




Design and Technology Year 10 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			