

Design Technology - Revision Information

Full Course Name: Eduqas GCSE Design Technology

Full Course Code: C600QS

Type of Qualification: GCSE

Examination Structure (Full Course):

Unit Name	Coursework / Controlled Assessment / Examination	Date range / Deadline(s) (Subject to change)	Content in this unit	Percentage of course	Useful links
NEA coursework component	Controlled assessment	June 1 st – February 28 th	Designing and making to solve a contextual challenge	50%	ENGINEERING - DESIGN AND TECHNOLOGY (technologystudent.com)
Written exam	Examination	May/June Yr 11	Design and Technology in the 21 st Century	50%	ENGINEERING - DESIGN AND TECHNOLOGY (technologystudent.com)

If you are going to purchase a revision guide, this is what we suggest:

My Revision Notes: WJEC Eduqas GCSE (9-1) Design and Technology

[My Revision Notes: WJEC Eduqas GCSE \(9-1\) Design and Technology: Amazon.co.uk: Fawcett, Ian, Howells, Jacqui, Knight, Andy, Walker, Chris: 9781510471696: Books](https://www.amazon.co.uk/dp/B078888888)

Past Papers (including mark schemes):

[GCSE Design and Technology | Eduqas](https://www.eduqas.com/gcse-design-technology)

Year 11 Mock 1 Information (Subject to Change):

All students answer section A. You will have questions relating to

Smart materials - Biomimicry and fabric - Renewable energy - Benefits and limitations of wind up technology as a power source - The impact of Technological advances on society - Types of motion: Rotary, Oscillating, Reciprocating, Linear - Cogs, gears and ratios - Revs per minute (RPM) - Parts of a lever Fulcrum, force (effort), load - Feedback in a system - What a thermistor does – LEDs - Thermoforming plastics - Properties of acrylic - Ferrous and nonferrous metals - Denim - Paper and card -Finishing techniques -Laser cutting – Safety considerations Consumer protection and legislation surrounding fitness for purpose

Natural and manufactured timber

Ferrous and nonferrous metals

Year 11 Mock 2 Information (Subject to Change):

All students will be expected to answer questions based on the following:

Logos and symbols - Cams and how a follower will track the shape of a Cam - Leavers and how you would identify the **load**, **effort** and **fulcrum** - Recycling and the benefits it brings society - Composite materials - Properties of materials - Material sources: natural, synthetic - Parallel and serial circuits - How

circuit diagrams are drawn - Types of wood based manufactured board and what they look like / how they are constructed - Common types of plastics used for bottles - Fabric construction: the difference between knitted and woven and what a warp and weft are - Properties and differences between silk and polyester - The sizes of paper - Disadvantages / issues associated with using recycled materials - Understand types and benefits of using CAM machines - Advantages, issues and different types of CAD software

Natural and manufactured timber

Ferrous and nonferrous metals

Link to Specification:

<https://www.eduqas.co.uk/media/25tlhbbw/gcse-design-and-technology-specification.pdf>

Other useful links:

[Eduqas Digital Educational Resources](#)