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| **GCSE** **Design and Technology Revision List Year 11 Mock 1** | |
| Exam information:  Materials:  For this paper you must have:   * A black pen * A pencil * Drawing instruments * A Calculator * A protractor   The exam is broken up into three sections,  Section A - Core technical principles (20 marks) A mixture of multiple choice and short answer questions assessing a breadth of technical knowledge and understanding.  Section B – Specialist technical principles (30 marks) Several short answer questions (2–5 marks) and one extended response to assess a more in-depth knowledge of technical principles.  Section C - Designing and making principles (50 marks) A mixture of short answer and extended response questions.  There is a total of 100 marks for this paper. You must answer all questions in this paper. You have 120 minutes for the exam. | |
| Topic | Revised? |
| **Section A** |  |
| Renewable energy |  |
| Planned obsolescence |  |
| Electrical components |  |
| Smart materials |  |
| Technology push |  |
| Automation |  |
| Kinetic pump storage system |  |
| Pulleys |  |
| Ductile properties/materials |  |
| Alloys |  |
| Composite materials |  |
| Percentages (Maths question) |  |
| Systems |  |
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| **Section B** |  |
| Manufacturing processes |  |
| Sourcing materials and components |  |
| Wooden toy manufacture and finishing |  |
| Calculating Areas (Maths question) |  |
| Environmental concerned with issues of disposal of materials |  |
| Scales of production |  |
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| **Section C** |  |
| Companies and products |  |
| Ergonomics, function and innovation of products |  |
| Primary and Secondary research |  |
| Plotting results onto a graph |  |
| Specification |  |
| Two-point perspective drawings |  |
| Calculating angles (maths question) |  |
| Nesting |  |
| Cutting techniques |  |
| Making prototypes |  |
|  |  |
| Revision Links | |
| **Useful revision resources:**  List websites, links to past papers, books etc here  GCSE pod  [www.technologystudent.com](http://www.technologystudent.com/)  Homework tasks including multiple choice questions practice.  **Revision guides**  CGP GCSE AQA Design and Technology -The Revision Guide (all students have one of these books at home).  **Revision Tips**  **Section A**  Please make sure you read the multiple-choice questions fully before answering.  Answer by shading in the lozenge.  **Section B**  Please make sure you answer your questions in full no one word answers lots of detail.  **Section C**  Practice your drawing techniques.  Use the Maths revision guide questions to help with the Maths questions. | |