YOUR STEP-BY-STEP GUIDE TO SWITCHING TO EDUQAS

AS AND A LEVEL DESIGN AND TECHNOLOGY

www.eduqas.co.uk/switch
AS AND A LEVEL DESIGN AND TECHNOLOGY WITH EDUQAS

WHY CHOOSE US?

If you would like to work with a team which understands your and your students’ needs, switching to Eduqas could be the best move you make:

- We provide detailed guidance for teaching resources, to support teachers in the delivery of our GCE Design and Technology specifications.
- We offer face to face CPD sessions delivered by teams of subject specialists
- A wide range of digital resources to support delivery of the examination
- Access to support from subject specialists

SUMMARY OF ASSESSMENT

The specification content and assessment requirements are designed to ensure learners develop an appropriate breadth and depth of knowledge and understanding at an advanced level in design and technology.

The structure of the content within two endorsed routes of fashion and textiles and product design share the same structure at AS level and A level respectively (though with material-specific amplification where appropriate).

AS level (Standalone qualification)

The subject content for AS level Design and Technology will be assessed in the written examination and non-exam assessment (NEA).

Learners take a single examination in one of the following endorsed routes:

- Fashion and Textiles
- Product Design

A level

The subject content for A level Design and Technology will be assessed in the written examination and non-exam assessment (NEA).

Learners take a single examination in one of the following endorsed routes:

- Fashion and Textiles
- Product Design

<table>
<thead>
<tr>
<th>Component 1: Design and Technology in the 21st century</th>
<th>50% of qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written examination: 2 hours, 30 minutes, 100 marks</td>
<td></td>
</tr>
<tr>
<td>The examination includes a mix of short answer, structured and extended writing questions assessing learners’ knowledge and understanding of:</td>
<td></td>
</tr>
<tr>
<td>- Technical principles</td>
<td>Along with their ability to:</td>
</tr>
<tr>
<td>- Designing and making principles</td>
<td>- Analyse and evaluate design decisions and wider issues in design and technology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component 2: A sustained design and make project</th>
<th>50% of qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-exam assessment: approximately 80 hours, 100 marks</td>
<td></td>
</tr>
<tr>
<td>Written examination: 3 hours, 100 marks</td>
<td></td>
</tr>
<tr>
<td>The examination includes a mix of structured and extended writing questions assessing learners’ knowledge and understanding of:</td>
<td></td>
</tr>
<tr>
<td>- Technical principles</td>
<td>Along with their ability to:</td>
</tr>
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<td>- Analyse and evaluate design decisions and wider issues in design and technology</td>
</tr>
</tbody>
</table>

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MAKE THE SWITCH TO A BOARD THAT WILL SUPPORT YOU

Switching to Eduqas could be the best move you make.

You’ll gain access to an unbeatable range of free teaching resources, and our team of subject specialists are on hand to give you all the help and advice you need.

Whether you’re with AQA, OCR or Pearson (Edexcel), you can rest assured that switching to Eduqas is straightforward. Simply follow this guide, compare our specifications, and make the switch!

MAKING THE SWITCH

Switching to Eduqas is simple, just follow these quick and easy steps:

1. Follow our switcher guide for your subject.
2. Register your interest at www.eduqas.co.uk/switch and receive a printed copy of your chosen specification(s).
3. Visit your qualification page at www.eduqas.co.uk/qualification, to access the materials you need to begin teaching our specifications.
4. Visit our Digital Resources Website (resources.eduqas.co.uk), for free resources that can be used as classroom aids and as revision tools.
5. Contact our subject specialists for subject specific queries, practical advice and guidance.
6. Your Exams Officer will need to register your centre, if your centre is not already registered with us.
7. Once registered, your Exams Officer will be able to provide you with access to our Secure Website (www.wjecservices.co.uk), which hosts a wealth of resources that are not available elsewhere.

WE’RE HERE TO SUPPORT YOU

If you have a question, simply contact our Design and Technology team who will offer friendly advice and guidance:

STEVE HOWELLS
Subject Officer - Design And Technology
steve.howells@eduqas.co.uk
029 2240 4303

HELPING YOU MAKE THE SWITCH - COMPARING SPECIFICATIONS

GCE AS LEVEL DESIGN AND TECHNOLOGY
GCE A LEVEL DESIGN AND TECHNOLOGY

<table>
<thead>
<tr>
<th>Eduqas Fashion &amp; Textiles, Product Design</th>
<th>OCR Fashion &amp; Textiles, Product Design</th>
<th>AQA Fashion &amp; Textiles, Product Design</th>
<th>Pearson (Edexcel) Product Design only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designing and Innovation (AS &amp; A level)</td>
<td>AS A</td>
<td>AS A</td>
<td>AS A only</td>
</tr>
<tr>
<td>Principles of designing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Research techniques</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Analysis of the problem</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Problem solving strategies</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Quantitative and qualitative testing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Ergonomics and anthropometrics</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Computer systems for designing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Innovation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consider wider issues when designing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Research, plan and evaluate</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Generate and develop ideas</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Develop proposals</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Detail design</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Communicate ideas and information</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Materials and components (AS &amp; A level)</td>
<td>AS A</td>
<td>AS A</td>
<td>AS A only</td>
</tr>
<tr>
<td>Materials and their application</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Working characteristics of materials</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Materials with specific properties</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Modern material technology</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Materials for specific requirements</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Choice of finishes</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Components and their application</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Safe working practices</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Work with materials and components</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Processes</td>
<td>AS A</td>
<td>AS A</td>
<td>AS A only</td>
</tr>
<tr>
<td>Hand methods</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Machine methods</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Combining/forming materials</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Computer-aided manufacture</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Work with tools and equipment</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Work with materials, components</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
## GCE AS LEVEL DESIGN AND TECHNOLOGY

### Eduqas Fashion & Textiles; Product Design

<table>
<thead>
<tr>
<th>Industrial and commercial practice (AS &amp; A level)</th>
<th>OCR Fashion &amp; Textiles; Product Design</th>
<th>AQA Fashion &amp; Textiles; Product Design</th>
<th>Pearson (Edexcel) Product Design only</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS</td>
<td>A</td>
<td>AS</td>
<td>A</td>
</tr>
</tbody>
</table>

**Scales of manufacture**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Detailed manufacturing methods**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Safe working practices**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

### Industrial and commercial practice (A level only)

| AS | A | AS | A | AS | A |

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Stages of production**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Management systems**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Industrial methodology**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

### Product analysis and systems (AS & A level)

| AS | A | AS | A | AS | A |

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Design and production**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Form and function**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Trends & influences on design**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Intellectual Property & Standards**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Issues when designing**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Systems analysis**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**ICT when planning**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**ICT when designing and making**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

### Product analysis and systems (A level only)

| AS | A | AS | A | AS | A |

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Systems and sub-systems**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Control systems**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**The use of ICT**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

### Human responsibility (A level only)

| AS | A | AS | A | AS | A |

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Service to the customer**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Regulatory frameworks**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Risk assessment procedures**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Values in design solutions**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Forms of energy**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Responsibilities when designing**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Quality (of the product)**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Quality (human processes)**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

### Public interaction (A level only)

| AS | A | AS | A | AS | A |

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Innovation in the market**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Researching the market**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Selling the product**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

**Diffusion of products**

- OCR: Yes
- AQA: Yes
- Pearson: Yes

## Written Examination AS LEVEL

### Eduqas Fashion & Textiles; Product Design

<table>
<thead>
<tr>
<th>Component 1</th>
<th>Component 01</th>
<th>Paper 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written examination 2.5 hours</td>
<td>1 hr 45 mins</td>
<td>1 hr 30 mins</td>
</tr>
<tr>
<td>50% qualification</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>100 marks</td>
<td>90 marks</td>
<td>80 marks</td>
</tr>
<tr>
<td>15% mathematical skills in D&amp;T context</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## (NEA) Non Exam Assessment AS LEVEL

### Eduqas Fashion & Textiles; Product Design

<table>
<thead>
<tr>
<th>Component 2</th>
<th>Component 02 or 03</th>
<th>NEA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contextual challenge set by Eduqas on June 1st in the calendar year preceding the award</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>NEA: approximately 40 hours</td>
<td>Approx. 40 hours</td>
<td>Approx. 30 – 35 hours</td>
</tr>
<tr>
<td>100 marks</td>
<td>100 marks</td>
<td>80 marks</td>
</tr>
<tr>
<td>Identifying and investigating design possibilities: 15 marks</td>
<td>Strand 1: Explore, 24 marks</td>
<td>Strand 2: Create - design thinking, 16 marks</td>
</tr>
<tr>
<td>Developing a design brief and specification 15 marks</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Generating and developing design ideas: 25 marks</td>
<td>10 marks</td>
<td>Design 38 marks</td>
</tr>
<tr>
<td>10 marks</td>
<td>10 marks</td>
<td>Design 38 marks</td>
</tr>
</tbody>
</table>

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THE SUPPORT YOU NEED

FREE TAILORED DIGITAL RESOURCES
We've created a wealth of free digital resources to support our qualifications. They have been developed to enhance learning, stimulate classroom discussion, and encourage student engagement. Access our resources today at resources.eduqas.co.uk

REGIONAL SUPPORT
Our Regional Support Team are also on hand to offer free support in the delivery of our qualifications. They can also give you face-to-face advice on our range of qualifications, online resources, CPD and curriculum developments. To book a visit or to find out more, please visit www.eduqas.co.uk/RegionalSupportTeam

TEACHERS WHO HAVE MADE THE SWITCH

"For me, the access to high quality support from the subject officer and the pragmatic and realistic nature of the exam board made the switch to Eduqas inevitable when the new specifications came out. The examination board expectations are high but they provide the clarity and support so that we can reach those standards. The moderation visits we've experienced at A Level have always been very positive and we are looking for the same experience with our GCSE classes.”

MR ANDREW DUFFEY
HEAD OF DESIGN TECHNOLOGY & ENGINEERING AND COMPUTING