

## **Year 11 guidance 2021-22**

### **Subject: Design Technology**

#### **Autumn Term 2021 learning topics:**

This term students have learned about:
1. NEA
2. Industry, enterprise, sustainability
3. Production techniques,
4. Textiles
4. scales of production

#### **January 2021 Mock Exam duration: 2 hours**

January Mock examination topics for revision:
Energy
Design for manufacture
Electronic circuits
Materials: Smart, fabrics, alloys, composites, paper and boards
Transferring motion
Maths: %, wastage, data manipulation, angles
Injection moulding as a production method
Wood: source > stock form
Social issues in design
Manufacturing quantities
Alessi/Apple/Braun/Dyson
Product: function/ergonomics/innovation
Types of research
Specification
3D drawing
Minimising waste
Making prototypes

#### **Spring/Summer 2022 learning topics:**

This term students it is planned they will learn about:
1. Timber based materials
2. Environmental, social and economic challenge
3. Tolerances
4. Materials management
5. Specialist tools and equipment
6. 2D and 3D drawing

Pages on the students one note book under the tab 'examination':

## Revision for Y11 January mock exam

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The following is a list of topics to revise for the mock examination for January 2021 covering all three sections.

Energy  
Design for manufacture  
Electronic circuits  
Materials: Smart, fabrics, alloys, composites, paper and boards  
Transferring motion  
Maths: %, wastage, data manipulation, angles  
Injection moulding as a production method  
Wood: source > stock form  
Social issues in design  
Manufacturing quantities  
Alessi/Apple/Braun/Dyson  
Product: function/ergonomics/innovation  
Types of research  
Specification  
3D drawing  
Minimising waste  
Making prototypes

Look up the above in your textbook.

This is a very useful (and expensive) online resource for you to revise from.

<http://www.focuselearning.co.uk/u/37398/embckvyttulCeuBxbcCrgzteyFmafrfqm>

Have a look through this section:

<https://www.focuselearning.co.uk/s/36uvlipdn475>

And this:

<https://www.focuselearning.co.uk/s/2g9h1i3vho6>

And this:

<https://www.focuselearning.co.uk/s/1r05bo1xaa6r>

Just to get you started!

And BBC Bitesize which has some really good multi-choice questions.

<https://www.bbc.co.uk/bitesize/examspecs/zby2bdm>

And:

Mock papers to practice (from '[www.technologystudent.com](http://www.technologystudent.com)')

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[https://www.technologystudent.com/despro\\_flash/exams1.html](https://www.technologystudent.com/despro_flash/exams1.html)

These are the papers you need to practise:



**NEW DESIGN AND TECHNOLOGY GCSE  
PRACTICE EXAMINATIONS (AQA STYLE) AND MARK SCHEMES**

**SAMPLE PAPER 1 - Practice - New GCSE Design and Technology**  
[Click here for a PowerPoint Version of the Examination Paper](#)  
[Mark Scheme - Sample Paper 1](#)

**SAMPLE PAPER 2 - Practice - New GCSE Design and Technology**  
[Click here for a PowerPoint Version of the Examination Paper](#)  
[Mark Scheme - Sample Paper 2](#)

**SAMPLE PAPER 3 - Practice - New GCSE Design and Technology**  
[Click here for a PowerPoint Version of the Examination Paper](#)  
[Mark Scheme - Sample Paper 3](#)

**SAMPLE PAPER 4 - Practice - New GCSE Design and Technology**  
[Click here for a PowerPoint Version of the Examination Paper](#)  
[Mark Scheme - Sample Paper 4](#)

**SAMPLE PAPER 5 - Practice - New GCSE Design and Technology**  
[Click here for a PowerPoint Version of the Examination Paper](#)  
[Mark Scheme - Sample Paper 5](#)

