Design and Technology Checklist

Subject: Design and Technology	Paper	Duration: 2 hours
What to revise		How to revise it: Use BBC bitesize https://www.bbc.co.uk/bitesize/examspecs/zby2bdm Read the information and watch the videos Make notes/flashcards or mindmaps Complete the quizzes.
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	https://www.bbc.co.uk/bitesize/guides/zn4bcj6/revision/1
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	https://www.bbc.co.uk/bitesize/guides/zf8ck2p/revision/1 https://www.bbc.co.uk/bitesize/guides/zfq8jty/revision/1 https://www.bbc.co.uk/bitesize/guides/z6kr97h/revision/1 https://www.bbc.co.uk/bitesize/guides/zbt26yc/revision/1
3. Materials and their working properties	14. Papers And boards 15. Natural and manufactured timbers 16. Metal and alloys 18. Textiles	https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/1
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	
5D. Polymers	33. Sources, origins and properties. 34. Working with polymers based materials and fixings 35. Commercial manufacturing and quality control	https://www.bbc.co.uk/bitesize/guides/zrstng8/revision/1
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.	https://www.bbc.co.uk/bitesize/guides/zbn6pbk/revision/1 https://www.bbc.co.uk/bitesize/guides/z6jkw6f/revision/1
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.	https://www.bbc.co.uk/bitesize/guides/zbstng8/revision/1

| | 50. Surface treatments and finishes. | |