Year 10- 11 curriculum skeleton- design technolgy

TERM Year 10	PRACTICAL SKILL	PRACTICE NEA PROJECT	THEORY
Autumn I	**Project 1: METAL - Copper and aluminium key holder** Construction, heating, finishing techniques, CAD fusion 3D printer parts.	**GCSE Practice NEA Functional lighting** A - Identifying & investigating design possibilities	Unit 1: New and emerging technologies
Assessment	Finished key holder	Page 1 to 4	End of Unit 1 test
Autumn 2	**Project 2: WOOD -Recycled wooden caddy.** Construction and finishing techniques	B - Producing a design brief & specification C - Generating design ideas	Unit 2: Energy, materials, systems and devices
Assessment	Finished caddy	Page 5 to 9	End of unit 2 test
Spring 1	**Project 3: – ACRYLIC/PLYWOOD- Flat pack model chair.** CAD Corel draw, laser cutter	D - Developing design ideas	Unit 3: Materials and their working properties
Assessment	Finished snail	Page 10 to 14	End of unit 3 test
Spring 2	**Project 4: Fusion CAD** Fusion skills and 3D printing including electronics	E - Realising design ideas	Unit 4: Common specialist technical principles
Assessment	Finish bag alarm	Practical advice	End of unit 4 test
Summer 1	**Project 5: METAL – Brazed steel snail** Construction, brazing and dip coating	E - Realising design ideas F - Analysing & evaluating	Unit 5 C,D,E Timber, Metal and Polymers
Assessment	Finished snail	FINAL PRACTICE MARK Finish product and folder	End of unit 5 test
Summer 2	NEA A - Identifying & investigating design possibilities	NEA A - Identifying & investigating design possibilities	Unit 6 Designing principles Incorporated into coursework
Assessment	Exam board-controlled group only feedback		
TERM Year 11	FINAL NEA PROJECT	NEA	Theory
Autumn 1	A - Identifying & investigating design possibilities B - Producing a design brief & specification	A - Identifying & investigating design possibilities B - Producing a design brief & specification	Unit 7 Making principles Incorporated into coursework
Assessment	Exam board-controlled group only feedback		
Autumn 2	C - Generating design ideas	C - Generating design ideas	MOCK REVISION

	D – Developing ideas	D – Developing Ideas	
Assessment	Exam board-controlled group only feedback		Mock exam mark
Spring 1	D- Developing ideas E - Realising design ideas	D - Developing design ideas E - Realising design ideas	D- Developing ideas E - Realising design ideas
Assessment	Exam board-controlled group only feedback		
Spring 2	E - Realising design ideas F - Analysing & evaluating	E - Realising design ideas F - Analysing & evaluating	E - Realising design ideas F - Analysing & evaluating
Summer	F - Analysing & evaluating	F - Analysing & evaluating	UNIT 1 to 7 EXAM REVISION
Assessment	FINAL MARK DEPARTMENT MODERATED AND SUBMITTED TO EXAM BOARD		