**Year 12 Design and Technology Mock Revision Guide**

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| **Exam** |  |
|  | **Paper 1** - Technical Principles (1 hour 30 mins)  **Paper 2** - Designing Principles (1 hour) |
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| **Topics** | **Paper 1 - Technical Principles**   * 1. Materials and their applications p.4-18   2. Performance characteristics of materials p.19-38   3. Enhancements of materials p.39-45   4. Forming, redistribution and addition processes p.46-84   5. The use of finishes p.85-98   6. Modern and industrial scales of practice p.99-114   Maths in Design and Technology  Waste calculations (percentage)  Angle calculations (trigonometry)  **Paper 2 - Designing Principles**    2.1 Design methods p.190-195  2.2 Design theory p.196-209  2.3 Technology and cultural changes p.210-230  2.8 Responsible Design p.277-289  Maths in Design and Technology  Angle calculations (trigonometry)  Calculation of a straight line  Areas and volumes of regular shapes  \*pages relate to the Hodder A Level D&T textbook |
| **Activities** | 1. Read and make notes on chapters in the textbook 2. Complete end of topic questions in textbook 3. Watch related video links on Moodle 4. Draw out manufacturing processes from the technical principles content 5. Find samples of materials 6. Link manufacturing processes to products at home 7. Complete sample papers 8. Watch ‘How It’s Made’ on YouTube/TV |
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| **Resources** | * Your folder * A Level textbook * Teams * YouTube – great for looking up manufacturing processes and finishing techniques * [www.technologystudent.com](http://www.technologystudent.com) * <https://designmuseum.org/design> * AQA GCSE Design and Technology specification |