

Product Design and Technology



Seymour
College

What is Product Design?

The planning, design and creation of things people use. This includes everything from bridges and cars to toasters, furniture - or even a fancy cake!

Students assume the role of a designer-maker working with Wood, Metal, Plastic and Textiles.

Developing CAD, CAM and 3D printing skills.



Course Structure

The study is made up of four units.

Unit 1: **Sustainable product redevelopment**

Product design factors, lifecycle analysis/assessment, Improving the purpose/function and sustainability. **Make a redeveloped product**

Unit 2: **Collaborative design**

Students work in teams to design and develop an item, teamwork encourages communication. **Design and make as a team**

Unit 3: **Applying the product design process**

The design and development of a product that addresses a personal, local, or global problem. **Investigate, Design, Plan and Prototype**

Unit 4: **Product development and evaluation**

End-user/s feedback, comparative analysis and evaluation methods, safely manufacture the product. **Make and gain feedback**

Career Opportunities!

VCE Product Design and Technology offers students a range of career pathways in fields such as:

industrial transport service interior and exhibition
engineering fashion furniture
jewellery textile and ceramics

Developing technical skills enabling students to present multiple solutions to everyday life situations.

What Skills Will I Gain?

- Creativity
- Planning
- Evaluation
- Problem solving
- Teamwork
- Communication

Related Subjects

- Art
- Maths
- ICT
- Physics
- Chemistry

