



Westfield School DT Curriculum Overview



	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception	<p>Marvellous Me</p> <p>Including the opportunity to use a range of constructions kits and experiment to shaping and joining materials.</p>	<p>Terrific Tales</p> <p>Including the opportunity for children to participate in cooking experiences making gingerbread biscuits and porridge.</p>	<p>Long Ago</p> <p>Including the opportunity to construct buildings from a range of construction kits and materials.</p> <p>Stories and rhymes</p> <p>Including the opportunity to create vehicles with wheels and axles.</p>	<p>Ready, Steady, Grow</p> <p>Including the opportunity to design and make tractors for cardboard and other materials.</p> <p>Signs of Spring</p> <p>Including the opportunity to explore how nests are made and experiment with a range of materials.</p>	<p>Animal Safari</p> <p>Including the opportunity to construct animal masks.</p> <p>Creep, Crawl and Wiggle</p> <p>Including the opportunity to explore weaving inspired by spider's webs.</p>	<p>On the Beach</p> <p>Including the opportunity to design, make and evaluate models of sea vehicles from a range of materials.</p> <p>Move it</p> <p>Including opportunities to experiment with water and moving water through a range of resources.</p> <p>Moving on</p> <p>Including the opportunity for children to work on together on shared construction ideas.</p>
Year 1			<p>Shade and Shelter</p> <p>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>		<p>Chop, Slice and Mash</p> <p>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>	
Year 2				<p>Remarkable Recipes</p> <p>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</p>	<p>Cut, Stitch and Join</p> <p>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</p> <p>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>

				school meal that fulfils specific design criteria.		
Year 3		2d to 3d- textiles This project teaches children about fabric construction and joining textiles to make a Christmas Stocking.	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.		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 strengthen structures and use tools safely. They use their learning to design and construct a mini greenhouse.	
Year 4			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.		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.	
Year 5		Mend and Make Do This project teaches children a range of simple sewing stitches, including ways of recycling and repurposing old clothes and materials.	Eat the Seasons This project teaches children about the meaning and benefits of seasonal eating, including food preparation and cooking techniques.		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.	
Year 6	World War II memorials		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.		Make Do and Mend This project teaches children a range of simple sewing stitches, including ways of recycling and repurposing old clothes and materials.	

