

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: Sustainable product redevelopment

Unit 2: Collaborative design

Yr 12

Unit 3: Applying the product design process

Unit 4: Product development and evaluation

3. Unit 1 & 2

Unit 1: Sustainable product redevelopment

Students investigate and consider how a product could be sustainably redeveloped before referring to their working drawings and scheduled production plan, to apply a range of techniques and processes to safely make a redeveloped product.

Unit 2: Collaborative design

In this unit students work in teams to design and develop an item in a product range or contribute to the design, planning and production of a group product

4. Units 3 & 4

Unit 3: Applying the product design process

Students are engaged in the design and development of a product that addresses a personal, local, or global problem including:

Designing for end-user/s

Product development in industry

Designing for others

Unit 4: Product development and evaluation

Students engage with an end-user/s to gain feedback throughout production. Students make comparisons between similar products to help evaluate the success of their product in relation to a range of product design factors.

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.