

Section A: - Core technical principles

NEW AND EMERGING TECHNOLOGIES			
	R	A	G
Industry and enterprise			
Informing design decisions			
Production techniques & systems			

COMMON TECHNICAL PRINCIPLES			
	R	A	G
Forces & stresses on material			

ENERGY, MATERIALS, SYSTEMS, DEVICES			
	R	A	G
Energy Generation & Storage			
Smart Materials			
Systems approach to Designing			
Mechanical Devices			

MATERIALS & WORKING PROPERTIES			
	R	A	G
Papers & Boards			
Natural & manufactured Timbers			
Metals and Alloys			
Polymers			
Textiles			

Section C: - Design & making principles

DESIGNING PRINCIPLES			
	R	A	G
Design brief & specification			
Design Strategies			
Communication of Design ideas and prototype Development			

MAKING PRINCIPLES			
	R	A	G
Material Management & Marking Out			

- Specification
- Suitability of product for the user
- Aesthetics
- Ergonomics
- Anthropometrics
- % percentages used in design
- Modelling / prototyping
- 3rd angle Orthographic Isometric drawing
- Material waste-nesting

TRACKING MY KNOWLEDGE

- TICK OR COLOUR FILL THE BOX TO INDICATE YOUR CONFIDENCE ON EACH TOPIC
- THIS WILL HELP YOU TO FOCUS YOUR REVISION