



Subject	Year	Term
Design and Technology	10	1
Topic		
Designing and Manufacturing		
Content (Intent)		
Prior Learning (Topic) KS3 D&T		
<p>Section1 – Designing, will cover methods of investigating sources of primary and secondary data before moving on to look at the work of others to examine influential designers and design companies, design strategies to illustrate how students can generate a range of designs efficiently cover a range of drawing styles. Students will make a designer picture frame.</p>		
<p>Section 2 – Manufacturing, will cover making principles, selection of materials, tolerances, material management and surface finishes. Students will complete some focused practical tasks to develop skills.</p>		
Future Learning (Topic) Section 3,4 and 5		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Section 1 Students will develop the basic skills in order to manufacturing a picture frame using mitre joints, rebate joints and heat pressing an designer image onto it. Students will prepare for their exam for their exam by studying: -</p> <ul style="list-style-type: none"> • Design strategies • Design history • Companies that influence design • Drawing skills 	<p>At the end of each Section is a formative assessment based on the knowledge learnt. Practical work will be assessed against the NEA assessment criteria.</p>	
<p>Section 2 Students will develop the basic skills by learning how to produce basic wood joints, understanding how adhesives work and basic metal work skills. Finally, they will with different surface treatments and finishes. Students will prepare for their exam for their exam by studying: -</p> <ul style="list-style-type: none"> • Materials management • Tools and equipment • Finishes 		
How can parents help at home?		
<p>You can support your child by discussing different eras of design history with them and by checking they complete their homework.</p>		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
<p>Reading My revision notes ISBN-10: 1510432329 GCSE Pod Cast www.technologystudent.com</p>	<p>Vocabulary Lists Design Context Primary and secondary research Client User Evaluation Reflection</p>	