




Design and Technology Year 11 Mock Exam Revision List					
Section A Core Technical Principles (20%)					
	Developments in new materials (P33)	Composite materials			
	Materials and their working properties (P14-15)	Malleability, ductility, alloys			
	Mechanical and electronic systems (P24-31)	Input, process, output system			
	Product sustainability (P6-9)	Sources of energy			
Section B Specialist Technical Principles (30%)					
	Manufacturing processes (P64-73, 90,91)	Shaping, moulding, joining, cutting, drilling, soldering			
	Product analysis (P102-103)	Materials, stock forms, finishing techniques			
	Costing of production (P117)	Sizes, measurements, area, percentages			
	Scales of production (P38-39)	Volume, mass production, batch production			
	Social issues, environmental impact (P6-9, P103)	Pollution, use and disposal of products, manufacturing			
	Sourcing materials (P11,50)	Bulk buying, ethical factors			
Section C Designing and making principles (50%)					
	Analysing, evaluating a production company (P94-95)	Design, manufacturing techniques			
	Understanding user needs (P96-99)	Design specifications for children's toys			
	Product analysis (P102,103)	Ergonomics, functionality, innovation			
	Drawing techniques (P108-111)	2-point perspective, orthographic drawing			

	Market research (P100-101)	Primary and secondary research			
	Material management, efficiency (P116-117)	Nesting, cutting techniques			
	How materials are formed (64-65)	Hand tools			