Sandringham School
'Everybody can be Somebody'

Design & Technology: Product Design

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.