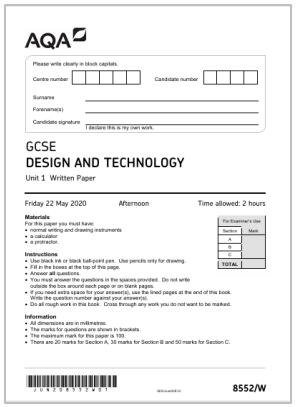
Design Technology revision in free lessons

Three great ways to revise in your free lessons:


AQA

Please write clearly in block capitals.

Centre number Candidate number

Surname

Forename(s)

Candidate signature I declare this is my own work.

GCSE

DESIGN AND TECHNOLOGY

Unit 1 Written Paper

Friday 22 May 2020 Afternoon Time allowed: 2 hours

Materials

For this paper you must have:
- normal writing and drawing instruments
- a calculator
- a protractor

Instructions
- Use black ink or black ball-point pen. Use pencils only for drawing.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information
- All dimensions are in millimetres.
- The marks for questions are shown in brackets.
- The maximum mark for this paper is 100.
- There are 20 marks for Section A, 30 marks for Section B and 50 marks for Section C.

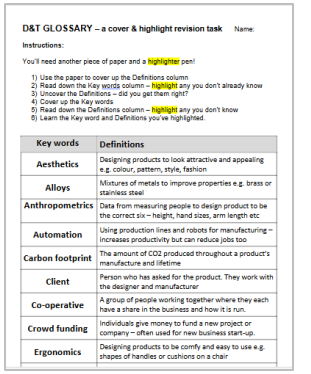
For Examiner's Use

Section	Mark
A	
B	
C	
TOTAL	

8552/W

[Mark scheme: Paper 1 - June 2023]

1) Exam questions – work through the 2023 exam paper using the internet or the AQA mark scheme. Don't skip the hard questions – they are the ones you need to learn / practice most!


D&T GLOSSARY – a cover & highlight revision task Name:

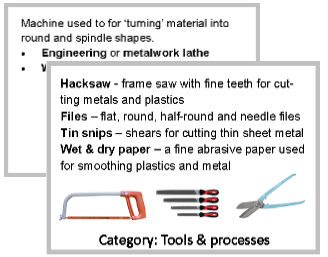
Instructions:

You'll need another piece of paper and a highlighter pen!

1) Use the paper to cover up the Definitions column
2) Read down the Key words column – highlight any you don't already know
3) Uncover the Definitions – did you get them right?
4) Cover up the Key words
5) Read down the Definitions column – highlight any you don't know
6) Learn the Key word and Definitions you've highlighted.

Key words	Definitions
Aesthetics	Designing products to look attractive and appealing e.g. colour, pattern, style, fashion
Alloys	Mixtures of metals to improve properties e.g. brass or stainless steel
Anthropometrics	Data from measuring people to design product to be the correct six – height, hand sizes, arm length etc
Automation	Using production lines and robots for manufacturing – increases productivity but can reduce jobs too
Carbon footprint	The amount of CO2 produced throughout a product's manufacture and lifetime
Client	Person who has asked for the product. They work with the designer and manufacturer
Co-operative	A group of people working together where they each have a share in the business and how it is run.
Crowd funding	Individuals give money to fund a new project or company – often used for new business start-up.
Ergonomics	Designing products to be comfy and easy to use e.g. shapes of handles or cushions on a chair

1) Glossary – use cover and recall to test yourself on the key words that always come up in the exam.


Machine used to for 'turning' material into round and spindle shapes.
- Engineering or metalwork lathe
- V

Hacksaw - frame saw with fine teeth for cutting metals and plastics
Files – flat, round, half-round and needle files
Tin snips – shears for cutting thin sheet metal
Wet & dry paper – a fine abrasive paper used for smoothing plastics and metal

Category: Tools & processes

2) Flash cards – use the flash cards to test yourself (or your friends) on what you know. Sort into two piles 'Got this' and 'No idea!' and keep working through the ones you don't know.

Pop down to Technology to collect revision resources

Exam technique tips

Skim read through the whole paper – this gets your brain subconsciously thinking about what's coming up later!

Look for and underline or highlight key technical or command words in questions – this forces you to read the question really carefully.

If you can't understand a question ignore tricky words until you can have a go at answering it! Don't leave blanks!!!

Multiple choice Qs

Don't get caught out! – see which answer you think is right – check by proving the others wrong!

Fill in the lozenges correctly – it shows you how in the paper – these questions are read by a computer not a person…

Each of Questions **01** to **10** is followed by four responses, **A**, **B**, **C** and **D**.

For each question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD 

WRONG METHODS 

If you want to change your answer you must cross out your original answer as shown. 

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown. 

Command words to look out for..

Specific material – you need to say **pine, aluminium, acrylic** etc instead of wood metal, plastic

Explain – state and give an example ‘hardwood such as oak because it is strong’

Discuss, evaluate or **analyse** – use examples and look for a balanced view = **good** and **bad** points

Look out for choices in Section B

These exams include students who might have focussed on graphics, textiles or electronics - you've learned most about **wood and metal**.

1 6 Choose **one** of the addition processes in the table below.

Lamination	Printing	Sewing	Soldering	Welding

My chosen process is _____

In the box below, use notes **and** sketches to describe your chosen process.

Identify the equipment used in your chosen process.

[6 marks]

Read the question carefully and pick the options you know most about!!

Whose point of view?

Look out for questions asking the benefits to a <u>particular group of people</u> involved in design, manufacture or use of a product.

User

Client

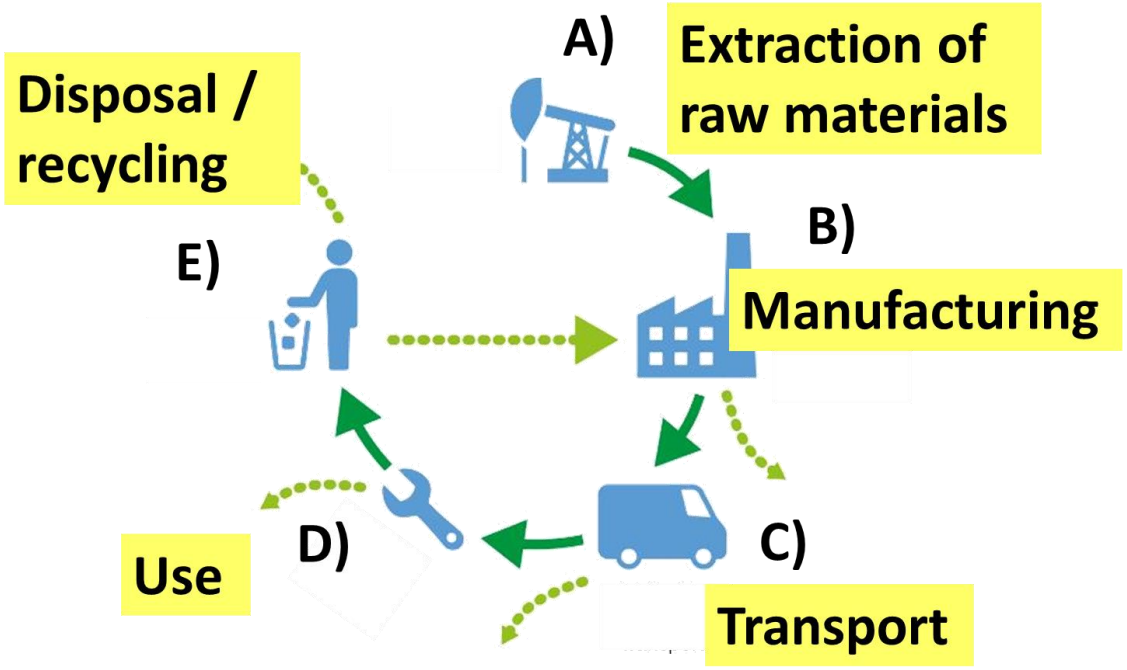
Designer

Manufacturer

<u>Think carefully - what's most important to them?</u>

Environmental discussion Qs

You know loads about this from science and geography! Use **Life Cycle Analysis** and the **6Rs** of sustainable design to help plan your answer



- Refuse
- Rethink
- Reduce
- Re-use
- Repair
- Recycle

Be the examiner!

At the end look back through your whole paper really carefully – imagine you're the examiner… would you give yourself the marks?!

- Did you read the question properly – check key terms
- Can they read your writing – rewrite important words
- Would they award you all of the marks - especially 2-8 mark questions?