

## Subject: Design and Technology A Level

**Exam Board: AQA**

**Exam length 2 hours**

You will be completing a combination of Paper 1 and Paper 2.

1 hour 15 minutes from Paper 1 and 45 minutes from Paper 2.

You need to revise the following topics:

### Paper 1 – Technical Principles

- Smart and new materials?
- Ergonomics and Anthropometrics?
- Properties of materials?
- Sustainability in manufacturing?
- High speed steel?
- Calculating percentages?
- Injection moulding?
- Soft soldering?
- Analysing Data?
- Silicone?
- Phosphorescent pigment?
- Risk assessments?
- Concrete?

### Paper 2 – Designing and making Principles

- Mechanical equipment?
- Torque?
- Mechanical equipment?
- X-ray testing?
- Bauhaus?
- Project management systems?
- Iterative design process?
- Zinc alloy?
- Die casting?
- Laminated veneers?
- Calculating dimensions?
- Analysing and evaluating data?
- Product life cycles?
- Target market pull and technological push?
- International Standards Organisation (ISO) standards?

**Open book: 50 minute subject papers sat in class time 23 marks paper one and**

- Histogram
- Percentages
- Bio-batch polymers
- Surface finishes
- Physical and virtual prototypes
- Materials
- Manufacturing processes
- Power sources
- Packaging of products
- Phillipe Starck

**Useful revision resources:**

AQA A Level Revision Guide

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

[www.technologystudent.com](http://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