

Design and Technology Whole School Long Term Overview 2023/24

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<p><i>My family/All about Me -</i></p> <p><u>Creating with materials/Being imaginative and expressive</u></p> <p>Skills taught based on children's needs/ opportunities</p> <p>Cutting skills</p> <p>Attaching things together</p>	<p><i>People who help us.</i></p> <p><u>Creating with materials/Being imaginative and expressive</u></p> <p>Skills taught based on children's needs/ opportunities –</p> <p>Designing and making an emergency vehicle</p>	<p><i>Traditional tales</i></p> <p><u>Creating with materials/Being imaginative and expressive</u></p> <p>Skills taught based on children's needs/ opportunities</p> <p>Designing and making a bag</p> <p>Making a gingerbread man</p>	<p><i>Superheroes</i></p> <p><u>Creating with materials/Being imaginative and expressive</u></p> <p>Skills taught based on children's needs/ opportunities - LTP</p> <p>U+W (The world)</p>	<p><i>British Wild life Bugs</i></p> <p><i>Life</i></p> <p><u>Creating with materials/Being imaginative and expressive</u></p> <p>Skills taught based on children's needs/ opportunities - LTP</p> <p><u>Fruit pot</u></p>	<p><i>Changes</i></p> <p><u>Creating with materials/Being imaginative and expressive</u></p> <p>Skills taught based on children's needs/ opportunities - LTP</p> <p>U+W (The world)</p> <p>Health & Self Care (foods)</p> <p>Musical instrument</p>
1	<p><i>Why do we play with different toys as we grow older?</i></p> <p>D&T Individual: Ole Kirk Christianson</p>	<p><i>Hello, I'm new here: How does it feel to be in year 1.</i></p> <p><u>STRUCTURES</u></p> <p>Freestanding Structures</p> <p>Playground equipment</p> <p>Science (Keeping Healthy/Materials)</p>	<p><i>What can we learn about our world from stories?</i></p> <p><u>TEXTILES</u></p> <p>Templates & Joining Techniques</p> <p>Science (Materials)</p> <p>Finger puppet</p>	<p><i>Starry Night</i></p>	<p><i>Why is water so precious?</i></p>	<p><i>Where will we go for a great day out?</i></p> <p><u>Food & Nutrition</u></p> <p>Preparing Fruit & Vegetables</p> <p>DIPS & DIPPERS (VEG)</p>
2	<p><i>Can party food be healthy?</i></p> <p><u>Food & Nutrition</u></p> <p>Preparing Fruit & Vegetables</p> <p>Possible end product</p> <p>Wrap fillings</p> <p>Science (Keeping Healthy)</p>	<p><i>London's Burning!</i></p> <p><i>Pride of place</i></p>	<p><i>Iceberg right ahead</i></p> <p><u>MECHANISMS</u></p> <p>Wheels & Axels</p> <p>D&T Individual: Charles Macintosh</p> <p>Science (Materials)</p> <p>Moving vehicle</p>	<p><i>Paws,Claws and Roars!</i></p>	<p><i>What makes us like other animals?</i></p>	<p><i>How did families have fun in the past?</i></p> <p><u>MECHANISMS</u></p> <p>Sliders & Levers</p> <p>MOVING PICTURE</p>
3	<p><i>Bright-Sparks - How does electricity work?</i></p> <p><u>ELECTRICAL SYSTEMS</u></p> <p>Simple Circuits & Switches</p> <p>House with alarm/light switch</p> <p>D&T Individual: Thomas Edison</p> <p>Science (Electricity)pElectrical systems</p>	<p><i>The Time Travellers</i></p> <p><i>Who were the greatest builders in the world?</i></p>	<p><i>Let's go on an adventure</i></p> <p><u>MECHANICAL SYSTEMS</u></p> <p>Linkages & Levers</p> <p>Moving puppet</p> <p>D&T Individual: The Wright Brothers</p> <p>Science (Forces & Friction)</p>	<p><i>A picture paints a thousand words...</i></p>	<p><i>Are Bugs important?</i></p>	<p><i>How can we make living here better for everyone?</i></p> <p><u>Food & Nutrition</u></p> <p>Healthy & Varied Diet</p> <p>This could be undertaken in Autumn 2</p> <p>FLAT BREADS or HEALTHY SANDWICH (BREAD MAKING)</p>
4	<p><i>Audio Visual</i></p> <p><u>TEXTILES</u></p> <p>2D to 3D Product</p> <p>Eye mask</p> <p>D&T Individual: Alexander G. Bell</p> <p>Science (Sound & Light)</p>	<p><i>Invasion!</i></p> <p><i>Why do we speak English at school?</i></p>	<p><i>Mmm chocolate!</i></p> <p><i>Should we stop eating chocolate?</i></p> <p><u>STRUCTURES</u></p> <p>Shell Structure</p> <p>(+Computer aided design)</p> <p>D&T Individual: John Cadbury</p> <p>CHOCOLATE PACKAGE</p>	<p><i>From a railway carriage</i></p>	<p><i>What happens inside us?</i></p>	<p><i>European Regional Study</i></p> <p><u>Food & Nutrition</u></p> <p>Healthy & Varied Diet</p> <p>PASTA SALAD and Seasonal Food</p>
5	<p><i>Mysterious Materials - what is it made of?</i></p> <p>D&T Individual: Stephanie Kwolek invented Kevlar</p> <p>Science (Materials-dissolving etc.)</p>	<p><i>Under Siege.</i></p> <p><i>Will it be over by Christmas?</i></p> <p><u>STRUCTURES</u></p> <p>Frame Structure</p> <p>Designing/making a tent</p>	<p><i>The Fairground</i></p> <p><u>MECHANICAL SYSTEMS</u></p> <p>Pulleys + Electrical Systems</p> <p>Fairground rides</p> <p>Ferris wheel/carousel</p> <p>Science (Electricity, Forces etc.)</p>	<p><i>Not far from anywhere and quite near somewhere?</i></p>	<p><i>Following in Darwin's Footsteps.</i></p>	<p><i>Who are we? Why do we live here?</i></p> <p><u>Food & Nutrition</u></p> <p>Celebrate Culture & Seasonality</p> <p>PIZZA</p>
6	<p><i>Out of this world - What is out there?</i></p> <p><u>ELECTRICAL SYSTEMS</u></p> <p><u>Space buggy</u></p> <p>More Complex Switches & Circuits</p> <p>(Include program, monitor & control)</p> <p>D&T Individual: Ada Lovelace</p> <p>Science (Space)</p>	<p><i>Bah Humbug!</i></p>	<p><i>Into the unknown. Why does Antartica matter?</i></p> <p><u>Food & Nutrition</u></p> <p>Celebrate Culture & Seasonality</p> <p>Savoury muffin/scone or soup</p> <p>Science (Evolution)</p>	<p><i>Evolve and Grow!</i></p>	<p><i>The Great UK Geographical Challenge</i></p>	<p><i>How successful are we as entrepreneurs?</i></p> <p><u>TEXTILES</u></p> <p>Combining different Fabric Shapes</p> <p>(+Computer aided design)</p> <p>D&T Individual: Steve Jobs</p> <p>MOBILE PHONE / TABLET CASE</p>