

STUDY SUMMARIES FOR REVISED VCE STUDIES 2001

Design and Technology

Rationale

This study engages student in technological tasks that call on their knowledge and understanding of materials and production processes to design and make products suitable for their intended purpose. Students also have opportunities to undertake production activities often related to industrial and commercial practices.

Structure

The study is made up of four units.

Unit 1

This unit focuses on the distinctive properties of materials, the selection of materials for specific purposes and the tools, equipment and machines used to process materials.

Unit 2

This unit focuses on the origins of products, the considerations and constraints that may be imposed as products are developed and the impact of these constraints on product solutions.

Units 3 and 4

In these units students explore the complex forces involved in the design and development of a product for the mass market. They also focus on how judgements of products can be informed by a comparison of products in terms of their quality, usefulness and appeal. The role and influence of product promotion and marketing are also considered.

Entry

There are no prerequisites for entry to Units 1, 2 and 3. Students must undertake Unit 3 prior to undertaking Unit 4.

Assessment

Satisfactory Completion

Demonstrated achievement of outcomes specified for the unit.

Levels of Achievement

Units 1 and 2

Individual school decision.

Units 3 and 4

School-assessed tasks, school-assessed coursework and an end-of-year examination.

- Unit 3 school-assessed coursework: 10 per cent
- Unit 4 school-assessed coursework: 10 per cent
- Units 3 and 4 school-assessed task: 50 per cent
- Units 3 and 4 examination: 30 per cent