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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.   |