

Revision Topics for Design Technology

Mock Exam 2026 -27

Exam details

Section A – (75 marks) – Answer questions 1 to 5

Section B – (25 marks) – Answer any one of the questions –

1:30 hrs total

100 marks overall

Materials needed for your assessment

For your DT mock exam you must have:

- A black pen
- A pencil
- A ruler
- An eraser
- A pencil sharpener
- Coloured pencils
- Calculator

Topics To Revise

DESIGN TECHNOLOGY IN OUR WORLD

Renewable Energy Sources

Customer protection legislation

MATERIALS TECHNOLOGY

Technical Materials – Rhovyl, Tactel, Kevlar

Phase changing materials

Interactive Textiles

Manufactured boards

Applied finishes – Timber

Properties of polystyrene

Benefits of modelling with corrugated card

Stock forms – Metals

Properties of copper

ELECTRONIC SYSTEMS, PROGRAMMABLE COMPONENTS AND MECHANICAL DEVICES

4 Types of motion

Levers

Linkages

Cams

DESIGN / MANUFACTURE

Primary research

Client profiles and mood boards

Advantages of CAD

Influential designers and companies-

Design collaboration / The 4 D's

MATHEMATICS

Calculating Percentages

Calculating force –

Calculating ratio's

Line graphs

SECTION B - (Usually you will have to pick 1 material focus from the selection 6 shown below)

- Electronic systems and mechanical devices
- Papers and Boards
- [Natural and manufactured timber](#)
- Ferrous and non-ferrous metals
- Thermosetting and thermoforming plastics
- Fibres and textiles

- However for your mock examination we have selected the focus for you-

CHOSEN MATERIAL FOCUS – [Natural and Manufactured Timber](#)

Lamination / veneer coverings

Router bits

Design development – Aesthetics and Function

Calculating profit

Mass manufacture