

Subject: Design and Technology GCSE

Exam Board: AQA

Exam length 1 hour 15 minutes

You will be completing section A and section C of the exam paper.

You need to revise the following topics:

Section A (Multiple choice)

- Renewable energy sources?
- Planned obsolescence?
- Electrical components?
- Smart materials?
- Textile fabrics?
- Technology push?
- Robots in industry -automation?
- Kinetic pump systems?
- Types of mechanisms and movements?
- Properties of materials?
- Alloys?
- Composite materials used in packaging?
- Calculating percentages?
- The parts of an alarm system?

Section C (Designing and making principles)

- Advertising?
- Analysing products ergonomics, functionality and innovation?
- Primary and secondary research?
- Analysing data
- Specification?
- Two-point perspective drawings?
- Calculating angles
- Nesting of materials?
- Prototypes?

Open book: 45 minute subject paper sat in class time

Section B (Specialist Technical Principles)

- Commercial manufacturing processes
- Sourcing materials/components
- Materials
- Stock forms
- Finishing techniques
- Percentages
- Responsible design
- Sustainability
- Scales of production

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 textbook. 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.