

Design and Technology Checklist

Subject: Design and Technology		Paper	Duration: 2 hours
What to revise		<p>How to revise it: Using the revision guide given to you by the school and the contents page at the front of the book revise the following topics.</p> <p>Revise = Read through the information and make notes/mindmaps/flash cards. Practise = Complete the practise exam questions and then check your answers in the back of the book. Review = Complete the Review exam questions and then check your answers in the back of the book. The contents page on p4-5 of the revision guide will tell you the pages you need to use to REVISE, PRACTISE and REVIEW each topic area.</p>	
1. New and emerging technologies	1. Industry and enterprise 2. Sustainability and the environment 3. People culture and society 4. Production techniques and systems 5. Informing design decisions	Revise: P122-127 Practise: p134,135 Review: p136,137	
2. Energy, materials, systems and devices	6. Energy generation 7. Energy storage 8. Modern materials 9. Smart materials 10. Composite materials 11. Systems approach to designing. 12. Electronic systems processing 13. Mechanical devices	Revise: P46-51 Practise: p58-59 Review: p82-83 New materials Revise: P72 Practise: p89 Review: p113	
3. Materials and their working properties	14. Papers And boards 15. Natural and manufactured timbers 16. Metal and alloys 18. Textiles	Revise: P60 - 70 Practise: p84-88 Review: p108-111	
4. Common specialist technical principles	19. Forces and stresses 20. Improving functionality 21. Ecological and social footprint 22. The six R's 23 Scales of production	Revise: P16 Practise: p21 Review: p36 Revise: P92 Practise: p116 Review: p128	
5D. Polymers	33. Sources, origins and properties. 34. Working with polymers based materials and fixings	Revise: P94-102 Practise: p116-120 Review: p128-132	

	35. Commercial manufacturing and quality control	
6. Designing Principles	42. Investigation, primary and secondary data 43. The work of others 44. Design strategies 45. Communication of design ideas and prototype development.	Revise: P8 -16, 22-34 Practise: p18-21, 40-45 Review: p36-39, 52-57
7. Making principles	46. Selection of materials and components. 47. Tolerances and allowances 48. Material management and marking out 49. Specialist tools, equipment, techniques and processes. 50. Surface treatments and finishes.	Revise: P74-80 Practise: p89-91 Review: p113-115 Revise: P104 -106 Practise: p121 Review: p133