MAKING THE SWITCH

SPECIFICATION COMPARISON

A LEVEL

DESIGN AND TECHNOLOGY

HELPING YOU MAKE THE SWITCH -
COMPARING SPECIFICATIONS

GCE AS LEVEL DESIGN AND TECHNOLOGY
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Eduqas Fashion & Textiles; Product Design	OCR Fashion & Textiles; Product Design		AQA Fashion & Textiles; Product Design		Pearson (Edexcel) Product Design only	
Designing and Innovation (AS & A level)	AS	A	AS	A	AS	A
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	✓	✓	✓	✓	✓	✓
Materials and components (AS & A level)	AS	A	AS	A	AS	A
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	✓	✓	✓	✓	✓	✓
Processes	AS	A	AS	A	AS	A
Hand methods	✓	✓	✓	✓	✓	✓
Machine methods	✓	✓	✓	✓	✓	✓
Combining/forming materials	✓	✓	✓	✓	✓	✓
Computer-aided manufacture	✓	✓	✓	✓	✓	✓
Work with tools and equipment	✓	✓	✓	✓		✓
Work with materials, components	✓	✓	✓	✓		✓

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Eduqas Fashion & Textiles; Product Design	OCR Fashion & Textiles; Product Design		AQA Fashion & Textiles; Product Design		Pearson (Edexcel) Product Design only	
Industrial and commercial practice (AS & A level)	AS	A	AS	A	AS	A
Scales of manufacture	✓	✓	✓	✓	✓	✓
Detailed manufacturing methods	✓	✓	✓	✓	✓	✓
Safe working practices	✓	✓	✓	✓	✓	✓
Industrial and commercial practice (A level only)	AS	A	AS	A	AS	A
Stages of production		✓		✓		✓
Management systems		✓		✓		✓
Industrial methodology	✓	✓		✓		✓
Product analysis and systems (AS & A level)	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	✓	✓	✓	✓	✓	✓
Product analysis and systems (A level only)	AS	A	AS	A	AS	A
Systems and sub-systems		✓	✓	✓		✓
Control systems		✓		✓		✓
The use of ICT	✓	✓	✓	✓		✓
Human responsibility (A level only)	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)			✓	✓		✓
Public interaction (A level only)						
Innovation in the market				✓	✓	✓
Researching the market	✓	✓		✓		✓
Selling the product	✓	✓	✓	✓		✓
Diffusion of products		✓		✓		✓

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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	Strand 1: Explore, 24 marks	✓	10 marks
Developing a design brief and specification 15 marks	Strand 2: Create - design thinking, 16 marks	✓	10 marks
Generating and developing design ideas. 25 marks	Strand 3: Create - design communication, 12 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	**Strand 4**: Final prototype, 15 marks	Realising design ideas, 20 marks	30 marks
Analysing and evaluating design decisions and prototypes. 20 marks	**Strand 5**: 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 **Section A**: 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	**Strand 1**: Explore 25 marks	✓ 20 marks	✓ 24 marks
Developing a design brief and specification. - 15 marks	**Strand 2**: Create design thinking 19 marks	✓ 10 marks	✓ 9 marks
Generating and developing design ideas. 25 marks	**Strand 3**: Create - design communication 13 marks	Development of design proposal(s) 25 marks	Design a prototype 45 marks
Manufacturing a prototype. 25 marks	**Strand 4**: Final prototype, 18 marks	✓	✓ 30 marks
Analysing and evaluating design decisions and prototypes. - 20 marks	**Strand 5**: Evaluate 25 marks	✓	✓ 12 marks