

Y10 Exams – Design and Technology

Y10 exams for Design Technology consists of one paper
We are sitting the Eduqas Exam board.

The paper is made up of two sections:

Section A: can include any other content taught in year 9 or year 10

Section B: is topic specific – please only answer the questions based on the specialist area you have been taught – either TIMBERS or TEXTILES

Useful revision websites

[GCSE Design and Technology - BBC Bitesize](#)

Recommended revision guides, workbooks and postcards can be purchased from the Finance Office or using our online payment system.

Regular Action Points to Help Raise Achievement

- correct all assessment papers (including topic tests) in green pen.
- Use the Knowledge organisers to help identify topics for revision
- Come to lessons ready to learn and fully equipped with the same equipment you will have in your exam.
- Engage in lessons, show enthusiasm for learning, demonstrate a real desire to improve and achieve, respect the learning of others.
- Set up a group to help each other online.

This list provides a revision list for the exams contents

Section A Answer all these questions

D&T and our world	- Wind & Solar power- benefits and disadvantages
Smart Materials, composites and technical textiles	- Thermochromic material - Composites - Wearable electronic devices - Developments in materials technology
Electronic Systems and Programmable components	- LEDs vs traditional lightbulbs - Input, process, output - Feedback loops
Mechanical devices	- Types of motion - Key parts of a lever - Calculation of rotational speed - Ratios
Materials	Papers and Board - Types of paper and board - Lamination Metals - Non-ferrous metals and their properties Polymers - Thermoforming polymers - Acrylic Fibres & fabrics - Cotton - Denim fabric

Section B Choose ONE of these area

Natural and manufactured timber	- Beech - Timber finishes including preparation - Fairtrade - Lessening the environmental impact of designing timber products
Fibres and Textiles	- CAD (Computer Aided Design) - CAM (Computer Aided Machinery) - Quality control - Applique

