

# TBS Curriculum Map

Year: ...9....

Subject: .....Technology .....

	<b>Resistant Materials</b>	<b>Textiles</b>	<b>Graphics</b>	<b>Food [FPN]</b>
<b>Theme/Topic</b>	Mechanisms - mechanical toys	Manufacturing through textiles (bag and shorts project)	Paper and boards (branding and advertising )	Eats Meats and Treats
<b>Skills</b>	<p><u>Designing Skills:</u></p> <ul style="list-style-type: none"> <li>Evaluate mechanical systems – levers, Cams, linkages, Gears and pulleys</li> <li>To design within the constraints of mechanisms and task.</li> <li>Design graphics for a pin ball game</li> </ul> <p><u>Making skills:</u></p> <ul style="list-style-type: none"> <li>To produce a range of different mechanical toys using mechanisms to operate</li> <li>To select and use hand tools appropriately.</li> <li>To use the pillar drills/sanding machine safely.</li> <li>To develop an understanding of mechanical systems that create movement</li> </ul>	<p><u>Designing skills:</u></p> <ul style="list-style-type: none"> <li>How to select and use tools/equipment and processes to produce quality products</li> <li>Using market research e.g. questionnaires</li> <li>Fashion designing</li> <li>Illustrator designs</li> <li>Key terms</li> </ul> <p><u>Making skills:</u></p> <ul style="list-style-type: none"> <li>Investigate and select appropriate materials and components</li> <li>Pattern cut and model ideas</li> <li>Insert a zip/make a button-hole</li> <li>Use a computerised sewing machine</li> <li>Experiment with a range of traditional and contemporary decorative techniques</li> <li>Reflect critically when evaluating and modifying designs and</li> </ul>	<p><u>Designing Skills:</u></p> <ul style="list-style-type: none"> <li>To be able to use computer graphic software (adobe / 2D design etc)</li> <li>Typography- free hand sketching and development</li> <li>CAD/CAM</li> <li>Market research</li> <li>Printing techniques</li> <li>Branding and advertising – layout, composition, rule of thirds, negative space</li> </ul> <p><u>Making skills:</u></p> <ul style="list-style-type: none"> <li>To produce a range of branding and advertising products</li> <li>Develop a range of printing techniques</li> <li>To select and use graphic equipment appropriately.</li> <li>Develop skills using CAM</li> </ul>	<p><u>Designing Skills:</u></p> <ul style="list-style-type: none"> <li>To be able to use a range of kitchen equipment.</li> <li>To understand safe working procedures in a food room</li> <li>Use of electrical equipment</li> <li>The ability to produce a range of high quality food products.</li> <li>To know how food combining works</li> <li>Recipe engineering</li> <li>Dovetailing /sequencing of recipes</li> </ul> <p><u>Making skills:</u></p> <ul style="list-style-type: none"> <li>To produce family meals</li> <li>Food for gifts and celebrations</li> <li>Developing cooking skills and techniques</li> <li>Finishing /decorative techniques</li> <li>Presentation of foods</li> </ul>

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		proposals in order to improve the product through inception and manufacture		
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>To understand explain different types of mechanical systems and devices</li> <li>To understand different motions and movements using mechanisms.</li> </ul>	<ul style="list-style-type: none"> <li>To know a wide range of techniques used to decorate fabric</li> <li>Construction techniques: inserting a zip, adding a pocket and inserting a casing</li> <li>How to achieve quality</li> </ul>	<ul style="list-style-type: none"> <li>To understand printing techniques and its application in industry</li> <li>To have knowledge of branding and advertising within the real world</li> <li>To understand the importance of a selection of graphic components</li> </ul>	<ul style="list-style-type: none"> <li>Functions of ingredients</li> <li>Food science</li> <li>Food commodities</li> <li>Vegetarianisms</li> <li>Allergens and allergies</li> <li>Food choices</li> <li>Ethical food choices</li> <li>Food labels</li> </ul>
<b>Cultural Capital</b>	<ul style="list-style-type: none"> <li>Design engineering that have helped shape the world</li> </ul>	<ul style="list-style-type: none"> <li>6 Rs and sustainable design</li> <li>Unisex designs</li> <li>Ethical fashion designing</li> </ul>	<ul style="list-style-type: none"> <li>Graphics in industry</li> <li>The study of different cultures to identify and understand user needs</li> </ul>	<ul style="list-style-type: none"> <li>Food in industry</li> <li>Recycling</li> <li>Food production</li> <li>Animal Aid speaker</li> <li>Fairtrade</li> <li>Rotary Young Chef</li> <li>Charity Event</li> </ul>
<b>Curriculum overlap</b>	<ul style="list-style-type: none"> <li>Science – physics</li> </ul>	<ul style="list-style-type: none"> <li>Science</li> <li>Geography</li> </ul>	<ul style="list-style-type: none"> <li>Business studies</li> <li>Art and design</li> </ul>	<ul style="list-style-type: none"> <li>Geography</li> <li>PSHCE</li> </ul>