



## GCSE Design & Technology Mock Revision List

Year 11 – November 2024

UNIT/EXAM	CONTENT/SKILLS
<p>AQA GCSE Design &amp; Technology (8552/W)</p> <ul style="list-style-type: none"><li>• Written paper: 2 hours</li><li>• 100 marks</li><li>• 50% of GCSE</li></ul>	<p><u>Section A: Core technical principles</u></p> <ul style="list-style-type: none"><li>✓ New and emerging technologies</li><li>✓ Energy generation and storage</li><li>✓ Developments in new materials</li><li>✓ Systems approach to designing</li><li>✓ Mechanical devices</li><li>✓ Materials and their working properties</li></ul> <p><u>Section B: Specialist technique principles</u></p> <ul style="list-style-type: none"><li>✓ Selection of materials or components</li><li>✓ Forces and stresses</li><li>✓ Ecological and social footprint</li><li>✓ Sources and origins</li><li>✓ Using and working with materials</li><li>✓ Stock forms, types and sizes</li><li>✓ Scales of production</li><li>✓ Specialist techniques and processes</li><li>✓ Surface treatments and finishes</li></ul> <p><u>Section C: Designing and making principles</u></p> <ul style="list-style-type: none"><li>✓ Investigation, primary and secondary data</li><li>✓ Environmental, social and economic challenge</li><li>✓ The work of others</li><li>✓ Design strategies</li><li>✓ Communication of design ideas</li><li>✓ Prototype development</li><li>✓ Selection of materials and components</li><li>✓ Tolerances</li><li>✓ Material management</li><li>✓ Specialist tools and equipment</li><li>✓ Specialist techniques and processes</li></ul>

### Specification & Link to Past Papers

[AQA GCSE Design and Technology \(8552\)](#)

### Essential equipment

Black pens, writing and drawing instruments, a calculator, and a protractor.



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## Key Information

Section A – 20 a mixture of multiple choice and short answer questions

Section B – several short answer questions and one extended response

Section C – a mixture of short answer and extended response questions

- At least 15% of the exam will assess maths
- At least 10% of the exam will assess science

## Revision materials

CGP New Grade 9-1 GCSE Design & Technology: AQA revision guides.

Revision resources on Teams, Sharepoint, revision tasks from department.

## Suggested revision activities

Complete revision mats or use flash cards to test yourself on each topic. Answer practice exam questions and use the mark schemes to check and correct your answers. Log in to [GCSEpod](#) and watch revision videos or log in to [Seneca](#) and complete the online tests.