GCSE
Design & Technology

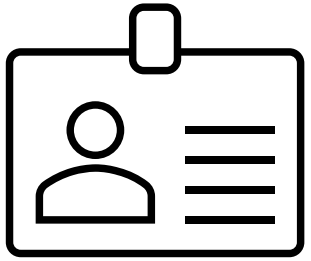
Resources Guide

GCSE Design & Technology Resources Guide

Thank you for choosing WJEC Eduqas Design and Technology. This booklet explains where you can access all the key materials and resources to deliver the GCSE Design and Technology specification for teaching from 2017 across our suite of websites. Most of the images throughout this guide are active links – click on these to take you directly to the document or relevant page.

Teachers should read the specification and all related documentation carefully before delivering these qualifications. If you still have questions after doing so, please contact the subject team.

The Subject Team

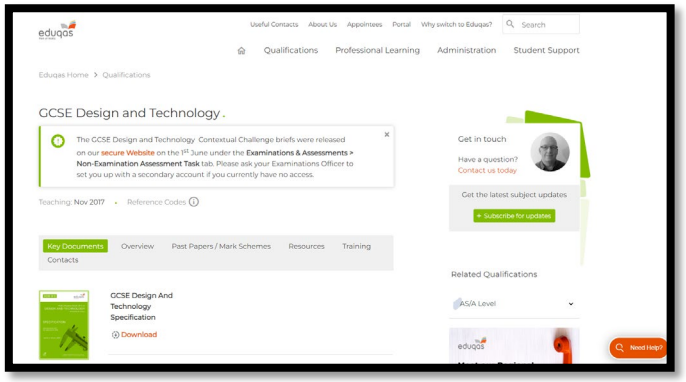


SUBJECT OFFICER:
JASON CATES
SUBJECT SUPPORT OFFICER:
JODIE MEARING-LANE

029 9940 4303

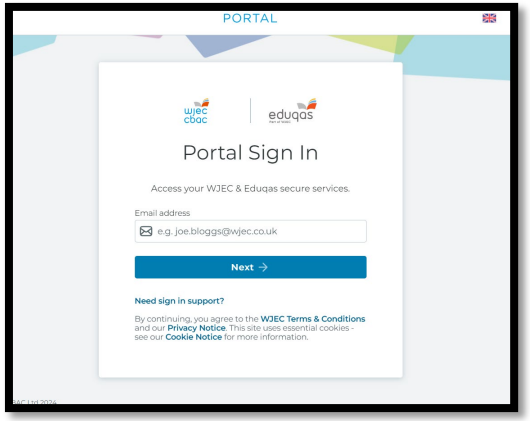
designandtechnology@eduqas.co.uk

Websites



The Eduqas GCSE Design and Technology Subject Webpage on the Eduqas website is the starting place for anyone teaching the specification and contains a range of official documentation relating to the qualification.

Portal by WJEC* gives teachers access to Exemplar and CPD materials as well as access to past papers and marking schemes ahead of their publication on the public website.



The Educational Resources Website hosts free digital resources created by our dedicated team of subject experts and web developers to support the teaching and learning of Eduqas qualifications.

***Please note:** If you have not got a username or password or if you cannot see any of the resources Tabs highlighted in this document you will need to go to your Examinations Officer and request the correct permissions.

Key Dates

Available from Subject Webpage

A List of key dates for Eduqas GCSE Design and Technology is available on the Subject Webpage under Resources > Key Documents > Key Information

Published at the start of each year, this document will give you all the important dates you need to plan for the year ahead.

Static Dates:

21st February - Entries Deadline

5th May - Submissions of Marks Deadline for Component 2 NEA

For all Eduqas Key Dates Click the image above

Frequently Asked Questions

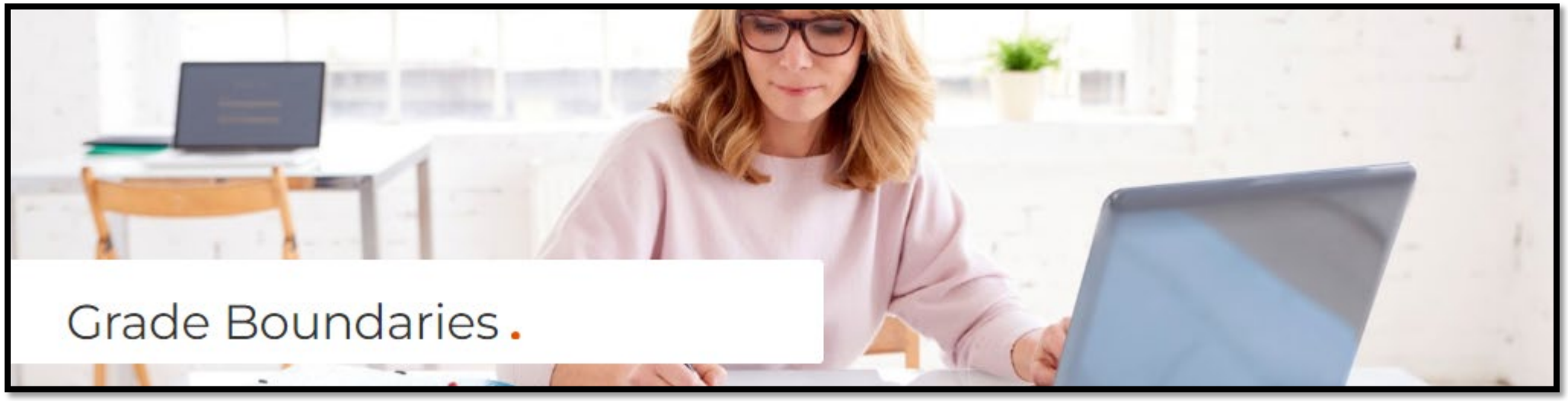
Available from Subject Webpage

A list of Frequently Asked Questions has been collected for teachers to refer to, however if you cannot locate the information you are looking for please do not hesitate to contact the subject team at designandtechnology@eduqas.co.uk

Please note: Eduqas Design and Technology does not have an official social media outlet and is not a member of any other social media groups. In a time of active social media there have been several instances where information, opinions and individual comments have been misinterpreted and, in some cases, resulted centres / teachers / candidates following incorrect guidance for certain qualifications. Therefore, we would strongly urge centres to follow guidance provided on our official websites and not inaccurate comments, posts, or releases on 'other' social media forums. If in any doubt, contact the Eduqas Design and Technology Team.

Grade Boundaries

Available from Eduqas Website

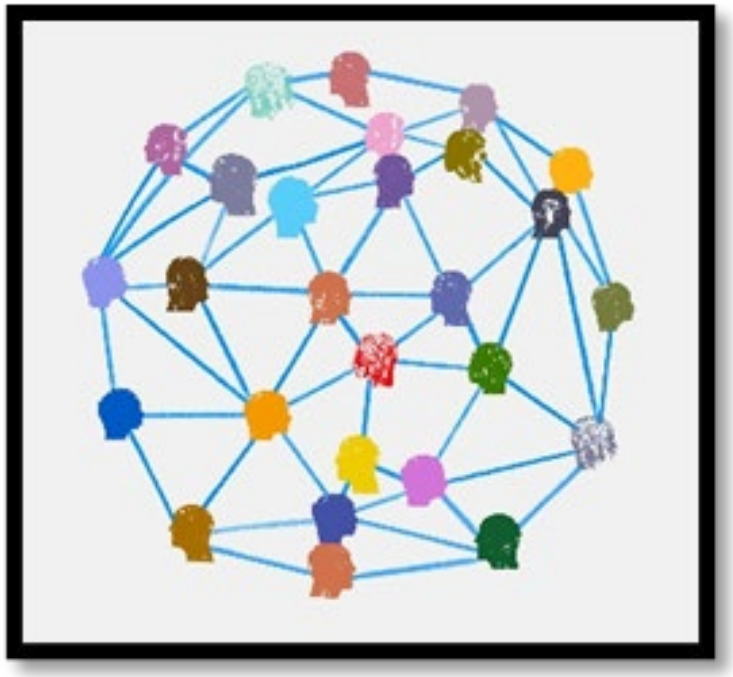


Grade boundaries are the minimum number of marks needed to achieve each grade. Whilst exam papers are written to the same level of difficulty, they do vary each year. Grade boundaries ensure that whenever the exam is sat, students receive the same grade for the same level of performance.

Click the image above to find the latest Design and Technology Grade boundaries.

Centres Networking

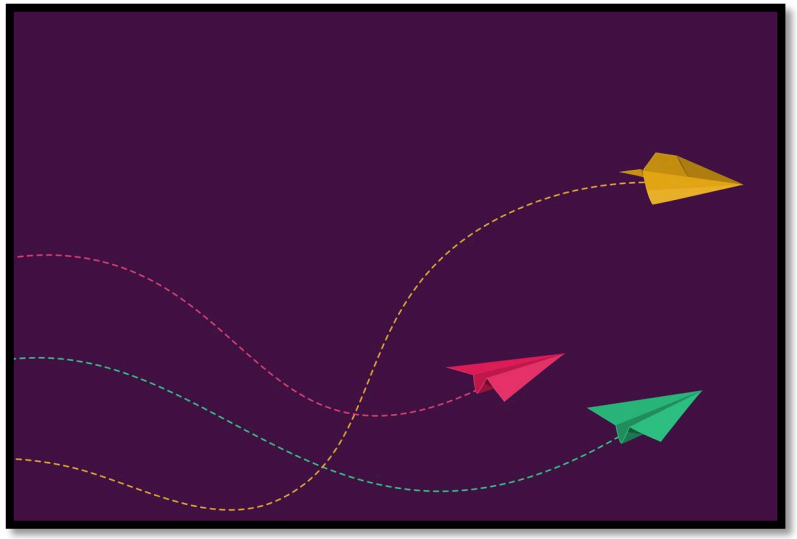
Available from Subject Webpage



Join our interactive map to connect with other teachers of Eduqas GCSE, AS and A Level Design & Technology.

Newsletters

Available from Subject Webpage



Click the Subscribe for updates button on the right-hand side of the Subject Webpage to sign up for email updates about the qualification, including the termly subject-specific newsletters published each September, January and April.

Past newsletters are also available from the Subject webpage under Resources > Key Documents > Newsletters.

Professional Learning

Eduqas offers a comprehensive range of professional learning opportunities to help you teach with confidence.

Details of our CPD provision for the current academic year is available here.

Materials from past CPD events are available on Portal by WJEC.

The Eduqas GCSE Design and Technology CPD MENU gives a brief description of all documents/resources that have been used in all of our GCSE Design and Technology CPDs since the start of the specification.

Exemplar

Available on Portal by WJEC

Resources>Subject Specific Support Materials

Filters: Subject>**Design and Technology**, Level>**GCSE**, Type of Document> **Exemplar Materials**, Brand>**Eduqas**

COMPONENT 1 – The Written Exam

We will no longer be housing new Exam exemplar on the Eduqas OER Website, however, the website will remain active for you to access past OERs. Exam Examplar plus their Commentaries will be available on Portal by WJEC for 2024 and subsequent years.

COMPONENT 2 – NEA – Design and Make

A range of projects across different focus areas are available. The exemplar projects should be used by teachers as a benchmark when marking their students NEA project work.

Past Papers and Mark Schemes

Available from Subject Webpage and on Portal by WJEC

Please read our Publication Policy for more information on when question papers and mark schemes are available on our public website. If the modified format of past paper is not available, please refer to our policy on the Availability of Assessment Materials in Modified Formats for further information.

Click on the image above to take you to the Past Papers and Mark Schemes on the Subject Webpage.

Please note that the Question Paper that was last assessed will not be available on the public website until 12 months after the date it was sat. This is to allow schools and colleges to use them, for example as internal resources to support candidates' preparation for exams. The most recent past paper and mark scheme can be found on Portal (secure website).

Non-Exam Assessment

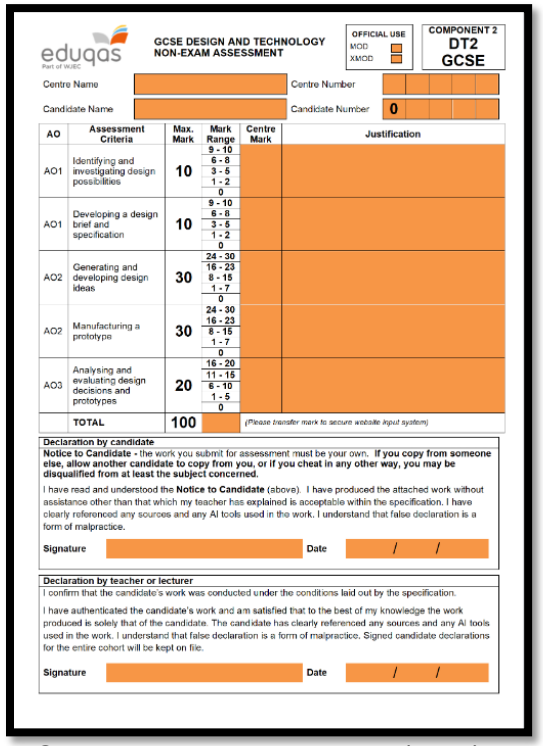
Available from Subject Webpage and on Portal by WJEC

Contextual Challenge Briefs

The GCSE Design and Technology Contextual challenge briefs are released on Portal on the 1st June under the Examinations & Assessments > Non-Examination Assessment Task Tab.

Please ask your Examinations Officer to set you up with a secondary account if you currently have no access.

Click on the images below to download the relevant forms from the Subject Website (resources > Key Documents > Non-Exam Assessment)



GCSE DESIGN AND TECHNOLOGY
NON-EXAM ASSESSMENT

OFFICIAL USE
MOD
XMOD

COMPONENT 2
DT2
GCSE

Centre Name | Centre Number
Candidate Name | Candidate Number 0

AO	Assessment Criteria	Max. Mark	Mark Range	Centre Mark	Justification
AO1	Identifying and investigating design possibilities	10	9 - 10 6 - 8 3 - 5 1 - 2 0		
AO1	Developing a design brief and specification	10	9 - 10 6 - 8 3 - 5 1 - 2 0		
AO2	Generating and developing design ideas	30	24 - 30 16 - 23 8 - 15 1 - 7 0		
AO2	Manufacturing a prototype	30	24 - 30 16 - 23 8 - 15 1 - 7 0		
AO3	Analysing and evaluating design decisions and prototypes	20	16 - 20 11 - 15 6 - 10 1 - 5 0		
	TOTAL	100			(Please transfer mark to secure website input system)

Declaration by candidate

Notice to Candidate - the work you submit for assessment must be your own. **If you copy from someone else, allow another candidate to copy from you, or if you cheat in any other way, you may be disqualified from at least the subject concerned.**

I have read and understood the **Notice to Candidate** (above). I have produced the attached work without assistance other than that which my teacher has explained is acceptable within the specification. I have clearly referenced any sources and any AI tools used in the work. I understand that false declaration is a form of malpractice.

Signature | Date / /

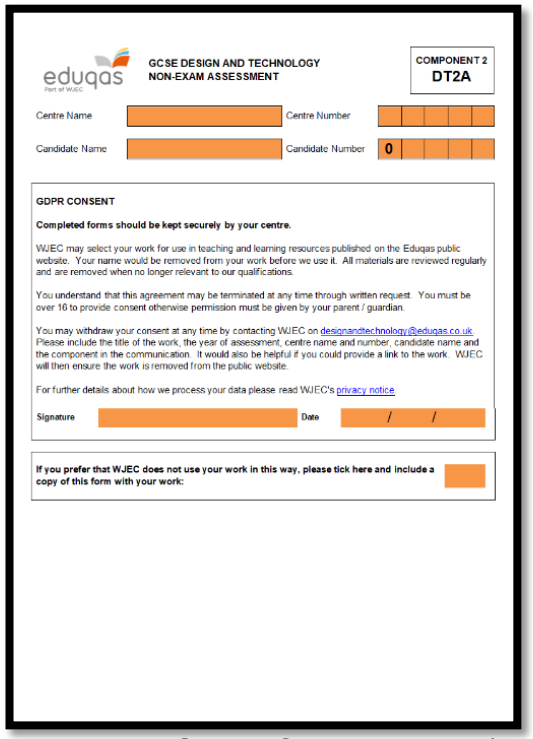
Declaration by teacher or lecturer

I confirm that the candidate's work was conducted under the conditions laid out by the specification.

I have authenticated the candidate's work and am satisfied that to the best of my knowledge the work produced is solely that of the candidate. The candidate has clearly referenced any sources and any AI tools used in the work. I understand that false declaration is a form of malpractice. Signed candidate declarations for the entire cohort will be kept on file.

Signature | Date / /

Component 2: Marksheet (DT2)



GCSE DESIGN AND TECHNOLOGY
NON-EXAM ASSESSMENT

COMPONENT 2
DT2A

Centre Name | Centre Number
Candidate Name | Candidate Number 0

GDPR CONSENT

Completed forms should be kept securely by your centre.

WJEC may select your work for use in teaching and learning resources published on the Eduqas public website. Your name would be removed from your work before we use it. All materials are reviewed regularly and are removed when no longer relevant to our qualifications.

You understand that this agreement may be terminated at any time through written request. You must be over 16 to provide consent otherwise permission must be given by your parent / guardian.

You may withdraw your consent at any time by contacting WJEC on designandtechnology@eduqas.co.uk. Please include the title of the work, the year of assessment, centre name and number, candidate name and the component in the communication. It would also be helpful if you could provide a link to the work. WJEC will then ensure the work is removed from the public website.

For further details about how we process your data please read WJEC's privacy notice.

Signature | Date / /

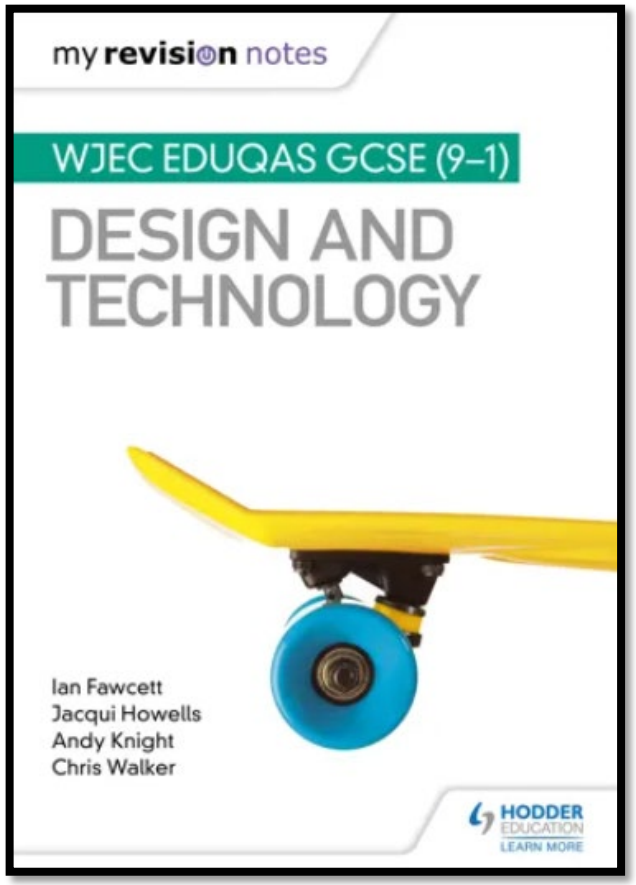
If you prefer that WJEC does not use your work in this way, please tick here and include a copy of this form with your work:

Component 2: GDPR Consent Form (DT2A)

Textbooks

Available from www.hoddereducation.com

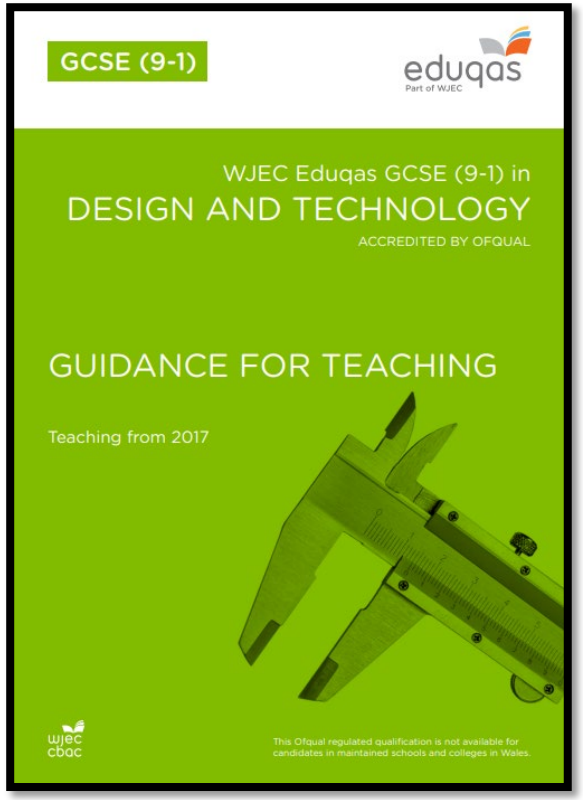
ISBN:9781510451346

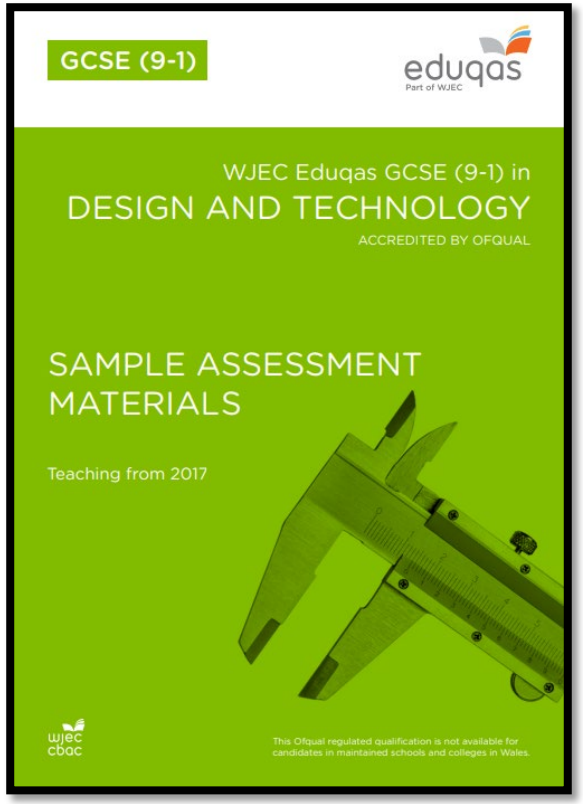


ISBN:9781510471696

Teacher Resources

Available from [Subject Webpage]





Knowledge Organisers

Available from Educational Resources Website

- GCSE Design and Technology Fashion & Textiles Knowledge Organisers
- GCSE Design and Technology Product Design Knowledge Organisers

Blended Learning – Product Design

Available from [Educational Resources Website]

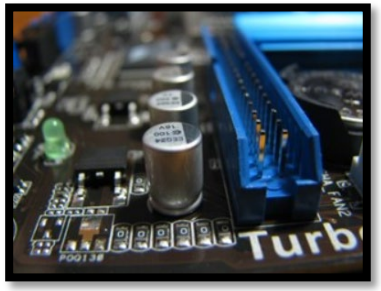
Polymers

Modern and Smart Materials

Natural and Manufactured Timber

The Way in which the Selection of Materials or Components is Influenced by a Range of Factors

Stock Forms, Types and Sizes in Order to Calculate and Determine the Quantity of Materials or Components Required



Electronic Systems, Programmable Components and Mechanical Devices

Specialist Techniques That Can Be Used to Shape, Fabricate, Construct and Assemble a High Quality Prototype

Papers and Boards

Alternative Processes That Can Be Used to Manufacture Products to Different Scales of Production

Ferrous and Non-Ferrous Metals

Appropriate Surface Treatments and Finishes That Can Be Applied for Functional and Aesthetic Purposes

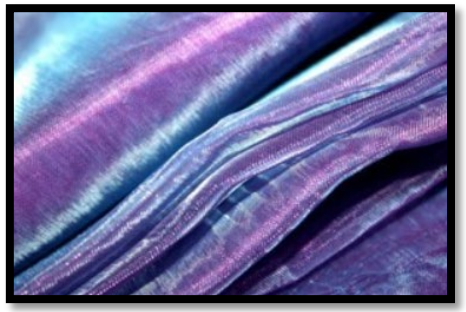
Blended Learning – Fashion & Textiles

Available from [Educational Resources Website]

Commercial Manufacturing

Woven and Non-Woven, and Technical Textiles

Product Analysis



Natural, Synthetic, Blended and Mixed Fibres

Stock Forms of Materials and Components

Surface Treatment

Fabric Finishes

Modern and Smart Materials

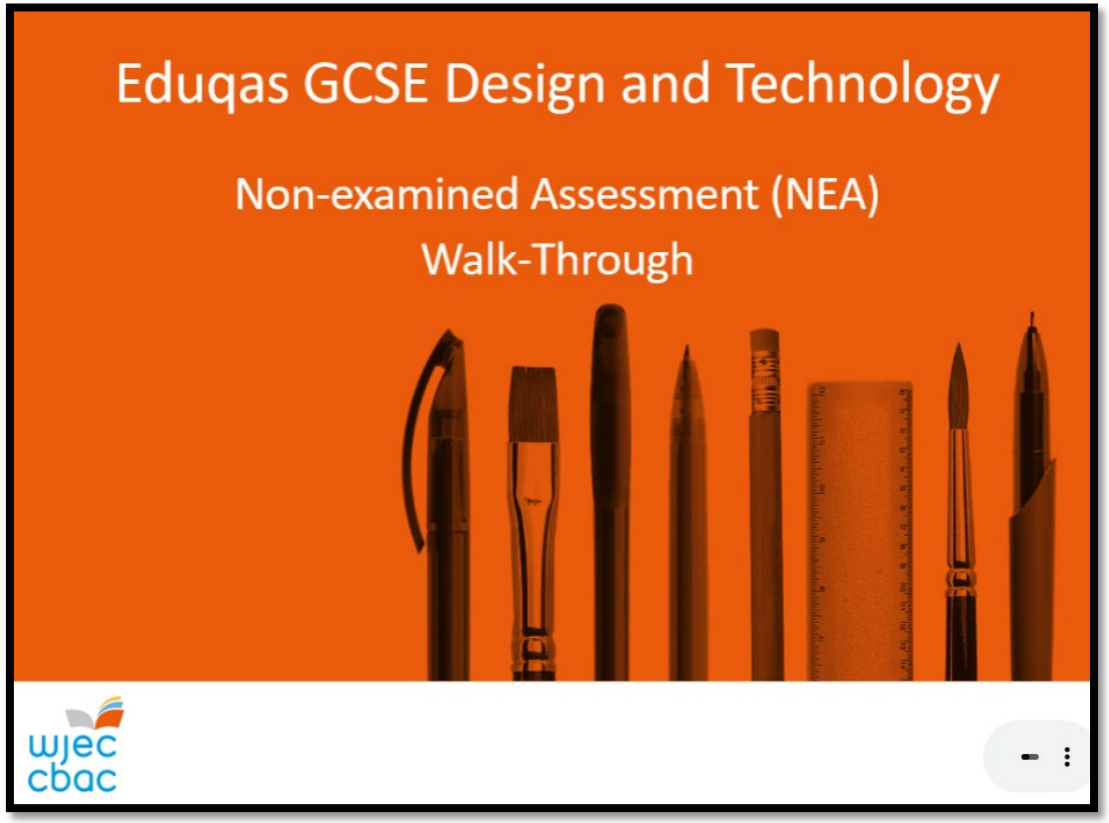
Human Responsibility

Technical Textiles

Specialist Techniques and Processes

NEA Walk Through

Available from [Educational Resources Website]

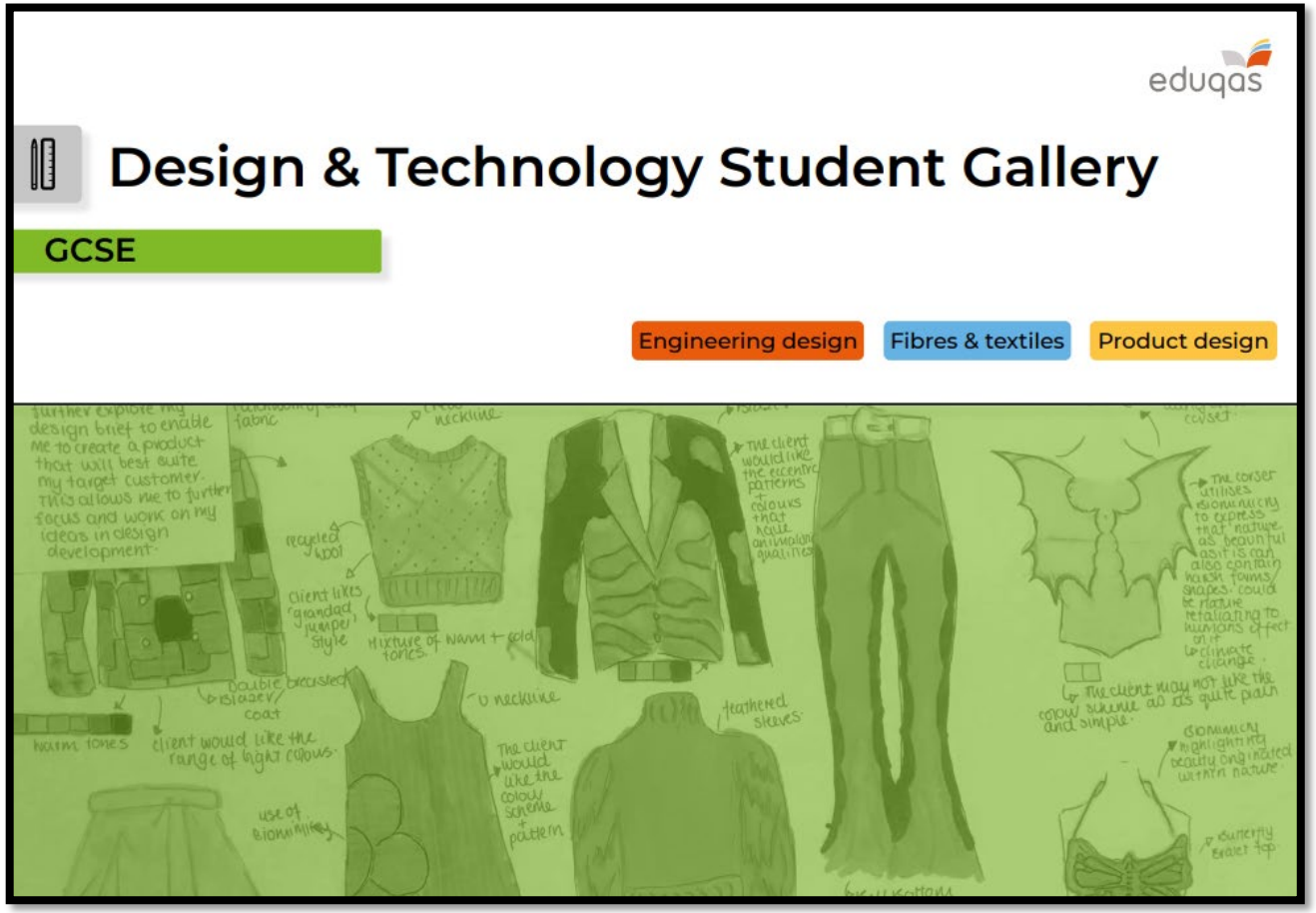


Aimed at learners, this PowerPoint offers practical hints and tips on how to effectively prepare for the NEA.

Tip: Make sure you download the PowerPoint to ensure the audio function works effectively, make sure your speakers / headphones are on and don't forget to ask your teacher if there is anything you are unsure of.

Exemplar Gallery

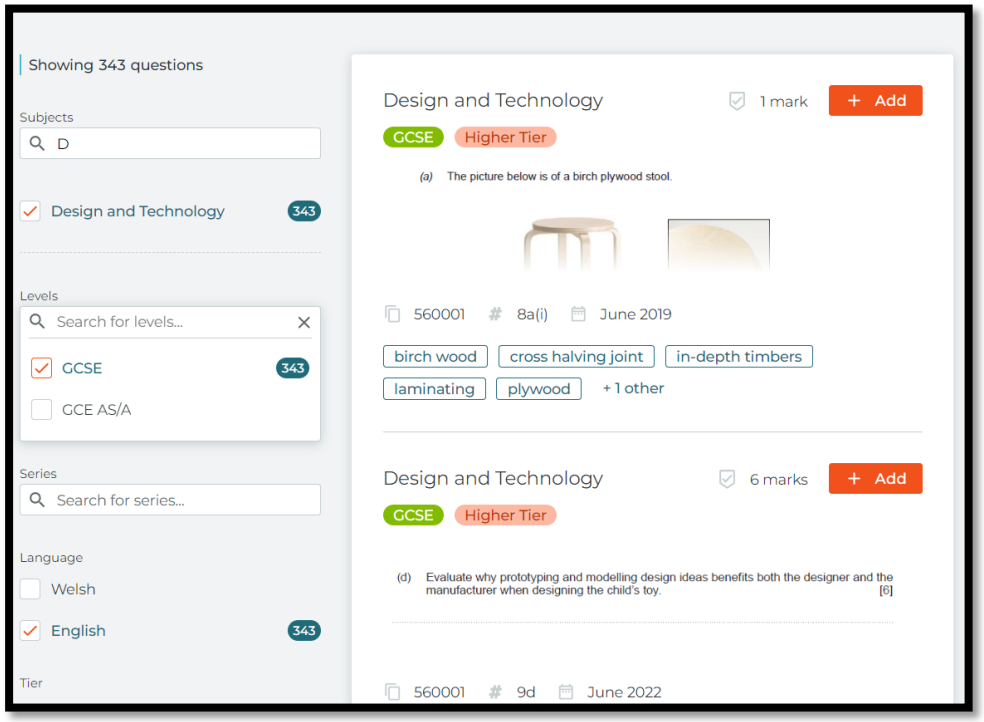
Available from [Educational Resources Website]



View some of the creative and innovative solutions to identified problems produced during the NEA components of Design and Technology GCSE qualifications.

Question Bank

Available from [Educational Resources Website]



Question Bank is a free tool which allows you to create practice question papers from thousands of Eduqas past paper questions. Find the questions you need, add them to your paper and export your paper with accompanying mark scheme and examiner's comments as a PDF ready to use in the classroom.

Planners

Available from [Educational Resources Website]

Lesson Planning

A sample medium term plan and accompanying sample lessons plans that give teachers a starting point for effectively integrating blended learning into their teaching.

These plans are fully editable so teachers can adapt to suit their classes.

Student Planner

A downloadable planner to aid learners in tracking their understanding of the topics to be assessed. This will be an invaluable resource to aid revision by giving an instant overview of where gaps in knowledge need to be addressed.

Other Resources

Available from [Educational Resources Website]

BBC Bitesize

Core Knowledge and Understanding and Mathematics

Building ideas - From Planning to Conception

Useful Contacts

If you have a Design and Technology query, please do not hesitate to contact the Subject Team using the contact details at the start of this booklet.

Please click on the image below for other useful contacts, such as; Entries and CPD.