

# Technology and Applied Studies

## Textiles and Design

### COURSE DETAILS

Hours	240 hours
Type	Board Developed Course
Duration	2 years
Unit Value	2-unit Year 11 2-unit Year 12
HSC Exam	Yes
ATAR	Yes
Exclusions	Nil
RECOGNITION	HSC Qualification

### COURSE DESCRIPTION

The science and technology of textiles is investigated through a study of properties and performance, allowing students to make informed consumer choices in the textiles area. Technological and practical skills are developed and enhanced through the use of textile-related technologies, including those that are computer based. The concept of design elements and principles, as being both functional and aesthetic and as part of the creative design process, are examined within the specialised field of textiles.

Through the area of study relating to the Australian Textile, Clothing, Footwear and Allied Industries, the course offers students the opportunity to explore advances in technology, current issues facing the industry and employment opportunities. Textiles and Design develops a body of knowledge, skills and values that contribute to the overall education of students and which can provide opportunities for small business and leisure activities useful throughout life. It develops student creativity and project management skills that promote self-esteem and satisfaction. Students develop an understanding that textiles in industry, small business and in leisure activities has an emphasis on project work and students emulate this through the designing, planning and manufacturing of a Major Textiles Project.

### AIM

Textiles and Design is designed to enable students to understand and appreciate the nature and significance of textiles and to develop confidence and competence in the selection, design, manufacture and application of textile items.

### COURSE OUTCOMES (from NESAs)

- P1.1 describes the elements and principles of design and uses them in a variety of applications
- P1.2 identifies the functional and aesthetic requirements and features of a range of textile items
- P2.1 demonstrates the use of a variety of communication skills, including computer-based technology
- P2.2 develops competence in the selection and use of appropriate manufacturing techniques and equipment
- P2.3 manages the design and manufacture of textile projects
- P3.1 identifies properties of a variety of fabrics, yarns and fibres
- P3.2 justifies the selection of fabrics, yarns and fibres for end-uses
- P4.1 identifies and selects textiles for specific end-uses based on analysis of experimentation
- P5.1 examines the status of the Australian Textile, Clothing, Footwear and Allied Industries within the global context
- P5.2 investigates the range of career options in design, consumerism, manufacturing and retail sectors of the Australian Textile, Clothing, Footwear and Allied Industries
- P6.1 identifies and appreciates the factors that contribute to the quality and value of textiles in society

### TOPICS COVERED

#### Year 11 Course

- Design 40% of course time
- Properties and Performance of Textiles 50% of course time
- Australian Textile, Clothing, Footwear and Allied Industries 10% of course time

Included in the Preliminary course is a Textile Project

#### Year 12 Course

- Design 20% of course time
- Properties and Performance of Textiles 20% of course time
- Australian Textile, Clothing, Footwear and Allied Industries 10% of course time
- Major Textiles Project 50% of course time

Students select one focus area through which they develop a project, which includes supporting documentation and textile item/s:

- Apparel
- Furnishings
- Costume
- textile arts
- non-apparel

### ASSESSMENT

Assessment strategies may include:

- Examinations 50%
- Textile Projects 50%

### POTENTIAL CAREERS / REASONS TO CHOOSE

- Fashion or textile arts Designer
- Furniture or non-apparel Designer
- Footwear or costume Designer
- Students will get the opportunity to demonstrate the development of manipulative, graphical, communication, research, decision-making, management and manufacturing skills