Vision summary/ Curriculum intent:

Week	Unit	Year 9	Assessment	Homework	Unit	Year 10	Assessment	Homework	Unit	Year 11	Assessment	Assessments
1		Introduction to GCSE Yr9, Introduction to Working with Wood Materials topic. Hard woods/softwoods ppt.		Folder and Equipment		Introduction to GCSE Yr10, Working with Polymers - Designer Clock Project - Famous Designers, Researching Rennie Mackintosh, Philippe Starck, Ettorie Sottssas	Hw assessed	Designer Research HW		Review of Summer Holiday progress. Plan calendar for Academic year.		
2		Hardwoods/Softwoods properties sheet. Introduction to wooden joints box practical - marking out wood/start cutting.		Wood properties HW task		Continue Researching Rennie Mackintosh, Philippe Starck, Ettorie Sottssas Theory - Polymer Materials - Thermoforming and Thermoset.				SECTION A: IDENTIFYING & INVESTIGATING DESIGN POSSIBILITIES Task Analysis / Target User Analysis / Work of others Analysis 1	Generic progress check and whole class feedback.	
3	**Working with wood Project**	Production of timber Theory. Box practical cutting wood and sanding flat.	Quick test - wood properties	Production of timber poster	**Designer Clock Project**	Creative clock design sketches, Development of ideas.			NEA Project Work From choice of 3x project briefs set by AQA exam board in June. 50% of overall GCSE grade.	SECTION A: IDENTIFYING & INVESTIGATING Work of others Analysis 2 / Impact of society / EXT tasks	Generic progress check and whole class feedback.	Completion of NEA tasks & weekly DT Theory sheets
4		Marking out Lap joint. Write up of practial work.				Card Modelling. -Theory Production of Polymers	Hw assessed	Polymer production poster		SECTION B: PRODUCING A BRIEF & SPECIFICATION Design Brief	Deadline Part A	
5		Introduction to Wood joints. Practical producing Lap joint.	Assess Timber production HW	Wood joints HW sheet		Design Development & Final Design Drawing				SECTION B: PRODUCING A BRIEF & SPECIFICATION ; Initial Specification Targets set	Generic progress check and whole class feedback.	
6		Production of Mitre Joints. Write up of practical work.				Drawing out Shapes - 2D design -Theory Modern Materials 1		Modern Materials 1 HW sheet		SECTION C: GENERATING IDEAS: Initial Idea drawings / Further investigations	Deadline Part B	
7		Introduction to manufactured boards. Practical - Completion of Mitre joints. Write-up of a practical work.		Manufactured boards Poster		Drawing out Shapes - 2D design and begin assembly				SECTION C: GENERATING IDEAS: Initial Idea drawings / Further investigations	Generic progress check and whole class feedback.	
October												
8		Production of a Dowelled joint	Poster assessment		**Designer Clock Project** ----------	Clock Production Theory - Modern Materials 2	Hw assessed	Modern Materials 2 HW sheet		SECTION C: GENERATING IDEAS: Further experimentation / use different techniques / styles / CAD / Modelling	Deadline C1	
9		Production of manufactured boards . Practical - completion of joints - Gluing Box		Manufactured boards HW sheet.	----------	Clock Production Theory - Modern Materials 2				SECTION C: GENERATING IDEAS: Further experimentation / use different techniques / styles / CAD / Modelling	Generic progress check and whole class feedback.	
10	**Working with wood Project**	Wood finishing techniques. Practical Gluing box/ add base. Write up practical work.			**Electroninc Dice Project**	Final Evaluation - Theory End of unit test	Final Project assessment and test.	End test revision		SECTION D: DEVELOPING IDEAS: Drawing Development. 3D Modelling.	Deadline C2	
11		Practical - Production of lid and completion of box (Finishing processes)		Revise for end of unit test		Introduction to electronic systems (Dice project) Use of circuit wizard to produce circuit diagrams and PCB's			Ongoing NEA project work	SECTION D: DEVELOPING IDEAS: Logo. CAD designs. Materials.	Generic progress check and whole class feedback.	Completion of NEA tasks & weekly DT Theory sheets
12	**Gaming Storage Project**	Box evaluation (SA/PA) and end of unit test	SA Evaluation. Final assessment of project and test			Introduction microcontrollers - Programming Dice face numbers Practical - soldering Dice circuit Theory - Input/process/output components		Inputs outputs hw sheet		SECTION D: DEVELOPING IDEAS: Joining methods. Components. Finishes.	Generic progress check and whole class feedback.	
13		Introduction Gaming Storage Design Project - Designing for a user. Analysis of the task.				Random Dice programme Practical - dice circuit production.				SECTION D: DEVELOPING IDEAS - YEAR 11 MOCK EXAMS	Deadline D1	
14		Existing Products Analysis		Gaming relevant research		Dice roll sub routine. Practical - Dice circuit production Theory - Flowcharts	HW assessment	Flowcharts HW		SECTION D: DEVELOPING IDEAS - YEAR 11 MOCK EXAMS	Yr11 Mock exams	
Christmas												
15		Target User Analysis				Practical - Dice circuit production, Case production Vacuum forming				SECTION D: DEVELOPING IDEAS: Joining methods. Components. Finishes.	Generic progress check and whole class feedback.	
16		Anaysis of Research		Complete Research		Case production/ Final assembly Theory Vacuum forming	HW assessment	Vacuum forming poster HW		SECTION D: DEVELOPING IDEAS: Joining methods. Components. Finishes.	Generic progress check and whole class feedback.	
17	**Gaming Storage Project**	Development of Design Specification	Specifiction Assessment		**Electroninc Dice Project** ----------	Final assembly and final evaluation		booklet work completion	Ongoing NEA project work	SECTION D: DEVELOPING IDEAS: Working Drawing. Final Design Manufacturing Specification.	Generic progress check and whole class feedback.	Completion of NEA tasks & weekly DT Theory sheets
18		2D Design Refresher			---------- **Practice NEA**	Introduction to practice NEA - Insect Hotel. Analysis of task, page border and research of existing products - End of Systems unit Test	End of unit Test and practical assessment	Test Revision		SECTION D: DEVELOPING IDEAS: Working Drawing. Final Design Manufacturing Specification.	Deadline D2	

19		Sketching techniques	HW Assessment	Sketching HW		Relevant research				SECTION E: REALISING DESIGN IDEAS: Final making. Photograph/evidence.	Generic progress check and whole class feedback.		
20		Development of Design Ideas				Target user anaysis & User research questionnaire Theory Textiles 1		Questionnaire Responses		SECTION E: REALISING DESIGN IDEAS: Final making. Photograph/evidence.	Generic progress check and whole class feedback.		
February													
21		Modelling				Impact on society & design brief				SECTION E: REALISING DESIGN IDEAS: Final making. Photograph/evidence.	Generic progress check and whole class feedback.		
22		Design drawing development	Folderwork Mid-Assessment	Designwork completion		Design Specification Theory - Textiles 2	Section A/B assessment	Improve project work ready for initial marking		SECTION E: REALISING DESIGN IDEAS: Finishing Photograph/evidence.	Generic progress check and whole class feedback.		
23	**Gaming Storage Project**	2D Design Production			**Practice NEA**	Design ideas and experimentation		Get third party evaluation of your design ideas.	Ongoing NEA project work	SECTION E: REALISING DESIGN IDEAS: Finishing Photograph/evidence.	Deadline E	Completion of NEA tasks & weekly DT Theory sheets	
24		2D Design Production	HW Assessment	CAD/CAM HW task		Initial Modelling Theory Isometric Drawing 1				SECTION F: EVALUATION Modifications. Check against Design Criteria.	Generic progress check and whole class feedback.		
25		2D Design Production				Design Development		Isometric HW 1		SECTION F: EVALUATION Modifications. Check against Design Criteria.	NEA Final Deadline		
26		Finishing and Assembly				Final Design/ Manufacting specification Theory Isometric drawing 2	Section C/D assessment			THEORY/REVISION			
Easter													
27		Finishiing and Assembly				Manufacture		Isometric HW 2		THEORY/REVISION	On going Progress assessment		
28	**Gaming Storage**	Final Evaluation	SA Evaluation. Final assessment of project.	Project improvement	**Practice NEA**	Manufacture Theory Exam Maths questions	HW assessed	Maths Question HW		THEORY/REVISION	On going Progress assessment		
29	**Project ---------- ----- Working with metal Project**	Working with metal - Trowel Project. Ferrous / Non-Ferrous metals		Metals HW sheet	**---------- ---------- ----------**	Manufacture			Exam Preparation	THEORY/REVISION	On going Progress assessment	Completion of NEA tasks & weekly DT Theory sheets	
30		Marking out/shaping - blade	HW Assessment		**---------- Metal work Practical**	Complete Manufacture, Final evaluation		Evaluation of insect hotel at home		THEORY/REVISION	On going Progress assessment		
31		Properties of metals Theory - Practical Forging tang		Properties HW sheet		Metalwork skills practical project	Practice NEA overall assessment			THEORY/REVISION	On going Progress assessment		
32		Forging/ Curving Blade	HW Assessment			Metalwork skills practical project Theory - Exam technique practice		Revision Questions HW		THEORY/REVISION - EXAM	On going Progress assessment		
Whitsun													
33		Joining metals Theory - PracticalForging/Curving blade			**Real NEA Part A ---- Metal work Practical on - going**	Introduction to NEA Task challenges released. Analysis of tasks and select one. Metalwork skills practical project							
34		Riveting				Yr11 NEA Analysis of chosen task - Key Yr11 NEA research identified Theory - Exam Technique practice		Exam Revision					
35	**Working with metal Project**	Continuing Practical Metalworking Techniques		steel and Aluminium production poster.		Exixting Products research Metalwork skills practical project	Yr10 Exam assessment	NEA Improvement					
36		Continuing Practical Metalworking Techniques	HW Assessment			Yr11 NEA Relevant research Metalwork skills practical project	Yr10 Exam assessment	NEA Improvement					
37		Metal Finishing Theory - Practical Finishing /Painting trowel		Metal Finishing HW sheet		Yr11 NEA Target user anaysis Metalwork skills practical project	Practice NEA assessment	NEA Improvement					
38		Enrichment Week				Work Experience							
39		Completion of practical work and evaluation.	SA and FinalAssessment of practical work			Yr11 NEA Impact on society Metalwork skills practical project	Metallwork practical assessment	NEA Improvement					