

<p style="text-align: center;">Swanton Morley VC Primary School</p> <p style="text-align: center;">Design and Technology</p> <p style="text-align: center;">CURRICULUM MAP</p> <p><i>Design Technology plays a central role in learning. It encourages children to apply knowledge and understanding from other areas of learning in a meaningful and purposeful way. They explore the work of designers, architects and engineers making links between their work and that of their own. Children are equipped with the knowledge, skills and experience to develop into creative thinkers. Pupils are encouraged and supported to solve real life and relevant problems within a range of contexts through the processes of designing, investigating, making and evaluating.</i></p>			EYFS			Key Stage 1: Year 1		
			AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER
			<p>Design and make: Lift the flap books</p> <p>(Links to English language and literacy)</p> <p>Exploring construction materials</p>	<p>Exploring construction materials</p> <p>Food and Nutrition: Healthy eating</p> <p>(Links to 'All About Me' topic)</p>	<p>Structures: Boats and bridges</p> <p>(Links to science - floating and sinking)</p>	<p>Modelling: Design, make and evaluate toys from the past - hobby horses and aeroplanes</p> <p>(Links to history- toys from the past)</p>	<p>Textiles: Design, make and evaluate puppets - stick and finger</p> <p>(Links to English - retelling a story using puppets)</p> <p>(Links to science - materials)</p>	<p>Structures: Make and evaluate the strength and stability of various structures</p> <p>Modelling: Design, make and evaluate a mini-beast home</p> <p>(Link to science - Animals)</p>
Key Stage 1: Year 2			Key Stage 2: Year 3			Key Stage 2: Year 4		
AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER
<p>Mechanisms: Design, make and evaluate photo frames</p> <p>Food & Nutrition: Healthy eating - snacks</p>	<p>Textiles: Design and make Joseph's coat</p> <p>(Links to RE - Bible stories)</p> <p>(Links to science - Materials)</p>	<p>Textiles: Design, make, evaluate and test sandals</p> <p>(Links to science - Materials)</p>	<p>Design, make and evaluate jewellery</p> <p>(Links to history - Egyptians)</p>	<p>Scale modelling: Designing and constructing a scale model of a familiar structure</p> <p>(Links to history)</p> <p>Structures: Design, make and evaluate shelters</p>	<p>Mechanisms: Design, make and evaluate a water-lifting devise (Shaduf) based on pivots and levers.</p> <p>(Links to geography - River Nile)</p> <p>Textiles: Beanbags and stuffed animals</p>	<p>Electrical circuits: Design, build, evaluate and test alarms for a given purpose</p>	<p>Mechanisms: Design, build, test and evaluate pop-up story books involving moving parts</p> <p>Food & Nutrition: Evaluate the diet of the Ancient Greeks</p> <p>(Links to history)</p>	<p>Textiles: Design, build and evaluate money pouches, containers and wallets</p>
Key Stage 2: Year 5			Key Stage 2: Year 6			Visits, Trips and 'Special' Days/Events		
AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER
<p>Food & Nutrition: Investigating healthy food alternatives</p> <p>Key people: Engineers, inventors and designers who have helped shape the world we live in</p>	<p>Textiles: Exploring weaving</p> <p>(Links to history - Mayans)</p>	<p>Structures: Study and evaluation of strength and stiffness</p> <p>Mechanisms: Cams and levers – Design, build and test devices that serve a practical purpose</p>	<p>Signalling systems: Investigating using electricity to communicate in Morse and other codes (of own design)</p>	<p>Victorian technology and invention: Solving problems involving structures and investigating material properties, strength and geometric shapes used in industry and construction</p>	<p>STEM project: Goblin Racers, automotive technology and vehicle design</p> <p>Food & Nutrition: Constructing and evaluating a healthy lunchbox (Links to English - instruction writing)</p>	<p>UKS2 food nutrition and cooking</p> <p>Year 1 trip to Strangers Hall – toys from the past</p>	<p>LKS2 food nutrition and cooking</p>	<p>Whole school STEM projects during Science days</p> <p>KS1/EYFS cooking</p> <p>Food & Nutrition: 'Junior Bake Off' competition</p>