









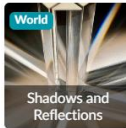









A = 2023/24 B = 2024/25	Autumn Term	Spring Term	Summer Term
Reception	<p><u>Early Learning Goals linked to Design and Technology:</u></p> <p><u>Physical Development</u> - Use a range of small tools, including scissors, paint brushes and cutlery; begin to show accuracy and care when drawing</p> <p><u>Expressive Art and Design</u> – Creating with material; Being imaginative and expressive</p> <p><u>Main Topics:</u></p> <div data-bbox="427 762 544 879">  <p>Me and My Community</p> </div> <p>Create vehicles with wheels and axles.</p> <div data-bbox="427 970 544 1086">  <p>Once Upon a Time</p> </div> <p>Create structures using various resources e.g. construction kits and upcycled materials. Talk about resources, tools and methods used and create a puppet character.</p>	<p><u>Early Learning Goals linked to Design and Technology:</u></p> <p><u>Physical Development</u> - Use a range of small tools, including scissors, paint brushes and cutlery; begin to show accuracy and care when drawing</p> <p><u>Expressive Art and Design</u> – Creating with material; Being imaginative and expressive</p> <p><u>Main Topics:</u></p> <div data-bbox="1003 762 1120 879">  <p>Starry Night</p> </div> <p>Design and make cuddly pets using different textiles.</p> <div data-bbox="1003 995 1120 1112">  <p>Dangerous Dinosaurs</p> </div> <p>Design a dinosaur.</p>	<p><u>Early Learning Goals linked to Design and Technology:</u></p> <p><u>Physical Development</u> - Use a range of small tools, including scissors, paint brushes and cutlery; begin to show accuracy and care when drawing</p> <p><u>Expressive Art and Design</u> – Creating with material; Being imaginative and expressive</p> <p><u>Main Topics:</u></p> <div data-bbox="1559 762 1675 879">  <p>Sunshine and Flowers</p> </div> <p>Explore existing products before designing and making sun hats and crop protectors.</p> <div data-bbox="1559 1027 1675 1144">  <p>Big Wide World</p> </div> <p>Create vehicles using a variety of resources including construction kits. Children will also develop their recipe following skills from the Sparkle and Shine topic by making tortilla pizzas.</p>



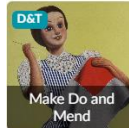
	<p><u>Companion Projects *</u></p> <p> <u>Exploring Autumn</u></p> <p>Make Leafman books.</p> <p> <u>Sparkle and Shine</u></p> <p>Draw, label and make a design for celebration lighting. Look at seasonal food and follow a simple recipe under adult supervision.</p> <ul style="list-style-type: none">• Companion projects may be used in teaching some aspects of the EYFS curriculum with respect to the Early Learning Goals for design and technology.	<p><u>Companion Projects *</u></p> <p> <u>Winter Wonderland</u></p> <p>Make Winter bird food cakes.</p> <p> <u>Puddles and Rainbows</u></p> <p>Create rain makers – developing design and make skills.</p>	<p><u>Companion Projects *</u></p> <p> <u>Shadows and Reflections</u></p> <p>Design, make and test sun-catchers.</p> <p> <u>Splash</u></p> <p>Make ice lollies to develop an understanding of following recipes independently.</p>
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<p>Y1/2 A</p>		<div data-bbox="1003 204 1128 323" data-label="Image"> </div> <p data-bbox="1151 236 1391 268">Shade and Shelter</p> <p data-bbox="994 357 1525 464">Focus: Investigating existing products; Designing and making shelters and dens; Prototypes; Safety rules; Materials.</p> <p data-bbox="994 515 1525 620">Cross-Curricular Links: (Science) Naming everyday materials; Properties and uses of materials.</p> <p data-bbox="994 671 1525 935">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.</p> <div data-bbox="1003 995 1128 1115" data-label="Image"> </div> <p data-bbox="1151 1027 1200 1059">Taxi</p> <p data-bbox="994 1142 1509 1209">Focus: Mechanisms – wheels, axles and chassis</p> <p data-bbox="994 1260 1509 1366">This project teaches children about wheels, axles and chassis and how they work together to make a vehicle move.</p>	<div data-bbox="1568 204 1693 323" data-label="Image"> </div> <p data-bbox="1715 236 1995 268">Chop, Slice and Mash</p> <p data-bbox="1559 357 2096 464">Focus: Sources of food; Food preparation techniques; Hygiene rules; Designing and making salads and sandwiches</p> <p data-bbox="1559 515 2096 778">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 supermarket sandwich according to specific design criteria.</p>
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<p>Y1/2 B</p>	<div data-bbox="432 209 560 335"> </div> <p data-bbox="577 236 835 268">Cut, Stitch and Join</p> <p data-bbox="432 359 963 545">Focus: Everyday fabric products; Significant designer – Cath Kidston; Sewing patterns; Running stitch; Adding embellishments; Designing and making a bag tag</p> <p data-bbox="432 592 963 820">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> <div data-bbox="432 866 560 992"> </div> <p data-bbox="577 866 851 898">Remarkable Recipes</p> <p data-bbox="577 906 884 1054">Focus: Sources of food; Kitchen tools; Reading recipes; Hygiene rules; Making a school meal.</p> <p data-bbox="432 1101 963 1394">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. NB, this is an optional topic and my not be taught in Year 2.</p>	<div data-bbox="1005 212 1133 338"> </div> <p data-bbox="1151 236 1294 268">Beach Hut</p> <p data-bbox="992 359 1482 427">Focus: Structures - strengthening and joining.</p> <p data-bbox="992 474 1482 622">This project teaches children about making and strengthening structures, including different ways of joining materials.</p>	<div data-bbox="1556 209 1684 335"> </div> <p data-bbox="1702 236 1888 268">Push and Pull</p> <p data-bbox="1556 359 2087 507">Focus: Machines and mechanisms; Sliders, levers and linkages; Designing and making greetings cards with moving parts</p> <p data-bbox="1556 553 2087 740">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>
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<p>Y3/4 A</p>	 <p>Cook Well, Eat Well</p> <p>Focus: Food groups; Eatwell guide; Methods of cooking; Cooking appliances; Hygiene rules; Making taco fillings.</p> <p>This project teaches children about food groups and the Eatwell guide. They learn about 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>Making it Move</p> <p>Focus: Cam mechanisms; Designing and making automaton toys; Cutting, joining, strengthening and finishing.</p> <p>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</p> <p>Focus: Features of greenhouses; Significant designers – Sir Joseph Paxton and Sir Nicholas Grimshaw; Strengthening techniques; Using tools and safety rules; Properties of materials; Constructing strong frameworks</p> <p>Cross-Curricular Links: (Science) Requirements of plants for growth and survival; Testing properties of materials; Observation</p> <p>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 strengthen structures and use tools safely. They use their learning to design and construct a mini greenhouse.</p>
<p>Y3/4 B</p>	 <p>Fresh Food, Good Food</p> <p>Focus: Food preservation techniques; Exploring food packaging; Prototypes;</p>	 <p>Functional and Fanciful Fabrics</p> <p>Focus: Fabrics; Design features; Significant designer – William Morris;</p>	 <p>Tomb Builders</p> <p>Focus: Simple and compound machines</p>

	<p>Designing, making and packaging healthy snacks.</p> <p>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>Stitching a hem; Embellishment; Designing and making patterned and embellished fabrics</p> <p>Cross-Curricular Links: (Art, & Design) Motifs and pattern; Nature; Block printing; Embroidery</p> <p>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>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>
<p>Y5/6 A</p>	<div data-bbox="427 794 555 922" data-label="Image"> </div> <p>Moving Mechanisms</p> <p>Focus: Pneumatic systems; Joining and finishing; Iterative design process; Building pneumatic machine prototypes.</p> <p>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>	<div data-bbox="992 794 1120 922" data-label="Image"> </div> <p>Eat the Seasons</p> <p>Focus: Cooking; Nutrition.</p> <p>This project teaches children about the meaning and benefits of seasonal eating, including food preparation and cooking techniques.</p>	<div data-bbox="1556 794 1684 922" data-label="Image"> </div> <p>Architecture</p> <p>Focus: Architecture over time; Greek architecture; Structural support, stiffness and stability; Computer-aided design; Building design</p> <p>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>

<p>Y5/6 B</p>	 <p>Food for Life</p> <p>Focus: Whole foods; Processed foods; Making healthy meals; Hygiene and safety.</p> <p>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</p> <p>Focus: Significant engineers and bridges; Features of bridges; Strengthening techniques; Iterative design; Building prototypes</p> <p>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</p> <p>Focus: Investigating clothing; Sewing – running stitch, whip stitch and blanket stitch; Repairing clothes; Making products from recycled materials</p> <p>This project teaches children a range of simple sewing stitches, including ways of recycling and repurposing old clothes and materials.</p>
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