



## D.T Overview 2022-2023

D.T Overview	Autumn	Spring	Summer
Foundation	<p><b><u>Textiles - Necklaces,</u></b> <b><u>Junk modelling monsters,</u></b> <b><u>Cooking - pumpkin soup.</u></b></p> <ul style="list-style-type: none"> <li>• Begin to learn to design</li> <li>• Find the right tools for the job</li> <li>• What is being made and why?</li> <li>• Practise threading</li> </ul>	<p><b><u>Cooking -Cookies,</u></b> <b><u>Junk modelling boats,</u></b> <b><u>Enterprise,</u></b></p> <ul style="list-style-type: none"> <li>• Use ingredients and utensils</li> <li>• Learn new vocabulary</li> <li>• Work collaboratively</li> <li>• Explore ingredients</li> </ul>	<p><b><u>Mechanism - Emergency vehicles,</u></b> <b><u>Cooking - Seasonal dish</u></b></p> <ul style="list-style-type: none"> <li>• Explore how things work</li> <li>• Articulate ideas</li> <li>• Following a design</li> <li>• Explore temporary joins and combine materials</li> </ul>
KS1 Cycle A	<p><b><u>Structure - Christmas decoration</u></b></p> <ul style="list-style-type: none"> <li>• Create a questionnaire</li> <li>• Apply knowledge of enterprise</li> <li>• Design a functional and appealing product</li> <li>• Develop an understanding of more complex joins</li> </ul>	<p><b><u>Textiles - Animal puppets,</u></b> <b><u>Enterprise</u></b></p> <ul style="list-style-type: none"> <li>• Compare stitching and use a new technique</li> <li>• Thread a needle and use various material types</li> <li>• Follow a template and develop skill of cutting</li> <li>• Explore different ways of joining fabrics</li> </ul>	<p><b><u>Cooking -</u></b> <b><u>Smoothies</u></b></p> <ul style="list-style-type: none"> <li>• Use new kitchen equipment</li> <li>• Follow market research</li> <li>• Begin to think about packaging</li> <li>• Explore new foods and taste test</li> </ul>
KS1 Cycle B	<p><b><u>Structures - Christmas decoration</u></b></p> <ul style="list-style-type: none"> <li>• Research product preferences</li> <li>• Make based on design criteria</li> <li>• Evaluate and amend</li> <li>• Consider the needs of the user</li> </ul>	<p><b><u>Textiles - Passport holder,</u></b> <b><u>Enterprise</u></b></p> <ul style="list-style-type: none"> <li>• Create their own template</li> <li>• Explain their choice of material</li> <li>• Choose an appropriate stitch</li> <li>• Develop skill of pinning to hold material in place</li> </ul>	<p><b><u>Cooking - Chocolates</u></b></p> <ul style="list-style-type: none"> <li>• Taste and critique in order to make decisions</li> <li>• Research popular brands</li> <li>• Create a unique product for a consumer</li> <li>• Consider customer requests to inform product</li> </ul>

Year 3	<p><b><u>Cooking - Stone-age bread</u></b></p> <ul style="list-style-type: none"> <li>• Research existing products</li> <li>• Evaluate and re-make if necessary</li> <li>• Make for a range of consumers.</li> </ul>	<p><b><u>Structures - Biomes, Enterprise</u></b></p> <ul style="list-style-type: none"> <li>• Ensure materials are suitable for purpose</li> <li>• Work and measure accurately</li> <li>• Research products from around the world</li> <li>• Investigate how to create strong and stable structures</li> </ul>	<p><b><u>Mechanical systems - Sarcophagus</u></b></p> <ul style="list-style-type: none"> <li>• Use simple pneumatic mechanisms</li> <li>• Select and use appropriate tools</li> <li>• Understand who this is for</li> <li>• transform simple materials in to a product</li> </ul>
Year 4	<p><b><u>Cooking - Christmas cookies</u></b></p> <ul style="list-style-type: none"> <li>• Understand food hygiene</li> <li>• Design packaging</li> <li>• Use technical vocabulary</li> <li>• Suggest improvements</li> </ul>	<p><b><u>Textiles - Tie dye bags</u></b></p> <ul style="list-style-type: none"> <li>• Use good graphic design, sketch and label</li> <li>• Build on previously learned stitches</li> <li>• Use a variety of materials and consider the appropriate stitch</li> <li>• Carefully consider the audience</li> </ul>	<p><b><u>Electrical mechanisms - Illuminated picture</u></b></p> <ul style="list-style-type: none"> <li>• Consider the purpose of the product</li> <li>• Incorporate programming into the picture</li> <li>• Evaluate against appearance and purpose</li> <li>• Consider making prototypes</li> </ul>
Year 5	<p><b><u>Cooking - Viking dishes</u></b></p> <ul style="list-style-type: none"> <li>• Compare Viking diets with modern living</li> <li>• Produce a step-by-step plan</li> <li>• Understand seasonality</li> <li>• Amend recipe to suit taste</li> </ul>	<p><b><u>Enterprise</u></b></p> <ul style="list-style-type: none"> <li>• Plan and carry out market research</li> <li>• Decide on the target audience</li> <li>• Investigate and analyse a range of existing products</li> <li>• Know that designers take inspiration from history</li> </ul>	<p><b><u>Electrical systems - Bridge construction, Mechanical systems - Implement of torture</u></b></p> <ul style="list-style-type: none"> <li>• Begin to suggest alternative plans</li> <li>• Use a range of tools and equipment competently</li> <li>• Use prototypes to inform final product</li> </ul> <p>Use exploded diagrams and electronic devices</p>
Year 6	<p><b><u>Textiles - bags</u></b></p> <ul style="list-style-type: none"> <li>• Follow and refine plans</li> <li>• Justify when plans do/do not follow the market research and have evidence to support</li> <li>• Test a product to ensure an accurate evaluation</li> <li>• Explore embroidery stitching to enhance product</li> </ul>	<p><b><u>Enterprise</u></b></p> <ul style="list-style-type: none"> <li>• Carry out market research directly with potential consumers</li> <li>• Design an attractive and useful product</li> <li>• Evaluate the success of their product after the sale</li> <li>• Justify changes made to designs</li> </ul>	<p><b><u>Cooking - War time meal, Mechanisms - Moving toy</u></b></p> <ul style="list-style-type: none"> <li>• Apply the rules of food groups</li> <li>• Know that recipes can be adapted</li> <li>• Discuss food storage</li> <li>• Plan a test in order to evaluate the product</li> <li>• Evaluate against consumer comments</li> </ul>