

Advance Information for Summer 2022

GCSE (9–1)

Design and Technology

J310

We have produced this advance information to support teachers and students with revision for the Summer 2022 examinations.

Information

- This notice covers Component J310/01 only.
- This notice does **not** cover the non-examined assessment (NEA) component.
- There are no restrictions on who can use this notice.
- The format/structure of the paper remains unchanged.
- You are **not** permitted to take this notice into the exam.
- This document has **2** pages.

Advice

- Students and teachers can discuss this notice.
- It is advised that teaching and learning should still cover the entire subject content in the specification.

If you have any queries about this notice, please call our Customer Support Centre on **01223 553998** or email general.qualifications@ocr.org.uk.

J310/01 Principles of Design and Technology

This list shows the topics that will be mainly, although **not** exclusively, tested through the higher tariff questions.

The topics listed are taken from the specification content that is set out through an enquiry approach. These are not examination questions.

Students and teachers should consider how to focus their revision of other parts of the specification which may be tested in other questions.

2. Learning from existing products and practice

2.1 What are the opportunities and constraints that influence design and making requirements?

2.2 How do developments in Design and Technology influence design decisions and practice?

3. Implications of wider issues

3.1. What are the impacts of new and emerging technologies when developing design solutions?

3.3 What wider implications can have an influence on the processes of designing and making?

5. Material considerations

5.3 Why is it important to understand the sources or origins of materials and/or system components?

7. Manufacturing processes and techniques

7.3 How do designers and manufacturers ensure accuracy when making prototypes and products?

7.4 How do industry professionals use digital design tools when exploring and developing design ideas?

7.5 How do processes vary when manufacturing products to different scales of production?

b. Awareness of manufacturing processes used for larger scales of production

END OF ADVANCE INFORMATION

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