

# YOUR STEP- BY-STEP GUIDE TO SWITCHING TO EDUQAS

AS AND A LEVEL  
DESIGN AND TECHNOLOGY



# 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

Component 1: Design and Technology in the 21st century	
Written examination: <b>2 hours, 30 minutes, 100 marks</b>	<b>50% of qualification</b>
The examination includes a mix of short answer, structured and extended writing questions assessing learners' knowledge and understanding of: <ul style="list-style-type: none"> <li>• Technical principles</li> <li>• Designing and making principles</li> </ul>	Along with their ability to: <ul style="list-style-type: none"> <li>• Analyse and evaluate design decisions and wider issues in design and technology</li> </ul>
Component 2: Design and make task	
Non-exam assessment: <b>approximately 40 hours, 100 marks</b>	<b>50% of qualification</b>

### 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

Component 1: Design and Technology in the 21st century	
Written examination: <b>3 hours, 100 marks</b>	<b>50% of qualification</b>
The examination includes a mix of structured and extended writing questions assessing learners' knowledge and understanding of: <ul style="list-style-type: none"> <li>• Technical principles</li> <li>• Designing and making principles</li> </ul>	Along with their ability to: <ul style="list-style-type: none"> <li>• Analyse and evaluate wider issues in design and technology</li> </ul>
Component 2: A sustained design and make project	
Non-exam assessment: <b>approximately 80 hours, 100 marks</b>	<b>50% of qualification</b>

# 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:

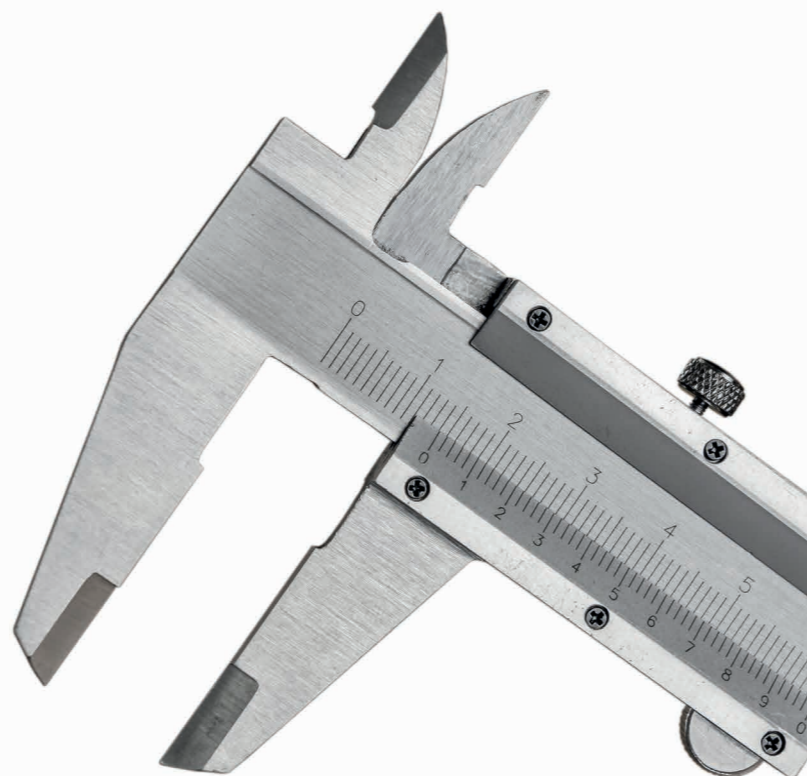
1. Follow our switcher guide for your subject.
2. Register your interest at [www.eduqas.co.uk/switch](http://www.eduqas.co.uk/switch) and receive a printed copy of your chosen specification(s).
3. Visit your qualification page at [www.eduqas.co.uk/qualification](http://www.eduqas.co.uk/qualification), to access the materials you need to begin teaching our specifications.
4. Visit our Digital Resources Website ([resources.eduqas.co.uk](http://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](http://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**  
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# HELPING YOU MAKE THE SWITCH - COMPARING SPECIFICATIONS

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

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

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

Eduqas Fashion & Textiles; Product Design	OCR Fashion & Textiles; Product Design		AQA Fashion & Textiles; Product Design		Pearson (Edexcel) Product Design only	
	AS	A	AS	A	AS	A
<b>Industrial and commercial practice (AS &amp; A level)</b>	AS	A	AS	A	AS	A
Scales of manufacture	✓	✓	✓	✓	✓	✓
Detailed manufacturing methods	✓	✓	✓	✓	✓	✓
Safe working practices	✓	✓	✓	✓	✓	✓
<b>Industrial and commercial practice (A level only)</b>	AS	A	AS	A	AS	A
Stages of production		✓		✓		✓
Management systems		✓		✓		✓
Industrial methodology	✓	✓		✓		✓
<b>Product analysis and systems (AS &amp; A level)</b>	AS	A	AS	A	AS	A
Design and production	✓	✓	✓	✓		✓
Form and function	✓	✓		✓	✓	✓
Trends & influences on design	✓	✓	✓	✓	✓	✓
Intellectual Property & Standards		✓		✓		✓
Issues when designing	✓	✓	✓	✓	✓	✓
Systems analysis						✓
ICT when planning	✓	✓	✓	✓		✓
ICT when designing and making	✓	✓	✓	✓	✓	✓
<b>Product analysis and systems (A level only)</b>	AS	A	AS	A	AS	A
Systems and sub-systems		✓	✓	✓		✓
Control systems		✓		✓		✓
The use of ICT	✓	✓	✓	✓		✓
<b>Human responsibility (A level only)</b>	AS	A	AS	A	AS	A
Service to the customer		✓		✓		✓
Regulatory frameworks		✓	✓	✓		✓
Risk assessment procedures				✓	✓	✓
Values in design solutions			✓	✓	✓	✓
Forms of energy			✓	✓		✓
Responsibilities when designing	✓	✓	✓	✓	✓	✓
Quality (of the product)		✓	✓	✓		✓
Quality (human processes)			✓	✓		✓
<b>Public interaction (A level only)</b>						
Innovation in the market				✓	✓	✓
Researching the market	✓	✓		✓		✓
Selling the product	✓	✓	✓	✓		✓
Diffusion of products		✓		✓		✓

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

Eduqas Fashion & Textiles; Product Design	OCR Fashion & Textiles; Product Design		AQA Fashion & Textiles; Product Design		Pearson (Edexcel) Product Design only	
Researching				✓		✓
Market/client needs		✓	✓	✓	✓	✓
Determine product marketability		✓		✓		✓
Evaluate products	✓	✓		✓		✓

### Written Examination AS LEVEL

Eduqas Fashion & Textiles; Product Design	OCR Fashion & Textiles; Product Design	AQA Fashion & Textiles; Product Design	Pearson (Edexcel) Product Design only
Component 1	Component 01	Paper 1	✓
Written examination 2.5 hours	1 hr 45 mins	1 hr 30 mins	2 hours
50% qualification	✓	✓	✓
100 marks	90 marks	80 marks	✓
15% mathematical skills in D&T context	✓	✓	✓

### (NEA) Non Exam Assessment AS LEVEL

Eduqas Fashion & Textiles; Product Design	OCR Fashion & Textiles; Product Design	AQA Fashion & Textiles; Product Design	Pearson (Edexcel) Product Design only
Component 2	Component 02 or 03	NEA	✓
Contextual challenge set by Eduqas on June 1st in the calendar year preceding the award	✓	✓	✓
NEA: approximately 40 hours	Approx. 40 hours	Approx. 30 – 35 hours	Not specified
50% qualification	✓	✓	✓
100 marks	100 marks	80 marks	✓
Identifying and investigating design possibilities. 15 marks	<b>Strand 1:</b> Explore, 24 marks <b>Strand 2:</b> Create - design thinking, 16 marks <b>Strand 3:</b> Create - design communication, 12 marks	✓	10 marks
Developing a design brief and specification 15 marks		✓	10 marks
Generating and developing design ideas. 25 marks		Generating design ideas 20 marks Developing design ideas 20 marks	Design 38 marks

## (NEA) Non Exam Assessment AS LEVEL

Manufacturing a prototype. 25 marks	<b>Strand 4:</b> Final prototype, 15 marks	Realising design ideas, 20 marks	30 marks
Analysing and evaluating design decisions and prototypes. 20 marks	<b>Strand 5:</b> Evaluate, 23 marks	✓	12 marks

## Written Examination A LEVEL

Eduqas Fashion & Textiles; Product Design	OCR Fashion & Textiles; Product Design	AQA Fashion & Textiles; Product Design	Pearson (Edexcel) Product Design only
Component 1	Component 01 or 02	Paper 1, Paper 2	✓
Written examination 3 hours	(01) 1 hr 30 mins (02) 1 hr 45 mins	Paper 1: 2hrs 30 mins Paper 2: 1hr 30 mins	2 hr 30 mins
50% qualification	50%	Paper 1. 30% Paper 2. 20%	✓
100 marks	150 marks <b>Section A:</b> Principles of.... (01) 80 marks Problem solving in.... (02) 70 marks	200 marks Paper 1: 120 marks Paper 2: 80 marks	120 marks
15% mathematical skills in D&T context	✓	✓	✓

## (NEA) Non Exam Assessment A LEVEL

Component 2	Component 02 or 03	NEA	✓
Design brief set by learner	✓	✓	✓
NEA: approximately 80 hours	Approx. 65 hours	Not specified	Not specified
50% of qualification	✓	✓	✓
100 marks	✓	✓	120 marks
Identifying and investigating design possibilities. - 15 marks	<b>Strand 1:</b> Explore 25 marks	✓ 20 marks	✓ 24 marks
Developing a design brief and specification. - 15 marks	<b>Strand 2:</b> Create design thinking 19 marks	✓ 10 marks	✓ 9 marks
Generating and developing design ideas. 25 marks	<b>Strand 3:</b> Create - design communication 13 marks	Development of design proposal(s) 25 marks	Design a prototype 45 marks
Manufacturing a prototype. 25 marks	<b>Strand 4:</b> Final prototype, 18 marks	✓	✓ 30 marks
Analysing and evaluating design decisions and prototypes. - 20 marks	<b>Strand 5:</b> Evaluate 25 marks	✓	✓ 12 marks

# 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](http://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](http://www.eduqas.co.uk/RegionalSupportTeam)



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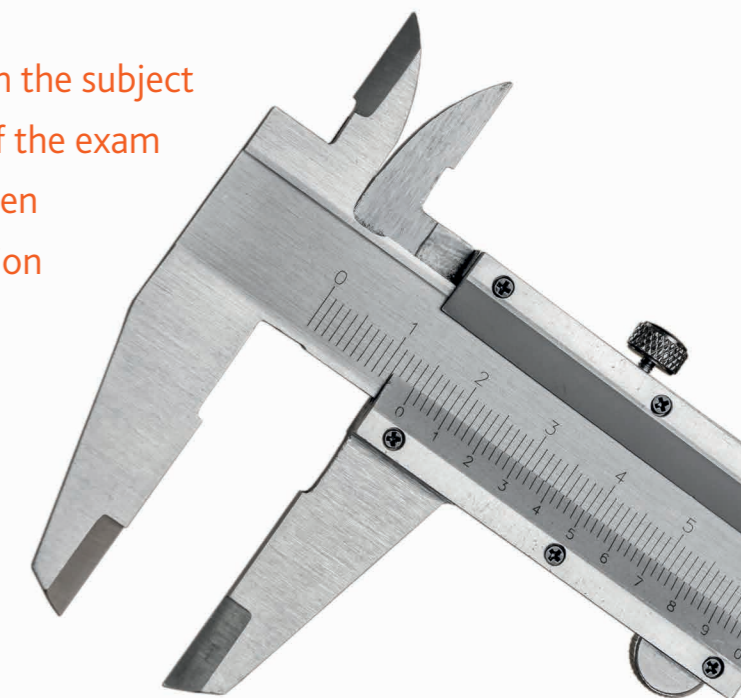


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## TEACHERS WHO HAVE MADE THE SWITCH

"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  
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