

## KS4 DT –Yr 10

What? When? Why?	Lesson one Learning intentions (what can a student do at the end of the lesson)	Lesson two Learning intentions (what can a student do at the end of the lesson)	Lesson Three Learning intentions (what can a student do at the end of the lesson)
Week One	<ul style="list-style-type: none"> <li>• Practical phase - Plastics</li> <li>• Produce varied design ideas</li> </ul>	<ul style="list-style-type: none"> <li>• Practical phase - plastics</li> <li>• Produce effective sketches with colour and annotation.</li> </ul>	<ul style="list-style-type: none"> <li>• Pupils will be investigating properties of materials and make correct selections when designing products.</li> </ul>
Week Two	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Produce models of proposed ideas using different materials and techniques.</li> </ul>	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to use appropriate measuring and marking tools</li> </ul>	<ul style="list-style-type: none"> <li>• Pupils will be able to modify plastic properties for a specific purpose</li> </ul>
Week Three	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Recognise and apply key points of Health and Safety when working in the workshop</li> </ul>	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to use a range of cutting and abrading tools when working with plastics</li> </ul>	<ul style="list-style-type: none"> <li>• will be able to name and use commercially available types and sizes of plastic material</li> </ul>
Week Four	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to name and apply suitable</li> </ul>	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to demonstrate</li> </ul>	<ul style="list-style-type: none"> <li>• Pupils will be able to describe how materials are cut</li> </ul>

	processes for working with plastics	appropriate initial preparation techniques when finishing plastics	shaped and formed to a tolerance
Week Five	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to choose abrasive papers of different grit sizes appropriate to the task</li> </ul>	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Understands the importance of applying an undercoat for a finish on a plastic material</li> </ul>	<ul style="list-style-type: none"> <li>• Will be able to describe the different ways products can be tested both physically and virtually</li> </ul>
Week Six	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to describe and use appropriate heat based techniques for shaping plastics</li> </ul>	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to describe specific Health and Safety issues when drilling or cutting plastics</li> </ul>	<ul style="list-style-type: none"> <li>• Will be able to describe how to evaluate products with particular reference to the original design specification</li> </ul>
Week Seven	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to use transparent finishes such as waxes and varnish to seal in special finishes.</li> </ul>	<ul style="list-style-type: none"> <li>• Practical phase – Plastics</li> <li>• Be able to use opaque finishes such as spray cans and acrylic paints</li> </ul>	<ul style="list-style-type: none"> <li>• Will be able to describe ecological issues in design and manufacture and the growing importance of ethical consumerism</li> </ul>

Week Four	How does the writer use language to suggest that Troy is doomed?	What is an archetypal hero? Presentation of Odysseus	How is the Cyclops presented to the reader?
Week Five	How does a writer's structural techniques make writing effective?	What is the heroic code in Greek Mythology?	How are women typically presented in Greek Mythology?

Week Six	What can we learn from Norse Mythology?	How can I improve my writing to inform?	How well can I write a persuasive speech? Write Loki's final speech
Week Seven	How can I improve my persuasive writing?	What is the purpose of an Epic?	How successfully can I demonstrate the features of an Epic?