



Design & Technology: Product Design

Summer Work 2021

This summer work is set to give you a taste of some of the activities you will be carrying out on the A Level Product Design course. You are expected to spend approximately 5 hours on this and this will be collected on the first lesson of your Year 12 course.

Task 1: explain using notes and sketches each of the following processes;

- Vacuum forming
- Thermoforming
- Line bending
- Laminating (layup)
- Injection moulding
- Blow moulding
- Rotational moulding
- Extrusion
- Compression moulding.

Task 2: choose 1 of the designers or design movements listed below and present a detailed case study of their work. Include their design style, philosophy and examples of their work and what their influence was on other designers.

Designers

- Phillipe Starck
- James Dyson
- Margaret Calvert
- Dieter Rams
- Charles and Ray Eames
- Marianne Brandt.

Design movements

- Bauhaus
- Art Deco
- The Memphis Group

Task 3: choose another designer/design movement from the list above and design a product of your choice in their design style – this design should be presented in a **3d design style** and you need to highlight where you have included their design style.