

A-LEVEL Design and Technology Checklist

Subject: AQA Design and Technology			Paper 1: Technical Principles	Duration: 2 hours 30 minutes
What to revise			How to revise it: Use a range of methods including flash cards, folding frenzy, knowledge organisers, past papers, Quizlet, mindmaps, key word definition quizzes focussed on the following topics:	
Chapter	Unit	Topic	Resource	
1.1	Units 1-9	Materials and their applications	Text book pages 3-98	
1.2		Performance characteristics of materials	* Polymers: View module: "Polymers"	
1.3		Enhancement of materials	* Woods: View module: "Woods"	
1.4		Forming, redistribution and addition processes	* Metals: View module: "Metals"	
1.5		The use of finishes	* Papers and Board: View module: "Papers and Boards"	
			* Composite and Smart: View module: "Composites, Modern & Smart materials"	
1.6	10	Modern industrial and commercial practice	Text book pages 99-124	
1.7		Digital design and manufacture	View module: "Unit 10 Modern Industrial Practice"	
1.8	11	The requirements for product design and development	Text book pages 125-169	
1.9		Health and safety	View module: "Unit 11 Product Design Considerations"	
1.10		Protecting designs and intellectual property	* Protecting Designs and Intellectual Property – A Level Design and Technology AQA Revision – Study Rocket	
1.11		Design for manufacturing, maintenance, repair and disposal	Study Rocket	
1.12	12	Feasibility studies	Text book pages 170-188	
1.13		Enterprise and marketing in the development of products	* Feasibility Studies – A Level Design and Technology AQA Revision – Study Rocket	
1.14		Design communication	* Enterprise and Marketing in the Development of Products – A Level Design and Technology AQA Revision – Study Rocket	
4.4		Mathematical skills for written exams	Text book pages 346-359 GCSE Maths - AQA - BBC Bitesize	