

## CURRICULUM MAP- Year 8 Bird Box/ Bug House

**Resistant Materials:** In Year 8 students will develop and continue to enhance their knowledge of technological drawing techniques. They will also complete a design and make project using and developing knowledge and manufacturing techniques acquired in Year 7.



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							EOR Assessment Point
						<b>Rotation Weeks</b> 9 and 10 19 28 and 29 38 and 39	<b>Practical Assessment</b> <u>Key Disciplinary Knowledge</u> Health and safety Cutting techniques Marking out Joining techniques Finishing techniques Hand tools Fixed equipment
				<b>Rotation Weeks:</b> 7 and 8 17 and 18 26 and 27 36 and 37	<b>Assessment Point:</b> Summative or AFL	<b>Overarching unit</b> <b>intent:</b> <b>Evaluation</b> Students will learn information around the key topics of: • Evaluation	
	<b>Rotation Weeks:</b> 3 and 4 13 and 14 22 and 23 32 and 33	<b>Assessment Point:</b> Summative or AFL	<b>Rotation Weeks:</b> 5 and 6 15 and 16 24 and 25 34 and 35	<b>Overarching unit</b> <b>intent:</b> <b>Manufacture</b> Students will learn information around the key topics of: • Manufacture	<b>Design Assessment</b> <b>Key disciplinary knowledge</b> 1 & 2 point perspective Colour rendering Annotation <b>Key Concepts</b> Students will be assessed on the presentation of their work, their creativity and innovation, their use of technical drawing skills (perspective), colour rendering and the quality of their annotation.	<b>Overarching unit</b> <b>intent:</b> <b>Manufacture</b> Students will be completing a range of practical tasks and activities which will develop their skills in working with a range of tools and equipment in a work shop environment. This will also include tools, materials and equipment for finishing a product/piece of materials. <b>Students will learn practical information around the key topics of:</b> • Cutting and shaping • Construction methods • Application of appropriate finishes <b>Students will:</b>	<b>Key Concepts</b> Students will be assessed on their ability to demonstrate the correct health and safety throughout the entirety of their project, demonstrate the correct and confident use of tools and equipment and use a range of techniques and processes to cut, shape, join and finish timber and plastic materials.
<b>Rotation Weeks:</b> 1 and 2 11 and 12 20 and 21 30 and 31	<b>Overarching unit</b> <b>intent:</b> <b>Drawing and Design Techniques</b> Students will learn information around the key topics of: • Drawing: 1 & 2 point perspective • Drawing: rendering techniques <b>Design:</b> Students will generate ideas for their Bird Box/ Bug House creating solutions to their written specification. Design techniques will be shown through the use of 3D design as well	<b>Literacy Assessment</b> <b>Key disciplinary knowledge</b> Isometric Perspective Sustainability Renewable Recycle Environment Specification Analysis Manufacture Consumer <b>Key Concepts</b> Students will be assessed on the correct spelling and their understanding of key vocabulary.	<b>Overarching unit</b> <b>intent:</b> <b>Manufacture</b> Students will learn information around the key topics of: • Manufacture <b>Manufacture:</b> Students will be completing a range of practical tasks and activities which will develop their skills in working with a range of tools and equipment in a work shop environment. This will also include tools, materials and equipment for finishing a product/piece of materials. <b>Students will learn practical information around the key topics of:</b>	<b>Key Concepts</b> Students will be assessed on the presentation of their work, their creativity and innovation, their use of technical drawing skills (perspective), colour rendering and the quality of their annotation.	<b>Overarching unit</b> <b>intent:</b> <b>Research</b> Students will learn information around the key topics of: • Task analysis • Sustainability • Specifications <b>Research:</b> Students will develop their skills in writing a list of design requirements (specification) for their product following a set	<b>Key Concepts</b> Students will evaluate their work throughout the practical process and equally at the end of the manufacture for the product. This requires students to be able to be self-critical as well as suggest methods for improving both application and skills. <b>Students will use a range of reading strategies:</b> • Breakdown information • Visualisation • Learning new vocabulary • Prediction • Infer • Form opinions	

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<p>design brief. This will require students to consider a range of areas including design, function, materials, user etc.</p> <p>Students will use a range of reading strategies:</p> <ul style="list-style-type: none"> <li>• Breakdown information</li> <li>• Visualisation</li> <li>• Learning new vocabulary</li> <li>• Prediction</li> <li>• Infer</li> <li>• Form opinions</li> </ul> <p>Writing skills will be developed in lesson and through home learning and assessment tasks. Students will be given opportunities to complete a range of focused extended writing tasks as well as opportunities to develop oracy via discussions and debate.</p>	<p>as how to annotate and render a design idea.</p> <p>Students will learn theoretical and practical information around the key topics of:</p> <ul style="list-style-type: none"> <li>• Drawing in 1 &amp; 2 point perspective.</li> </ul> <p>Students will:</p> <ul style="list-style-type: none"> <li>• In practical sessions, develop skills, techniques and processes in relation to drawing.</li> <li>• In practical sessions, develop their ability to use specialist technical equipment.</li> </ul>		<ul style="list-style-type: none"> <li>• Cutting and shaping</li> <li>• Construction methods</li> <li>• Application of appropriate finishes</li> </ul> <p>Students will:</p> <ul style="list-style-type: none"> <li>• In practical sessions, develop skills, techniques and processes in relation to working with a range of materials.</li> <li>• In practical sessions, develop their ability to use specialist technical equipment.</li> <li>• In practical sessions, develop their understanding of health and safety and specific regulations for working with tools and equipment</li> <li>• Through practical sessions, independently build their confidence and resilience levels as they work with specific materials.</li> </ul>	<ul style="list-style-type: none"> <li>• In practical sessions, develop skills, techniques and processes in relation to working with a range of materials.</li> <li>• In practical sessions, develop their ability to use specialist technical equipment.</li> <li>• In practical sessions, develop their understanding of health and safety and specific regulations for working with tools and equipment</li> <li>• Through practical sessions, independently build their confidence and resilience levels as they work with specific materials.</li> </ul>		<p>Writing skills will be developed in lesson and through home learning and assessment tasks. Students will be given opportunities to complete a range of focused extended writing tasks as well as opportunities to develop oracy via discussions and debate.</p>	
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