



**3D Design & Technology : All-Through Curriculum**

Year	T1	T2	T3	T4	T5	T6
EYFS	<b>Super Me/Autumn</b>  Clay hedgehogs Manipulation, shape/form Super me biscuits - cooking	<b>Celebrations</b>  Bendy Leg Elfs – concertina folding, cutting Christmas Cards – folding, cutting Diya – Clay Lanterns – folded, cut, joined Christmas Decorations – salt dough Gingerbread men - cooking	<u><b>Once upon a time...</b></u>  Puppets – joining Tasting – Chinese New Year  Houses – Construction  Pancakes	<u><b>If you go down to the woods today...</b></u>  Clay bear faces/ footprints  Bear rice cakes/toast - cooking  Easter cards	<u><b>Minibeast</b></u>  Bug hotel – construction  Minibeasts – salt dough  Fruit kebabs/fruit tasting – cooking	<u><b>Pirates</b></u>  Pirate Flags – sewing, fabric cutting, sticking
1		<u><b>Food and nutrition</b></u> Healthy eating leads onto to making a Christmas cookie, Design and make packaging for a cookie	<u><b>Design, make, and evaluate</b></u> Moving picture using a slider		<u><b>Design, make and evaluate</b></u> Picture using a moving part – knight using split pins and drawbridge for a castle	
Golden Threads		D M	D M		D M E	
2	<u><b>Food: Design/ make/ evaluate</b></u>  Bread making	<u><b>Design, make, evaluate Technical knowledge/ mechanisms</b></u>  Christmas Cards		<u><b>Design, make, evaluate Structures &amp; stability</b></u>  Recycled Material Marble Run	<u><b>Food:</b></u>  Australian Cooking	<u><b>Design, make, evaluate - Textiles</b></u>  Flags
Golden Threads		D M E	D M E		D M E TK	D M E
3	<u><b>Salt Dough making dough and sculpting Necklaces</b></u>	<u><b>Christmas Decoration</b></u>	<u><b>Topic – Why are polar bears hungry?</b></u>	<u><b>Design/make/ evaluate</b></u>  Topic – Bronze Age	<u><b>Design/make/ evaluate 3D model</b></u>  Topic – Extreme Earth Quake and Shake	<u><b>Designing/textiles</b></u>  Topic – Ancient Egyptians Gifts From The Nile Sewing – snake



	Topic - Stone Age worn as part of the stone age day.		Climate change Polar Bear Soap Sculptures  Making a healthy balanced meal – cooking go to Waitrose and by ingredients. Return to chop and eat.  Topic - Science – Animals, including humans	Designing and making a lunula necklace using cardboard and pasta	Volcano model	Silhouette headdress  Model of the River Nile
Golden Threads	DM		DM	DM		DM
4	<u>Mechanisms and structures</u>  <u>Viking long-ships</u>		<u>Construction</u>  Making Roman sandals		<u>Cooking and Nutrition</u>  Making Mexican tortillas	<u>Textiles</u>  Weaving a Mayan fabric
Golden Threads	ME		ME		ME	ME
5	<u>Textiles /Sewing Design, Make, Evaluate</u> DT Topic - 1066 Sewing (cross-stitching, running stitch)  Designing and creating a shield cross-stitch based on Normans and Anglo-Saxons shields.			<u>Technical Knowledge Design, Make, Evaluate</u> DT  Garden project (allotment/mini greenhouse/mechanisms)	<u>Cooking and Nutrition</u>  Traditional Indian cooking	
Golden Threads	DME	DME	DME TK	DME	TK	TK
6	<u>Cooking and Nutrition Design, Make, Evaluate</u>  Victoria Sponge	<u>Textiles /Sewing Design, Make, Evaluate</u>  Christmas Tree ornaments	<u>Technical Knowledge Design, Make, Evaluate</u>  Air Raid Shelters	<u>Cooking and Nutrition</u>  Healthy snacks for SLT	<u>Mechanisms</u> - STEAM Project – Rube Goldberg Machine	<u>Design/ Make/Evaluate</u>  Product related to Enterprise Week



Golden Threads	D M E	D M E	D M E	D M	D M	D M
7	<p><b><u>Wooden Phone Stand Project</u></b> Introduction to Design and designers. Phillipe Stark Responding to a brief. Design Specification Design sketching and annotation Product research and design inspiration</p>	<p>Health and safety PPE Tools and Materials Marking Out Modifying Finishing</p>	<p><b><u>Wooden Phone Stand Project</u></b> Introduction to Design and designers. Phillipe Stark Responding to a brief. Design Specification Design sketching and annotation Product research and design inspiration</p>	<p>Health and safety PPE Tools and Materials Marking Out Modifying Finishing</p>	<p><b><u>Wooden Phone Stand Project</u></b> Introduction to Design and designers. Phillipe Stark Responding to a brief. Design Specification Design sketching and annotation Product research and design inspiration</p>	<p>Health and safety PPE Tools and Materials Marking Out Modifying Finishing</p>
Golden Threads	D M E TK		D M E TK		D M E TK	
8	<p><b><u>Felt Novelty Clock Project</u></b> Arts and crafts Movement William Morris Responding to a brief. Design sketching and annotation Design specification. Product analysis</p>	<p>Tools and Materials Felt making Applique Pattern making Marking out Modifying Finishing Sewing techniques</p>	<p><b><u>Felt Novelty Clock Project</u></b> Arts and crafts Movement William Morris Responding to a brief. Design sketching and annotation Design specification. Product analysis</p>	<p>Tools and Materials Felt making Applique Pattern making Marking out Modifying Finishing Sewing techniques</p>	<p><b><u>Novelty Clock Project</u></b> Arts and crafts Movement William Morris Responding to a brief. Design sketching and annotation Design specification. Product analysis</p>	<p>Tools and Materials Felt making Applique Pattern making Marking out Modifying Finishing Sewing techniques</p>
Golden Threads	D M E TK		D M E TK		D M E TK	
9	<p><b><u>Keepsake Box</u></b> Responding to a brief. Art Deco research 2D Design CAD/CAM Design Sketching Orthographic and isometric drawing</p>	<p>Materials research - wood acrylic Wood Joints Tools and equipment Marking out modifying Finishing Laser cutter</p>	<p><b><u>Keepsake Box</u></b> Responding to a brief. Art Deco research 2D Design CAD/CAM Design Sketching Orthographic and isometric drawing</p>	<p>Materials research - wood acrylic Wood Joints Tools and equipment Marking out modifying Finishing Laser cutter</p>	<p><b><u>Keepsake Box</u></b> Responding to a brief. Art Deco research 2D Design CAD/CAM Design Sketching Orthographic and isometric drawing</p>	<p>Materials research - wood acrylic Wood Joints Tools and equipment Marking out modifying Finishing Laser cutter</p>
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10	<b>Foundation Skills</b> Following the theme of <b>STRUCTURES</b> Observational drawing techniques in 2 and 3d Introduction to model making in card	Zaha Hadid Deconstructivism Biomimicry Fibonacci spiral Perspective drawing and introduction to product design sketching Design Development using research	Lampshade Outcome Product research Outcome using tissue paper and withies sticks to create a lampshade based on Structures. <b>Pop Art /Space Age Project</b> Responding to brief- Jewellery or Mirror in Frame	CAD/CAM Personal investigation experimenting with materials, Acrylic, Plywood. Modelling Developing ideas. Presentation Evaluation of process Outcome	<b>Sustained Portfolio Project</b>  <b>TBC</b>	<b>Mock Exam</b>
Golden Threads	D M E TK	D M E TK	D M E TK	D M E TK	D M E TK	D M E TK
11	<b>Sustained Portfolio Project</b>	<b>Coursework Practical Exam</b>	<b>ESA</b>	<b>ESA</b>	<b>Course ended</b>	<b>Course ended</b>
Golden Threads	D M E TK	D M E TK	D M E TK	D M E TK		

### Golden Threads -

- Design
- Make
- Evaluate
- Technical knowledge