

Exam Information and Topics

GCSE AQA Design Technology

Useful websites:

2 Hour Exam
100 Marks

Section A is worth 20 Marks

- 10 Multiple choice questions
- Followed by general knowledge questions worth between 1-4 marks

Section B is worth 30 Marks

- Short answer questions worth between 2-5 marks
- One extended question to assess greater depth of knowledge worth 8 marks
- Mixture of Maths questions

Section C is worth 50 Marks

- Mixture of short and extended questions worth between 1-8 marks
- Mixture of Maths questions
- Drawing question - Orthographic, Isometric, Oblique, Exploded or perspective.
- 12 Mark question to analyse a product(s) either 3 x 4 mark questions or 2 x 6 mark questions.

Useful websites:

[AQA | Design & Technology | Specification](#)

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

<https://senecalearning.com/en-GB/revision-notes/gcse/design-and-technology/aqa>

GCSE Past Papers: Design & Technology

<https://www.savemyexams.com/gcse/design-and-technology/aqa/past-papers/>

Section A: Core Technical Principles

- New and Emerging Technologies
- Energy Generation and Storage
- Developments in New Materials
- Systems Approach to Designing
- Mechanical Devices
- Materials and their Working Properties

Section B: Specialist Technical Principles

- Selection of Materials or Components
- Forces and Stresses
- Ecological and Social Footprint
- Sources and Origins
- Using and Working with Materials
- Stock Forms, Types and Sizes
- Scales of Production
- Specialist Techniques and Processes
- Surface Treatments and Finishes
- Papers and Boards
- Timber Based Materials
- Metal Based Materials
- Polymers
- Textile Based Materials
- Electronic and Mechanical Systems

	<p>Section C: Designing & Making Principles</p> <ul style="list-style-type: none">● Investigation, Primary and Secondary Data● Environmental, Social and Economic Challenge● The Work of Others● Design Strategies● Communication of Design Ideas● Prototype Development● Selection of Materials and Components● Tolerances● Material Management● Specialist Tools and Equipment● Specialist Techniques and Processes
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You will need to:

- Have a greater depth of knowledge about a particular choice of material: Timbers, papers, metals, polymers or textiles.
- Have a greater depth of knowledge about sustainability, 6R's, carbon footprint etc.
- Understanding of drawing techniques: Orthographic, isometric, oblique, exploded and perspective
- Greater depth of knowledge to analyse and evaluate products to answer a 12 mark question. This will cover things on ACCESSFM, ergonomics, aetherometric data and innovation. Understand these terms.