Year 8 DT Curriculum Map			
	Autumn Term	Spring Term	Summer Term
Unit Length	15 weeks	12 weeks	13 weeks
Links to the National curriculum/Assessment Objectives	• AO1: Identify, investigate & outline design • AO2: Design and make prototypes • AO3: Analyse and evaluate: • AO4: Apply knowledge of technical principles		
Description of the topic and key learning outcomes (key knowledge and understanding)	**Project – Jewellery box** **Theme: Investigate & outline user needs, CAD design, practical using natural woods, fabric and plastics** The topics areas covered are: 1. Identify & investigate research areas 2. User needs & requirements 3. Material joining methods 4. Design themes across different cultures 5. Communicating design ideas (sketching & CAD) 6. Using specialist tools, techniques & machinery 7. Computer aided manufacture (CAM) 8. Analyse & evaluate		
Related Concepts (that are revisited)	The Design process / knowledge of natural woods, thermoplastics and their properties / practical skills with an emphasis on joining metods / use of specialist tools/ use of specialist machinery/ introduction to CADCAM, presentation/development of design skills (sketching & CAD)/ material finishes/ evaluation of final product		
Skills being taught	Investigation, outline of design, design & make, analyse & evaluate, apply technical knowledge, technical skills with hand-tools & machinery, computer aided design, computer aided manufacture, team working skills		

	Literacy – subject keywords, grammar and punctuation, sentence structure Numeracy – measurement & marking out practical work in millimetres and tolerances, measuring on grids, using graph paper,		
Milestone assessments	• AO1: Identify, investigate & outline design • AO2: Design and make prototypes • AO3: Analyse and evaluate:		
Wider reading	www.technologystudent.com www.design-technology.info/home.htm https://www.bbc.co.uk/bitesize/examspecs/zby2bdm		
Literacy programme	• Increase vocabulary with emphasis on keywords within DT. • Use of exam command words within lessons/questioning to assist/improve responses. • Written tasks responses to be modelled to demonstrate effective writing and also the reviewing of this writing – emphasis on different written tasks within design process.		
Homework / Independent Learning Tasks	1. Ergonomics and anthropometrics	2.	3.
Oak Academy Links			