

DT GCSE Revision List – June 2022

Your exam is 1 hour and 30 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?
- Understand how to work out percentages?
- The parts of an alarm system?

Section B (Specialist Technical Principles)

- Calculating areas
- Calculating percentages

Section C (Designing and making principles)

- What makes companies successful or stand out?
- Analysing and evaluating similar products looking at ergonomics, functionality and innovation?
- What is primary and secondary research?
- Analysing data
- Completing a bar chart using data given?
- Write a detailed specification?
- Two-point perspective drawings?
- Calculating angles
- Nesting of materials to use them efficiently to minimise waste?
- Cutting techniques to minimise waste?
- How can materials be formed when making a prototype?

You will need pens, pencils, a ruler and a calculator for this exam.