

KS4 DT –Yr 10 Half term - 4

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"> • Practical phase – Woods • Understand how to produce varied and relevant design ideas 	<ul style="list-style-type: none"> • Practical phase – Woods • Understand how to produce effective sketches with colour and annotation. 	<ul style="list-style-type: none"> • Pupils will be investigating properties to understand materials and be able to make appropriate selections when designing products.
Week Two	<ul style="list-style-type: none"> • Practical phase – Woods • Be able to produce models of proposed ideas using different materials and techniques. 	<ul style="list-style-type: none"> • Practical phase – Woods • Be able to identify and use appropriate measuring and marking tools 	<ul style="list-style-type: none"> • Pupils will understand how to modify the properties of wood to achieve specific effects or changes in form
Week Three	<ul style="list-style-type: none"> • Practical phase – Woods • Recognise and apply key points of Health and Safety when working in the workshop 	<ul style="list-style-type: none"> • Practical phase – Woods • Be able to use a range of cutting and abrading tools when working with woods 	<ul style="list-style-type: none"> • will be able to name and use commercially available types and sizes of woods and manufactured boards
Week Four	<ul style="list-style-type: none"> • Practical phase – Woods • Be able to name and apply suitable processes for working with woods 	<ul style="list-style-type: none"> • Practical phase – Woods • Be able to demonstrate appropriate initial preparation techniques when finishing woods 	<ul style="list-style-type: none"> • Pupils will be able to describe how materials are cut shaped and formed to a tolerance

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