

Subject: Design and Technology GCSE Y10 Mock June 2023

Exam Board: AQA

Exam length 2 hours

You need to revise the following topics:

Section A (Multiple choice)

- Conductive textiles
- Micro encapsulation
- Malleable material
- Types of paper
- Input, process and output
- Ferrous metals
- Manufactured boards
- Renewable sources
- Tough materials
- Pollution
- Modern materials
- HDPE
- Types of motion

Section B

- Laser cutting
- Forces
- Reinforcing materials
- What is a template?
- Calculating areas of shapes and angles
- Factors to consider when selecting materials and components
- Carbon footprint

Section C (Designing and making principles)

- Flat pack furniture
- Packaging
- Deforestation
- Calculating materials required
- Plywood chair (deforming and reforming materials)
- Safety requirements when making products
- Exploded isometric drawing
- CAD
- Datum point
- Laser cutter and how it's used
- Quality control checks
- Why are evaluations important?

Useful revision resources:

AQA GCSE Revision Guide

GCSE Pod

GCSE Bitesize

Kerboodle

AQA past papers <https://www.aqa.org.uk/find-past-papers-and-mark-schemes>

Oak national academy

www.technologystudent.com

Revision Tips

Read over your notes in each section of the text book. Make revision resources (posters, cue cards, shortened notes, spray diagrams, post it notes etc.) complete quizzes, watch videos, complete exam questions and check against the mark scheme.