

# Pearson Edexcel GCE

May–June 2022 Assessment Window

Syllabus  
reference

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## Design and Technology Advance Information

You are not permitted to take this notice into the examination.  
This document is valid if downloaded from the [Pearson Qualifications website](https://www.pearsonqualifications.com).

### Instructions

- Please ensure that you have read this notice before the examination.

### Information

- This notice covers Component 01 only.
- The format/structure of the assessments remains unchanged.
- The advance information details the focus of the content of the exams in the May–June 2022 assessments.
- There are no restrictions on who can use this notice.
- This notice is meant to help students to focus their revision time.
- Students and teachers can discuss the advance information.
- This document has 3 pages.

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## General advice

- In addition to covering the content outlined in the advance information, students and teachers should consider how to:
  - manage their revision of parts of the specification which may be assessed in areas not covered by the advance information
  - manage their revision of other parts of the specification which may provide knowledge which helps with understanding the areas being tested in 2022.
- For specifications with synoptic assessments, topics not explicitly given in the advance information may appear, e.g. where students are asked to bring together knowledge, skills and understanding from across the specification.
- For specifications with optional papers/topics/content, students should only refer to the advance information for their intended option.
- For specifications with NEA, advance information does not cover any NEA components.

A link to the Joint Council for Qualifications guidance document on advance information can be found on the Joint Council for Qualifications website or [here](#).

## **Advance Information**

### **Subject specific section**

- The advanced information set out below where possible reflects all of the paper's higher tariff questions, not including mathematics related questions.
- High tariff question topics can also appear as lower tariff questions within the paper.
- The advance information content is presented in numerical order as set out in the specification and not reflecting the question order of the examination paper.
- Content not listed here can appear within the paper in any question style.
- The format and length of the exam paper will remain consistent with previous exam series.

The topic references below are drawn from Issue 2 of the Pearson Edexcel GCE Design and Technology specification which is available [here](#).

### **Topic 1 Materials**

1.7 Smart and modern materials

### **Topic 3 Processes, techniques and specialist tools**

3.1 Processes, applications, characteristics, advantages and disadvantages of processes, techniques and specialist tools, in order to discriminate between them and select appropriately, including the selection of specific and relevant tools to be used for domestic, commercial and industrial products and systems, and use safely when experimenting, improving and refining in order to realise a design

### **Topic 6 Effects of technological developments**

6.1 Current and historical technological developments that have had an effect on the work of designers and technologists and their social, moral and ethical impacts

### **Topic 8 Features of manufacturing industries**

8.1 Characteristics and stages of methods of production when applied to products and materials

### **Topic 10 Current legislation**

10.2 The principles and applications of health and safety laws and regulations and their impact on the designing and making process, including the consequences of non-adherence

### **Topic 12 Further processes and techniques**

12.3 The cost, sales, profit and market implications to the designer and manufacturer of the stages of a product's life cycle

### **END OF ADVANCE INFORMATION**