ASSESSMENT PREPARATION - USEFUL RESOURCES

Textbook
Your own notes
Practice Question papers on Any User
Lesson PowerPoints (…/anyuser/read/Dr Brodie/yr13/ Theory PowerPoints/…

ASSESSMENT CONTENT

Please refer to the table for topic overviews. Complete practice questions from your textbook.
PAPER 1: TECHNICAL PRINCIPLES
PAPER 2: DESIGNING AND MAKING PRINCIPLES

	WHAT TO REVISE	ANY QUESTIONS
Week 1	**METALS:** • **classifications** • **enhancements** • **Processes – forming / wasting/ redistribution/joining.** • **Finishing** **PLASTICS:** • **classifications** • **enhancements** • **Processes – forming / wasting/ redistribution/joining.** • **Finishing**	
Week 2	**WOOD /TIMBER:** • **classifications** • **enhancements** • **Processes – forming / wasting/ redistribution/joining.** • **Finishing** **COMPLIENT MATERIALS/PAPERS AND BOARDS:** • **Printing processes** • **Paper finishing**	
Week 3	**SMART MATERIALS** **MODERN MATERIALS**	
Week 4	**DESIGN & DEVELOPMENT:** • **Iterative design process** • **Modelling & prototyping** • **User-centred design** • **Anthropometrics & ergonomics**	
Week 5	**COMMERCIAL & MARKET FACTORS:** **Target market analysis** **Branding & marketing** **Product life cycle** **Costing & profit** **Quality assurance vs quality control** **Consumer legislation**	
Week 6	**DESIGN THEORY & INFLUENCES:** • **Design movements (Bauhaus, Modernism, Postmodernism)** • **Famous designers** • **Cultural & social influences** • **Technology push vs market pull**	

Week 7	**MANUFACTURING PROCESSES:** • **CAD/CAM** • **CNC machining** • **Injection moulding** • **Blow moulding** • **Vacuum forming** • **3D printing** • **Casting** • **Press forming** • **Batch, mass & one-off production**	
Week 8	**SUSTAINABILITY & ENVIRONMENT:** • **Life Cycle Assessment (LCA)** • **Carbon footprint** • **Ethical design** • **Sustainable materials** • **Reduce, Reuse, Recycle** • **Planned obsolescence**	