

DT GCSE Y10 Revision List – Summer 2024

Your exam is 2 hours.

You require a calculator and drawing and measuring equipment.

You need to revise the following topics:

Section A – Core and Technical Principles (Multiple choice)

- Composite materials
- Renewable energy sources
- Recycling batteries
- Thermoforming polymer
- Properties of materials
- Scales of manufacture
- Types of motion
- Smart Materials
- Manufactured boards
- Planned obsolescence.
- Crowd funding
- Cams and Gears

Section B –Specialist technical principles

- Calculating costs
- Prototypes
- Aesthetics
- Percentages and plotting graphs
- Metal casting
- Health and Safety
- Scales of production

Section C (Designing and making principles)

- Analysing and evaluating similar products looking at ergonomics, functionality and innovation?
- Calculating dimensions
- Area of a circle
- User-centred design
- Orthographic drawings
- One point perspective