

DESIGN AND TECHNOLOGY

Exam Board: AQA

Exam Dates: Wednesday 10th June 2026 (pm)- 2hrs written exam

Revision Resources Available

- <https://www.bbc.co.uk/bitesize/examspecs/zby2bdm>
- Knowledge organizers Y:\VirtualSchool\DesignTechnology\Year11\Resistant Materials\Theory Revision
- Seneca learning
- Revision book (optional):
Hodder Education GCSE Grade 9-1 Revision - AQA GCSE 9-1 Design & Technology Complete Revision & Practice ISBN—9781510401082

Exam Papers and Content:

The paper is split into three sections.

- **Section A (20 marks) - Multiple choice**

This section covers "Core Technical Principles" and typically consists of a mix of multiple choice and short answer questions covering a broad range of basic technical knowledge across different materials and manufacturing processes, essentially testing the fundamental concepts common to all design and technology fields;

- **Section B (30 marks) - Short answer:**

This section covers 'Specialist Technical Principles' delving into in-depth technical details specific to a particular area of design and technology. Resistant Material students will focus on Timbers and Graphics will focus on Papers and Boards.

- **Section C (50 marks) - Extended response:**

A mixture of short answer and extended response questions on ' Designing and making principles'.

Additional Notes:

Resources needed for exam:

- normal writing and drawing instruments ;a calculator ; a protractor. Black pen; pencil for drawing tasks;

Core Technical Principles

- new and emerging technologies
- energy generation and storage
- developments in new materials
- systems approach to designing
- mechanical devices

Specialist Technical Principles

Resistant material (Timbers) Graphics (Papers & Boards)

- 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.

Designing & Making Principles

- 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.