B)		

DESIGN TECHNOLOGY OVERVIEW

Autumn	Spring	Summer
Main project: Maafa	Main project: Frozen Kingdoms	Main project: Britain at War
<p>Food for Life: This project teaches children about processed food and healthy food choices. They make bread and pasta sauces and learn about the benefits of whole foods. They plan and make meals as part of a healthy daily menu and evaluate their completed products.</p>	<p>Engineer: This project teaches children about remarkable engineers and significant bridges, learning to identify features, such as beams, arches, and trusses. They complete a bridge-building engineering challenge to create a bridge prototype.</p>	<p>Make Do and Mend: This project teaches children a range of simple sewing stitches, including ways of recycling and repurposing old clothes and materials.</p>