



Edexcel A-Level Design Technology - Product Design

Advance Information

All information can be found using the following link; [GCE A \(9DT0\) Design & Technology Advance Information \(pearson.com\)](https://www.pearson.com/9DT0)

- 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 specification 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 following topics will be examined and should be prioritised for revision, however please note that all other areas of the specification can still be examined, along with any mathematics-related questions.

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

The topic references above are drawn from Issue 2 of the Pearson Edexcel GCE Design and Technology specification which is available using the following link; [Specification - A-Level Design and Technology \(pearson.com\)](https://www.pearson.com/9DT0)