

STRATFORD-SUB-CASTLE DESIGN TECHNOLOGY SUBJECT OVERVIEW

YEARS 1/2/3						
	Topic 1 Term 1	Topic 2 Term 2	Topic 3 Term 3 & 4		Topic 4 Term 5 & 6	
<u>Map A (2019-20, 2022-23, 2025-26)</u>		<p style="text-align: center;"><u>Textiles</u></p> <p>Templates and joining techniques</p> <p>Sewing</p> <ul style="list-style-type: none"> • flag / banner • Christmas tree decoration / stocking <p>LINK – Christmas</p>		<p style="text-align: center;"><u>Mechanisms</u></p> <p>Wheels and axles</p> <p>Product</p> <p>Vehicles for travel- lego characters</p> <p>LINK- History Significant Individuals/events</p> <p>Christopher Columbus & Captain Scott</p>		<p style="text-align: center;"><u>Food</u></p> <p>Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)</p> <p>1/2 Pirate Paddys packed lunch problems</p> <p>2/3 dips and dippers</p>
<u>Map B (2020-21, 2023-24, 2026-27)</u>		<p style="text-align: center;"><u>Food</u></p> <p>Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)</p> <p>1/2 fruit salad -</p> <p>Christmas COOKIES</p> <p>2/3 BISCUITS SWEET AND SAVORY Christmas CAKES</p> <p>= Healthy meal LESSONS</p> <p>LINK - Humans</p> <ul style="list-style-type: none"> • nutrition 		<p style="text-align: center;"><u>Structures</u></p> <p>Freestanding structures</p> <p style="text-align: center;">Structure</p> <p>Build a house</p> <p>STAND ALONE</p> <p style="text-align: center;">Textiles</p> <p>Templates and joining techniques</p> <p>Product- WINDSOCKS AND BUNTING</p> <p>School garden / grounds / environment</p>	<p style="text-align: center;"><u>Mechanisms</u></p> <p>Sliders and levers</p> <p>1/2 Moving pictures</p> <p>LINK- traditional tales</p>	
<u>Map C (2021-22, 2024-25, 2027-28)</u>	<p style="text-align: center;"><u>Food</u></p> <p>Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)</p> <p>SENSATIONAL SALADS Using local produce – where our food comes from</p> <p>LINK- Plants</p> <ul style="list-style-type: none"> • life cycles • functions of plant parts 		<p style="text-align: center;"><u>Textiles</u></p> <p>Templates and joining techniques</p> <p>PRODUCT – puppets</p> <p>LINK- Toys and Technology</p>		<p style="text-align: center;"><u>Mechanisms</u></p> <p>YEAR 1/2 POP UP PICTURES</p> <p>YEAR 2/3 MOVING MONSTERS</p> <p>pneumatics</p>	

YEARS 4/5/6

	Topic 1 Term 1	Topic 2 Term 2	Topic 3 Term 3 & 4	Topic 4 Term 5 & 6
<p><u>Map A</u> <u>(2019-20,</u> <u>2022-23,</u> <u>2025-26)</u></p>		<p>Electrical Systems Simple circuits and switches (including programming and control) Lights (4/5) Electrical Control <i>Y4/5: Using a bulb with a switch (e.g. lights, torch)</i></p> <p>Electrical Systems More complex switches and circuits (including programming, monitoring and control) <i>Y5/6: Using a motor (e.g. vehicle with chassis and base)</i> STAND ALONE UNIT</p>	<p>Food Healthy and varied diet (including cooking and nutrition requirements for KS2) The Great British Bake Off Cooking/ Enterprise Unit Cooking <i>Y4/5: The great Baking (e.g. sweet/ savoury scones, biscuits or cakes)- BAKE SALE</i></p> <p>Food Celebrating culture and seasonality (including cooking and nutrition requirements for KS2) <i>Y5/6: Multi-step (e.g. bread, pizza BAKE SALE</i> LINK- Easter (Christianity) Animals, including Humans-nutrition Diet,</p>	<p>Computer Aided Design Structures Shell structures (including computer-aided design) <i>Y4/5: Kites - frame structures</i></p> <p>Textiles Combining different fabric shapes (including computer-aided design) <i>Y5/6: ECO FABRIC BAGS</i></p>
<p><u>Map B</u> <u>(2020-21,</u> <u>2023-24,</u> <u>2026-27)</u></p>		<p>Mechanical Systems Levers and linkages <i>Y4/5: Pop up/moving books</i></p> <p>5/6 Mechanical Systems Pulleys or gears YEAR 5/6 FAIRGROUNDS - motor belts and pulleys</p>	<p>Electrical Systems Simple circuits and switches (including programming and control) 4/5 Light up toy</p> <p>5/6 Electrical Systems More complex switches and circuits (including programming, monitoring and control)</p> <p>Moving toy -Control Mechanism- Cam</p>	<p>Textiles 4/5 2-D shape to 3-D product- JUGGLING BALLS 5/6 Textiles Combining different fabric shapes (including computer-aided design) Sewing- Functioning item- . pencil case</p> <p>Short Unit on....</p> <p>Food Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p> <p>Seasonal food – WHERE DOES OUR FOOD COME FROM – MAKE A HEALTHY MEAL – INVITE GUESTS?</p>
<p><u>Map C</u> <u>(2021-22,</u> <u>2024-25,</u> <u>2027-28)</u></p>	<p>Food Healthy and varied diet (including cooking and nutrition requirements for KS2) <i>Y4/5: EDIBLE GARDEN</i></p> <p>Food Celebrating culture and seasonality (including cooking and nutrition requirements for KS2) <i>Y5/6: Global and seasonal food</i></p>		<p>Mechanical Systems Levers and linkages Year 4/5 Mechanical Posters</p> <p>Mechanical Systems 5/6 Cams Year 5/6 Automata Animals</p>	<p>Computer Aided Design Structures Shell structures (including computer-aided design) <i>Y4/5: Marble runs</i></p> <p>Structures Frame structures <i>Y5/6: SHELTERS</i></p>