

VCE

Product Design and Technology

Seymour College



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1. Product Design overview

Designers play an important part in our daily lives. They determine the form and function of the products we use and transform ideas into drawings and plans for the creation of products that fulfil human needs and wants.

Students assume the role of a designer-maker. In adopting this role, they develop and apply knowledge of factors that influence design

2. Structure

The study is made up of four units.

Yr. 11

Unit 1: Design practices

Unit 2: Positive impacts for end users

Yr. 12

Unit 3: Unit 3: Ethical product design and development

Unit 4: Ethical production and evaluation

3. Unit 1 & 2

Unit 1: **Design Practices**

This unit focuses on the work of designers across relevant specialisations in product design. Students explore how designers collaborate and work in teams; they consider the processes that designers use to conduct research and the techniques they employ to generate ideas and design products.

Unit 2: **Positive impacts for end users**

Designers should look outward, both locally and globally, to research the diverse needs of end users. They should explore how inclusive product design solutions can support belonging, access, usability and equity. In this unit, students specifically examine social and/or physical influences on design.

4. Units 3 & 4

Unit 3: **Ethical product design and development**

In this unit students research a real personal, local or global need or opportunity with explicit links to ethical considerations. They conduct research to generate product concepts and a final proof of concept for a product solution that addresses the need(s) or opportunities of the end user(s).

Unit 4: **Production and evaluation of ethical designs**

In this unit students continue to work as designers throughout the production process. They observe safe work practices in their chosen design specialisations by refining their production skills using a range of materials, tools and processes.

5. Entry Requirements & Assessment

VCE Product Design and Technology does not have any pre-requisites to entry. Any student may enroll in the subject regardless of their previous study and interests.

VCE Product Design and Technology is assessed via the following written assessments and tasks:

Units 3 and 4 School-assessed Coursework: 20 per cent

Units 3 and 4 School-assessed Task: 50 per cent

End-of-year examination: 30 per cent.

Why Product Design?

The choices that you will be making for your future should include the past!

VCE Product Design and Technology offers students a range of career pathways in design in fields such as industrial, transport, service, interior and exhibition, engineering, fashion, furniture, jewellery, textile and ceramics, at both professional and vocational levels.

Product Design and Technology informs sustainable behaviours and develops technical skills enabling students to present multiple solutions to everyday life situations.