

A Level Product Design

Please complete one line from the task box below. All students must complete the middle box.

Draw a house, table, mobile phone, chair or a product of your choice using the technique 2 point perspective.	Draw a table, chair or a product of your choice using the technique 1 point perspective.	Write down the properties and uses of 1 timber, 1 polymer and 1 metal - 300 words maximum.
Using words and diagrams explain the polymer processes: Vacuum forming, blow moulding, injection moulding, line bending.	Research about the designer Dieter Rams and write 500 words about the 10 principles of design.	Write 300 words about ergonomics and anthropometrics.
Explain the following wood joints using words and diagrams: dovetail, housing, lap, dowel, mortise and tenon joint.	Draw an orthographic drawing for a house, table, mobile phone or a product of your choice.	Write 300 words about sustainability.

Useful resources/websites

<https://m.youtube.com/@GGTechnology2023>, <https://www.technologystudent.com/>,
<https://www.aqa.org.uk/subjects/design-and-technology>,
<https://www.ucas.com/explore/career-path/2.2>, <https://www.ucas.com/explore/career-path/5.1>
<https://www.ucas.com/explore/career-page/5.1/3429>, <https://www.gov.uk/apply-apprenticeship>

Suggested books/reading list

- My Revision Notes- AQA A Level Design and Technology Product Design-
- Julia Morrison and Dave Sumpner
- AQA AS/A-Level Design and Technology: Product Design- Ian Grainger, Will Potts, Julia Morrison and Dave Sumpner
- Essential Maths Skills for AS/A level Design and Technology- Peter Warne and Chris Walker.