Stage 1 Subjects

Accounting
Art (Creative Arts)
Art and the Community
Australian Curriculum Maths Preparation 1
Australian Curriculum Maths Preparation 2
Biology
Business and Enterprise
Car Care
Chemistry
Child Studies
Community Services and Health Pathway Program (see page 80)
Computing
Design (Creative Arts)
Drama (Creative Arts)
English
English as an Additional Language
English as an Additional Language Foundation
English (Literary Studies)
Essential English
Essential Mathematics
Fitness for Women
Food and Hospitality
Food and the Community
Games for SACE Program (see page 17)
General Mathematics
Geography
Geology
Health Science
History
Humanities
Information Processing and Publishing
  Business
  Personal
Integrated Learning Numeracy
Introduction to Trades
Legal Studies
Mathematical Methods
Metal Machining
Personal Learning Plan
Photography
Physics
Psychology
Recreation and Fitness
Science Pathways
Society and Culture
Specialist Mathematics
STEM (Scientific Studies)
Stop Motion Animation
Textiles
Trade Communications
Trade Mathematics
Trade Science
Video Production
Volleyball
Welding
Women's Studies
Woodwork
Workplace Practices

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ACCOUNTING A AND B
Business, Enterprise and Technology
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
The study of Accounting gives students opportunities to learn practical skills needed to record and understand financial business information.

COURSE CONTENT
Accounting A
• Role of accounting
• Financial reports (Statement of receipts and payments)
• Business documents
• Keeping cash journals

Accounting B
• Personal financial information (Budgeting)
• Classified final reports and analysis and interpretation of final reports
• Journals
• Double entry recording

ASSESSMENT
Skills and Applications tasks 70%
Investigative Study 30%

FURTHER INFORMATION
Accounting A is not a prerequisite for Accounting B. The study of Stage 1 Accounting will be beneficial for the study of Accounting in Stage 2 and at tertiary level.

ART (CREATIVE ARTS) A AND B
Arts
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
In Art (Creative Arts), students study from the areas of drawing, painting and printmaking. They participate in the development and presentation of a product either individually or as a group. Students complete a focused exploration of skills related to an area of study.

Students also investigate other practitioners and their work, as well as appraising and analysing works of art.

COURSE CONTENT
The following areas of study are covered:
• Exploring and recording the Creative Arts Process
• Developing and producing the product
• Exploring key concepts related to the field of study
• Learning from other practitioners

ASSESSMENT
Product 50%
Folio 50%

Students can choose to study Art A or Art B, or both Art A and Art B.
## SACE Stage 1

### ART AND THE COMMUNITY

**A AND B**

Cross-disciplinary  
SACE Stage 1  
10 or 20 credits

**COURSE DESCRIPTION**

Students prepare a contract of work to undertake a community activity at the end of the course. Students develop an individual program of learning around their interest, knowledge and skills.

**COURSE CONTENT**

Students plan, make decisions and develop their art work leading to a final presentation in the form of an exhibition at the end of the semester. Students also reflect on their work, learning and feedback received.

**ASSESSMENT**

- Contract of Work
- Reflection

### AUSTRALIAN CURRICULUM

**MATHS PREPARATION 1**

Mathematics  
PreSACE

**COURSE DESCRIPTION**

This course is intended to develop the skills required to undertake Essential Mathematics. Students complete hands on exercises and learn how to write mathematical folio tasks. This course runs in semester 1 and 2 and serves as a pathways to Stage 1 Essential Mathematics.

**COURSE CONTENT**

- Operations
- Decimals and Fractions
- Percentages and Ratio
- Geometry

**ASSESSMENT**

- Skills and Applications tasks 75%
- Folio tasks 25%

### AUSTRALIAN CURRICULUM

**MATHS PREPARATION 2**

Mathematics  
PreSACE

**COURSE DESCRIPTION**

This course is designed to prepare students to undertake Stage 1 Mathematical Methods. Students will develop mathematical skills and mathematical literacy in an exciting and engaging learning environment. This course runs in semester 2 only and serves as a pathway to Stage 1 Mathematical Methods.

**COURSE CONTENT**

- Algebra
- Functions and Graphing
- Statistics

**ASSESSMENT**

- Investigations Folio 25%
- Mathematics Investigation
- Skills and Applications tasks 75%

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## BIOLOGY A AND B

**Sciences**

**SACE Stage 1** 10 or 20 credits

### COURSE DESCRIPTION
This subject is intended for students who have an interest in Biology and may wish to continue with further studies in Biology at Stage 2.

### COURSE CONTENT
**Biology A**
- Classification of animals
- Ecology
- Adaptation
- Use of microscopes
- Cell functions
- Cancer
- Human physiology

**Biology B**
- Micro-organisms
- Human physiology
- Plant adaptations
- Genetics

### ASSESSMENT
Assessment includes written tests, experiment reports, oral presentations and issues analysis.
- Skills and Applications tasks 60%
- Investigations 40%

### FURTHER INFORMATION
Prepares students for SACE Stage 2 Biology or Psychology.

## BUSINESS AND ENTERPRISE

**Business, Enterprise and Technology**

**SACE Stage 1** 10 credits

### COURSE DESCRIPTION
Students gain an understanding of business operations and how internal and external factors influence the performance of businesses. Students improve their knowledge and understanding of the contribution small businesses make to society.

### COURSE CONTENT
- Business in Australia
- Nature and Structure of Business
- Business Enterprise

### ASSESSMENT
- Folio 50%
- Practical 25%
- Issues Study 25%
CAR CARE A AND B
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students learn how to choose, buy and affordably run and maintain a motor vehicle. Topics include energy sources, automotive systems maintenance, simple fault finding and repair, finance and budgeting, personal consumer rights and obligations.

COURSE CONTENT
- Vehicle types and choices
- Fuel types and choices
- System identification and function
- Finance and budgeting
- Motoring organisations
- Pre-purchase inspection and consumer checks
- Owner's checks and maintenance schedules
- Subject specific literacy and numeracy

ASSESSMENT
Practical 40%
Group Activity 40%
Folio and Discussion 20%

FURTHER INFORMATION
This course provides a useful foundation for students contemplating a career or future study in the automotive industry.

CHEMISTRY A AND B
Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Chemistry A provides basic chemical knowledge that can be applied to everyday situations. Chemistry B provides a more specific background for Stage 2 Chemistry.

COURSE CONTENT
Chemistry A
- Atomic nature of matter
- Periodic Table - metals and non-metals
- Elements and compounds
- Structure of materials - metallic, ionic and covalent bonding
- Petrol and organic chemistry
- Laboratory skills (including WHS)
- Writing formulae and balancing equations

Chemistry B
- Stoichiometry
- Balancing equations and writing formulae
- Acids and salts
- Intermolecular forces
- Redox reactions
- Metal reactivity and electrochemistry
- Organic compounds
- Laboratory skills

ASSESSMENT
Skills and Applications tasks 45%
Folio 55%

FURTHER INFORMATION
It is recommended that students wishing to proceed to Stage 2 Chemistry complete both Chemistry A and Chemistry B.
COURSE DESCRIPTION
Students examine the period of childhood from conception to eight years and issues related to the growth, health and well-being of children. They examine diverse attitudes, values and beliefs about childhood and the care of children, the nature of contemporary families and the changing roles of children in a contemporary consumer society.

COURSE CONTENT
There are three areas of study.
- The nature of childhood and the socialisation and development of children
- Children in wider society
- Children, rights and safety

ASSESSMENT
Practical 50%
Group work 20%
Investigative Study 30%

COURSE DESCRIPTION
The computing skills gained in this course can be applied to all subjects. In Computing A students gain introductory skills in a range of software including a word processor, a spreadsheets package and brainstorming software. Students work individually and in groups toward a research goal and document their learning in a journal. In Computing B the focus is on software that improves literacy, research skills, thinking and organisational skills.

COURSE CONTENT A
- Establishing research goals
- Create Mind Maps
- Survey design principles
- Produce and interpret graphs
- Collect and analyse data
- Develop presentation skills
- Report findings
- Reflect on learning

COURSE CONTENT B
- Research
- Keyboard
- Report writing
- Translating
- Speed reading
- Speech recognition

ASSESSMENT
Practical 40%
Group Activity 30%
Folio and Discussion 30%
SACE Stage 1

**DESIGN (CREATIVE ARTS)**

A AND B

Arts

SACE Stage 1 10 or 20 credits

**COURSE DESCRIPTION**

Design A

Students develop skills in graphic design. Programs such as Photoshop and Illustrator are used. Students produce a Design Product through using the Design Process which involves idea generation and refinement of ideas.

**COURSE CONTENT**

Design A

Students produce one Design Product and build a folio of investigative, developmental and productive work to support their final product. The focus will be on logo design. The process involves: investigation, research, idea generation, refinement, production.

Students create a folder as a record of the skills they have learnt. Design practitioners are also studied.

Design B

Students develop skills in Eco Sustainable Architecture. They design a product and build models of their work by hand or by laser cutting technology. They use visual images and text to advertise the architectural product. Programs such as Photoshop and Illustrator are used.

**ASSESSMENT**

<table>
<thead>
<tr>
<th>Folio</th>
<th>40%</th>
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<tr>
<td>Product</td>
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**DRAMA (CREATIVE ARTS)**

Arts

SACE Stage 1 20 credits

**COURSE DESCRIPTION**

Drama (Creative Arts) allows students to explore, apply and develop techniques within a performing arts area of their choice. In addition it also provides students with the flexibility to explore other areas that relate to the performing arts such as film direction or screen writing.

**COURSE CONTENT**

The focus of this course is on Drama, exploring and analysing theories, techniques and performance genres to assist students to develop their skills in acting for screen and stage. It also involves focused study of current practitioners and performance to develop an understanding and appreciation for the way that arts contribute to and shape individuals and communities through creativity and expression. Students have the option to incorporate performing arts disciplines outside of acting into their assessment tasks.

**ASSESSMENT**

<table>
<thead>
<tr>
<th>Product</th>
<th>40%</th>
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<tr>
<td>Investigation</td>
<td>40%</td>
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<tr>
<td>Skills Assessment</td>
<td>20%</td>
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</table>
ENGLISH A AND B
English
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course focuses on creating and responding to texts to understand how people use language to make meaning.

COURSE CONTENT
• Creating and responding to a range of texts such as television mini-series, films, short stories, poems, song lyrics and other media texts.
• Exploring the relationship between people including the writer and audience
• Examining the relationship between purpose and the language used to make meaning

ASSESSMENT
Responding to Texts 40%
Creating Texts 40%
Intertextual Study 20%

FURTHER INFORMATION
This course is designed for students from an English speaking background, who wish to explore a range of contemporary texts.

ENGLISH AS AN ADDITIONAL LANGUAGE A AND B
English
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This subject is designed for students for whom English is an additional language to further develop their ability in the use of the English language, with a focus on improving their academic literacy skills. In this subject, students learn how to communicate, understand, analyse and create both oral and written texts. This subject leads to further study in Stage 2 English as an Additional Language (EAL).

COURSE CONTENT
Each semester course includes responses to texts, an interactive study and a language study:
• Responses to texts: one written and one oral response
• Interactive Study: either an interview and written report or a discussion
• Language Study: an oral, written or multimodal study of language in a chosen context

ASSESSMENT
Each assessment type has a minimum weighting of 20%.

FURTHER INFORMATION
This subject is appropriate for students who wish to follow an academic pathway.
Students who have had more than five years of education in English in Australia or overseas, will have their written English assessed by the ESL Coordinator to confirm their eligibility for Stage 1 EAL.
ENGLISH AS AN ADDITIONAL LANGUAGE FOUNDATION A AND B

English
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This subject is designed for students for whom English is an additional language to develop their ability in the use of the English language, with a focus on improving their academic literacy skills. In this subject, students learn how to communicate, understand, analyse and create both oral and written texts. This subject provides an introduction and leads to further study in Stage 1 English as an Additional Language (EAL).

COURSE CONTENT
Each semester course includes:
• Responses to texts: one written and one oral response
• Interactive Study: either an interview and written report or a discussion
• Language Study: an oral, written or multimodal study of language in a chosen context

ASSESSMENT
Each assessment type has a minimum weighting of 20%.

FURTHER INFORMATION
This subject is appropriate for students who wish to follow an academic pathway.

ENGLISH (LITERARY STUDIES) A AND B

English
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course provides a detailed study of literary texts. This focus enables students to refine their understanding of the effects of language, conventions and the creative process.

COURSE CONTENT
• Exploring a range of ideas
• Exploring the way authors compose texts
• Experimenting with language
• Exploring new types of texts including novels, plays and poetry
• Identifying and interpreting texts and drawing connections between them
• Developing an academic and objective point of view

ASSESSMENT
Responding to Texts  40%
Creating Texts  40%
Intertextual Study  20%

FURTHER INFORMATION
This course is designed for students from an English speaking background with a strong interest in literature.
ESSENTIAL ENGLISH A AND B
English
SACE Stage 1  10 or 20 credits

COURSE DESCRIPTION
This course builds on communication skills. These skills will help you effectively participate in the workplace and community.

COURSE CONTENT
• Building communication skills
• Building confidence in speaking via phone calls, roundtable discussions, interviews and forums
• Letter writing including cover letters, letters of complaint and letters to the editor
• Understanding everyday texts such as adverts, newspaper articles
• Building technical language relevant to workplace or interest
• Instructional texts – ‘how to…’

ASSESSMENT
Responding to Texts  50%
Creating Texts  50%

FURTHER INFORMATION
This course is designed for students from an English speaking background, who want to gain communication skills for the workplace.

ESSENTIAL MATHEMATICS A AND B
Mathematics
SACE Stage 1  10 or 20 credits

COURSE DESCRIPTION
Essential Mathematics A will allow students to develop their mathematical skills for solving problems in everyday and workplace contexts.

Essential Mathematics B will extend students general mathematical skills and give them foundation skills to apply in further studies in Essential Mathematics Stage 2.

COURSE CONTENT
Essential Mathematics A
• Calculations, Time and Ratio
• Measurement
• Earning and Spending

Essential Mathematics B
• Geometry
• Data in Context
• Investing

ASSESSMENT
Skills and Applications tasks  60%
Folio tasks  40%

FURTHER INFORMATION
Students who wish to do Essential Mathematics at Stage 2 should do both Essential Mathematics A and B at Stage 1.
FITNESS FOR WOMEN A AND B
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course includes practical activities and theory related to fitness, health and lifestyle. It is especially suited to students wanting to develop their personal fitness and understand how their diet and lifestyle may influence their overall health and wellbeing.

COURSE CONTENT
Practical Topics
Practical activities are recreation and fitness focused and include: weight training, circuit training, dancing, badminton and other recreational activities of interest to the class group.

Folio Topics
• Principles/Methods to develop fitness
• The role of key nutrients
• Diet and Health

ASSESSMENT
Practical 60%
Group Activity 20%
Folio and Discussion 20%

FOOD AND HOSPITALITY A AND B
Health and Physical Education
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students develop an understanding of the dynamic food and hospitality industry through developing skills in the use of technology and following safe work practices to prepare, store and handle food. They investigate and explore concepts associated with food production, trends in food and hospitality and healthy eating practices.

COURSE CONTENT
Students study topics within the following areas of study:
• Food, the Individual and the Family
• Local and Global Issues in Food and Hospitality
• Trends in Food and Culture
• Food and Safety
• Food and Hospitality Industry

ASSESSMENT
Practical work 50%
Group work 25%
Issues Investigation 25%
FOOD AND THE COMMUNITY
A AND B
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students choose their own area of interest in the field of food and work individually, or in a team, to develop their capabilities for personal development, learning, communication and work by working in the community. The community can be the school or the wider community.

COURSE CONTENT
Students decide on their own community activity either individually or in a group and chosen topics may include:
- Nutrition
- Food preparation and presentation
- Catering
- The dietary needs of particular groups
- Food hygiene
- Or any other food related topic that interests the student or group of students.

An individual or group contract of work is written or recorded and then the community activity is carried out. At the end of the community activity, feedback from the community is given and the students then write or record information which reflects on their learning.

ASSESSMENT
- Contract of work 25%
- Folio 50%
- Reflection 25%

GENERAL MATHEMATICS
A AND B
Mathematics
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students extend their mathematical skills in ways that apply to practical problem solving and mathematical modelling in everyday contexts. In this subject there is an emphasis on consolidating students’ computational and algebraic skills and expanding their ability to reason and analyse mathematically.

COURSE CONTENT
General Mathematics A
- Measurement
- Investing and Borrowing
- Statistical Investigation

General Mathematics B
- Applications of Trigonometry
- Linear and Exponential Functions and Graphs
- Matrices and Networks

ASSESSMENT
- Skills and Applications tasks 75%
- Folio tasks 25%

FURTHER INFORMATION
Students who wish to do Stage 2 General Mathematics should do both General Mathematics A and B at stage 1.
GEOGRAPHY
Humanities and Social Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
The study of Geography deals with diverse environmental phenomena and human activities including natural hazards, landforms, tourism, economic development, agriculture and urban planning.

COURSE CONTENT
There are four key themes:

Location and Distribution
The development of geographical abilities in relation to local, national, and global patterns and interconnections. Use of spatial technology is a critical component.

Natural Environments at Risk
Involves an understanding of the four spheres of the natural environment (atmosphere, biosphere, hydrosphere and lithosphere) and how each of these is at risk from human activities.

People, Resources, and Development
The interplay of culture, economics, politics and other social considerations is critical to this theme.

Issues for Geographers
Involves an exploration of the geographical nature of some of the issues facing societies.

ASSESSMENT
Skills and Applications tasks 30%
Inquiry 25%
Fieldwork 20%
Investigation 25%

GEOLOGY A AND B
Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
In Geology students learn about one of Australia’s largest industries. Geology explores the sciences of the Earth and involves a camp, field trips and practical experiences. Geology is part of the GeoFutures Education program, a partnership between Thebarton Senior College and members of the mining and gas/oil exploration industry. Geology also involves extensive use of mobile technology including iPads.

COURSE CONTENT
GEOLOGY A
• Geological Time Scale
• Plate Tectonics
• The Rock Cycle
• Minerals
• Volcanoes
• Mining

GEOLOGY B
• Our Place in Space
• Plate Tectonics and Rock Cycle (accelerated)
• Structural Geology
• Earthquakes
• Oil and Gas
• Energy Sources
• Issues in Geology

ASSESSMENT
Investigations Folio 75%
Field Investigation
Issues Investigation
Practical Investigation
Skills and Applications tasks 25%

FURTHER INFORMATION
Geology A includes a compulsory camp in semester 1. Both Geology A and B include compulsory field trips and excursions involving walking and physical activity.
HEALTH SCIENCE A AND B
Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
The course is designed for students who want to improve their general scientific knowledge, skills and writing techniques.

COURSE CONTENT
HEALTH SCIENCE A
• Digestive System
• Nutrients required for health
• Measuring macronutrients on Foods
• Circulatory System
• Respiratory System
• Weight bearing
• Cardiovascular System

HEALTH SCIENCE B
• Muscular System
• Skeletal System
• Genetic Disorders
• Cancer
• Cell structure
• Nervous System
• Mental Health – Stress /Alzheimers

ASSESSMENT
Written and oral assignments, topic tests and practical work.

Skills and Applications tasks 50%
Folio 50%

HISTORY
Humanities and Social Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
History involves the investigation of human experience over time. By studying past events, actions and phenomena, students gain an insight into human nature and the ways in which individuals and societies function. History builds understanding through the investigation of historical concepts and ideas such as change and continuity; historical empathy; power and its distribution; the causes and resolution of conflicts; rules and rulers.

COURSE CONTENT
The course involves developing the skills of historical inquiry and two historical studies. The historical studies will be selected, in negotiation with the students, from the following topics:
• Medieval Europe
• First World War
• Second World War
• Vietnam War
• Movements of the 20th Century
  (Women’s, Environmental, Union etc.)

Students are expected to complete a negotiated study.

ASSESSMENT
Folio 40%
Sources Analysis 20%
Investigation 40%
SACE Stage 1

HUMANITIES A AND B
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course involves developing the skills of inquiry and literacy in a humanities context.

COURSE CONTENT
In negotiation with the students, the topics studied will be selected from the following areas:
- Understanding diverse cultures and values
- Social and environmental sustainability
- Political, economic and legal aspects of community life
- Understanding Indigenous histories and cultures

ASSESSMENT
Practical 25%
Group Activity 25%
Folio and Discussion 50%

INFORMATION PROCESSING AND PUBLISHING – BUSINESS
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Information Processing and Publishing focuses on the application of practical skills to provide creative solutions to business text-based communication tasks. Business Publishing combines the use of software and hardware with the elements and principles of design and an understanding of the processes and procedures involved in using information to produce business publications.

COURSE CONTENT
- Business Publishing
- Business letters
- Business reports
- Agendas
- Minutes of meetings
- Menus
- Advertisements
- Itineraries
- Business forms

ASSESSMENT
Practical Skills 50%
Product and Documentation 30%
Issues Analysis 20%
### INFORMATION PROCESSING AND PUBLISHING – PERSONAL

**Business, Enterprise and Technology**

**SACE Stage 1** 10 credits

**COURSE DESCRIPTION**

Information Processing and Publishing focuses on the application of practical skills to provide creative solutions to personal text-based communication tasks. Students create both hard copy and electronic text-based publications and evaluate the development process.

**COURSE CONTENT**

- Personal Publishing
- Data Input
- Keyboarding
- Personal Letters
- Margin Headings
- Displays
- Tables
- Menu displays

**ASSESSMENT**

- Practical Skills 50%
- Product and Documentation 30%
- Issues Analysis 20%

### INTEGRATED LEARNING NUMERACY

**Cross-disciplinary**

**SACE Stage 1** 10 credits

**COURSE DESCRIPTION**

This course develops foundation numeracy skills for students in order to sit the Adult Numeracy Test. Successful completion of the Adult Numeracy Test will satisfy the SACE Numeracy component.

**COURSE CONTENT**

**Number and Operations**

- Place value
- Multiplication, addition, subtraction and division
- Fractions, decimals, ratio and percentages

**Measurement**

- Units of measurement
- Measurement skills
- Investigating measurement

**Financial Numeracy**

- Calculating wages
- Loans and interest

**ASSESSMENT**

- Practical Activity 20%
- Group Activity 1 20%
- Group Activity 2 20%
- Folio and Discussion 40%
INTRODUCTION TO TRADES A AND B
Cross-disciplinary
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course provides students with a solid preparation for further studies in Design and Technology and vocational courses in Building and Construction and Metal Trades.

COURSE CONTENT
Students learn about workplace health and safety in trades areas.
They develop practical, writing and mathematical skills to prepare them to undertake practical tasks in:
- Woodwork
- Metals
- Building
- Reading plans
Students work independently and prepare and record data and procedures.

ASSESSMENT
Practical 50%
Group Activity 20%
Folio and Discussion 30%

LEGAL STUDIES
Humanities and Social Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
The study of Legal Studies provides insight into law-making and the process of dispute resolution and administration of justice. Students evaluate the merits of the adversary system of trial and other forms of dispute resolution systems and processes. In addition, students investigate legal perspectives on contemporary issues in society.
Students examine the Australian legal system. They read and write about, discuss, analyse and debate issues. They use a variety of methods to investigate legal issues, including observing the law in action in courts through various media.

COURSE CONTENT
- Law and Society
- People, Structures and Processes
- Law Making

ASSESSMENT
Folio 50%
Issues Study 25%
Presentation 25%
MATHEMATICAL METHODS
A, B AND C
Mathematics
SACE Stage 1 10, 20 or 30 credits

COURSE DESCRIPTION
Mathematical Methods is organized into topics that broaden students' mathematical experience, and provide a variety of contexts for incorporating mathematical arguments and problem solving.

COURSE CONTENT
Mathematical Methods A
• Functions and Graphs
• Polynomials
• Growth and Decay

Mathematical Methods B
• Matrices
• Trigonometry
• Counting and Statistics
• Growth and Decay

Mathematical Methods C
• Arithmetic and Geometric Sequences and Series
• Introduction to Differential Calculus
• Geometry

ASSESSMENT
Skills and Applications tasks 75%
Folio tasks 25%

FURTHER INFORMATION
The Study of Stage 1 Mathematical Methods A, B and C is assumed for all students wishing to study Stage 2 Mathematical Methods. Students wishing to undertake Stage 2 Specialist Mathematics must complete Stage 1 Mathematical Methods A, B and C as well as Stage 1 Specialist Mathematics.

METAL MACHINING
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Metal Machining is a skilled process that uses a range of workshop tools and equipment to research, plan, create and develop metal-based products. Students use a range of hand tools and workshop equipment including drilling machines, milling machines and metal turning lathes to manufacture a range of small components to be assembled for a project. Students also research the impacts of technology on people, society and the environment.

COURSE CONTENT
The practical aspects of the course are underpinned with theoretical knowledge about metal machining processes and materials which include various steel, brass and aluminum sections, such as round, flat and hexagonal bar stock. There is a strong emphasis on industrial and workshop safety and a focus on employability skills.

ASSESSMENT
Skills and Applications tasks 20%
Folio 20%
Product 60%

FURTHER INFORMATION
This course is valuable preparation for further workshop based courses at Stage 1 and 2 level as well as VET programs.
PERSONAL LEARNING PLAN
Cross-disciplinary
SACE Stage 1 10 credits

COURSE DESCRIPTION
Students have an opportunity to explore the five Capabilities of Learning, Communication, Personal Development, Work and Citizenship.

COURSE CONTENT
Capabilities
• Write a short autobiography
• Development of capabilities

Goal Setting
• Use the SMART template to set goals
• Develop short term and long term goals

Planning Future Pathways
• Complete an on-line career quiz
• Collect career and job information, for example, Career Expo
• Research further study and training pathways
• Complete subject selections for the next semester

Presenting the Plan
Deliver a short presentation, supported by media such as PowerPoint and the resources collected. Outline plans for further study and training.

ASSESSMENT
Folio 75%
Reflection 25%

FURTHER INFORMATION
The PLP is a compulsory component of the SACE and it must be passed at C grade or better to count as 10 credits.

PHOTOGRAPHY
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course introduces students to photography, post processing, and the literacy and assessment skills required to be successful in Stage 2 Photography.

COURSE CONTENT
Students develop skills in camera handling, composition, exposure and post processing in Photoshop. Students undertake practical skills tasks, and produce a major product. The folio includes developing a design brief with guidance from the teacher.

ASSESSMENT
Skills and Applications tasks 20%
Folio 30%
Product 50%
**PHYSICS A AND B**
**Sciences**
**SACE Stage 1**  10 or 20 credits

**COURSE DESCRIPTION**
The course is designed as an introduction to Physics. It enables students to understand and appreciate the world around them. The focus is on concepts and experimental methods used to understand what happens in the physical world.

**COURSE CONTENT**
**Physics A**
- Waves and their properties
- Light and sound
- Static and current electricity
- Electricity in the home

**Physics B**
- Kinematics – the study of motion of objects
- Dynamics – the study of the interaction of objects
- Newton’s laws of motion
- Conservation Laws
- Relativity

**ASSESSMENT**
Written assignments, topic tests and practical work including the testing of hypotheses.

| Skills and Applications tasks | 60% |
| Folio | 40% |

**FURTHER INFORMATION**
It is strongly advised that students wishing to study Stage 2 Physics complete both Physics A and Physics B.

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**PSYCHOLOGY A AND B**
**Sciences**
**SACE Stage 1**  10 or 20 credits

**COURSE DESCRIPTION**
This course is an introduction to the study of Psychology showing how it relates to our social world. Psychology builds on the scientific method by involving students in the collection and analysis of qualitative and quantitative data. It enables students to understand their own behaviours and the behaviours of others.

**COURSE CONTENT**
**Psychology A**
- Introduction to Psychology - a required background in the principles of research, the profession and ethics.
- Social Influence - a study of films and experiments, persuasion and aggression.
- Emotions - a study of the way people express their emotions and the causes of behaviour.

**Psychology B**
- Introduction to Psychology - a required background in the principles of research, some basic statistics, the profession and ethics.
- Biological Basis of Behaviour - functions of the human brain and how the brain is studied.
- Human Personal Development.

**ASSESSMENT**

| Skills and Applications tasks | 50% |
| Folio | 40% |
| Group work | 10% |
SACE Stage 1

RECREATION AND FITNESS
Health and Physical Education
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course includes practical activities relating to fitness and sports activities, as well as a study of topical issues relating to fitness, health and sport. It is especially suited to students wanting to develop their personal fitness and particular sports abilities and those intending to proceed to Stage 2 Physical Education.

COURSE CONTENT
Practical Topics
• Cardio and weight training program
• Basketball, volleyball, badminton, soccer, and fitness conditioning
• Other recreational activities of interest to the class group

Folio Topics
• Methods to develop fitness
• Components of a healthy lifestyle
• How we learn sports skills
• Investigation of a sporting issue of personal interest

ASSESSMENT
Practical activities 60%
Folio tasks 40%

SCIENCE PATHWAYS A AND B
Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Science Pathways A provides students with the skills required for SACE Stage 1 Physics, Chemistry and Psychology.
Science Pathways B provides students with the skills required for SACE Stage 1 Biology, Geology and Nutrition.

COURSE CONTENT
Each semester will focus on different aspects of science in which the following will be covered:
• Explaining scientific phenomena
• Reading and understanding scientific text
• Planning and investigation
• Conducting research
• Collating, representing and analysing data
• Evaluating scientific investigations
• Presenting findings

ASSESSMENT
Assessment will include a variety of tasks that cover students’ understanding and the skills acquired. Individual and collaborative tasks will be assessed.

Folio 50%
Skills and Applications tasks 50%
SOCIETY AND CULTURE A AND B
Humanities and Social Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students study the interactions of people, societies, cultures and environments. They learn about the ways in which societies constantly change and are affected by social, political, historical, environmental, economic and cultural factors. Students develop the ability to influence their own future by acquiring skills, values and understanding that enable them to participate effectively in contemporary society.

COURSE CONTENT
Students study two of the following topics. Selection of topics negotiated with the class:
- Cultural diversity
- Social issues
- Popular culture
- Sub-cultures
- Lifestyle diversity
- Social change
- Land and culture

ASSESSMENT
Sources Analysis 50%
Group Activity 25%
Investigation 25%

SPECIALIST MATHEMATICS
Mathematics
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course is intended to provide prerequisite knowledge for students wishing to undertake Stage 2 Specialist Mathematics.

COURSE CONTENT
- Trigonometry
- Vectors in the Plane
- Matrices
- Real and Complex Numbers

ASSESSMENT
Skills and Applications tasks 80%
Folio tasks 20%

FURTHER INFORMATION
Students wishing to undertake Stage 2 Specialist Mathematics must first complete Stage 1 Mathematical Methods A, B and C as well as Stage 1 Specialist Mathematics.
SACE Stage 1

STEM (SCIENTIFIC STUDIES) A AND B
Science
SACE Stage 1  20 credits

COURSE DESCRIPTION
STEM is a project based, highly practical subject that incorporates aspects of Science, Mathematics, Engineering and Technology. Students complete various challenges through the Concept 2 Creation Program and learn concepts and practical skills to prepare them for careers in STEM.

COURSE CONTENT
STEM A
Students complete a challenge by designing, developing and engineering a water craft to test water quality of Adelaide wetlands. Students learn about the environmental science concepts linked to this as well as the physics and mathematical based applications of this.

STEM B
Students complete a concept to creation challenge to be chosen in 2016 by designing, developing and engineering a project. Students develop their knowledge of physics, mathematics, technology and general science in the process.

ASSESSMENT
Skills and Applications tasks  50%
Practical Investigation  25%
Issues Investigation  25%

FURTHER INFORMATION
This course may involve students to commit to meetings and sessions outside of school time. It is important that students commit 100% to their team.

STOP MOTION ANIMATION A AND B
Arts
SACE Stage 1  10 or 20 credits

STOP MOTION ANIMATION A COURSE DESCRIPTION
Students design and develop products of StopMotion Animation.
They use both ready made objects and characters as well as hand made characters.
They begin with animation exercises using iStopMotion software, iMovie, Photography and traditional stop motion techniques.
Students keep records of the processes and outcomes and reflect on them.
They produce an animation of their own design as a final product.

STOP MOTION ANIMATION B COURSE DESCRIPTION
StopMotion Animation B has an emphasis on character designing/making, story telling and producing a product in the form of an imaginative animation. The process of work is recorded.
In both courses a study and analysis of animators’ works is required. The course includes skills practice to support the production process.

ASSESSMENT
Product  50%
Folio  50%
TEXTILES A AND B  
Cross-disciplinary  
SACE Stage 1  
10 or 20 credits

COURSE DESCRIPTION
The course looks at textiles and how they are used in the community. The class develops community activities as a group as well as each student undertaking their own community activity. Students are able to further develop their skills in sewing, computer embroidery design and machining and the sewing and using of textiles in a variety of garments and articles.

COURSE CONTENT
Students select their own community activity which could include:
- Garment construction – clothing for adults, children or babies
- Accessories for fashion – eg scarves, bags
- Household items – quilts, cushions, throw rugs
- Using woven or stretch textiles in a variety of ways
- Creative use of textiles including knitting and crochet

ASSESSMENT
Practical Community Activity
  Contract of Work
  Folio
  Reflection

TRADE COMMUNICATIONS  
English  
SACE Stage 1  
20 credits

COURSE DESCRIPTION
This course builds on communication skills. These skills will help you effectively participate in the workplace and community.

COURSE CONTENT
- Building communication skills
- Building confidence in speaking via phone calls, roundtable discussions, interviews and forums
- Understanding everyday texts such as manuals, warranties and newspaper articles
- Building technical language relevant to workplace
- Creating instructional texts

ASSESSMENT
  Responding to Texts  50%
  Creating Texts  50%

FURTHER INFORMATION
This course is designed for students who want to gain communication skills for the workplace.
TRADE MATHEMATICS
Mathematics
SACE Stage 1 10 credits

COURSE DESCRIPTION
Trade Maths focuses on the mathematics involved in the trades. Students have the opportunity to work out the capacity of shapes and discuss the measurements involved in plans and explore how Building and Construction and Metal Engineering is based around specific mathematical concepts.

COURSE CONTENT
Topics covered include:
• Geometry and measurement
• Scale diagrams
• Earning and Spending
• Quoting jobs

ASSESSMENT
Skills and Applications tasks 60%
Folio 40%

FURTHER INFORMATION
This course is only available for students undertaking the construction certificate.

TRADE SCIENCE
Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
Students learn about the properties of metals and the physics behind the stability of structures and have the opportunity to engage with the science behind trades. Students discuss how Building and Construction and Metal Engineering are impacted by scientific enquiry while exploring a range of relevant issues, new ideas and technologies.

COURSE CONTENT
Topics covered include:
• Chemistry and trades
• Physics and trades
• Environmental Science and trades

ASSESSMENT
Skills & Applications 40%
Folio 60%

FURTHER INFORMATION
This course is only available for students undertaking the construction certificate.
VIDEO PRODUCTION
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course introduces students to the hardware, software, literacy and assessment skills required in Video Production.

COURSE CONTENT
Students develop skills in camera handling, movement, composition, light, audio capture, team work and mixing and editing in Adobe Premiere. Students undertake skills tasks, and a major production of a short film or advertisement. In their major production they develop a brief with guidance from the teacher.

ASSESSMENT
Skills and Applications tasks 20%
Folio 30%
Product 50%

VOLLEYBALL
Cross-disciplinary
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course focuses on developing skills, knowledge and understanding relating to the sport of volleyball - as it is played locally, nationally and internationally.

COURSE CONTENT
Practical Topics
- Skill development - serving, passing, attacking, blocking
- Team play - attack and defence positioning
- Refereeing - rules and signals
- Basic coaching skills

Folio Topics
- How we learn skills
- Role of volleyball as a social/competitive sport
- Diary of personal progress
- Communication - relating to others; performance analysis

ASSESSMENT
One assessment task is required for each of the following:
- Practical achievement
  game skills and performance 25%
  Refereeing and coaching skills 25%
  Group Activity – students plan and administer a competition 25%
- Folio and discussion – students record of evidence of their learning 25%
SACE Stage 1

WELDING
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Metal Welding is a highly skilled process that is used in the manufacture of products ranging from home appliances through to bridges and high rise buildings. In this course students learn to use a range of workshop tools including cutting and measuring and marking out tools. Students also learn to use a range of power tools and machinery. Workshop welding processes include Oxy-acetylene welding (OAW), Resistance welding (Spot), MMAW (Arc) and GMAW (Mig). Students also use workshop tools and equipment to develop a range of skills and knowledge of materials and processes and apply these to the manufacture of a mechanic’s mobile workshop stool.

COURSE CONTENT
The practical aspects of the course are underpinned with theoretical knowledge about metal machining processes and materials which includes various steel, brass and aluminium sections, such as round, flat and hexagonal bar stock. There is a strong emphasis on industrial and workshop safety and a focus on employability skills.

ASSESSMENT
Skills and Applications tasks 20%
Folio 20%
Product 60%

FURTHER INFORMATION
This course is valuable preparation for further workshop based courses at Stage 1 and 2 level as well as VET programs. Some previous experience in workshop based studies would be useful.

WOMEN'S STUDIES A AND B
Humanities and Social Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This subject focuses on women's achievements both in Australia and internationally. Students have opportunity to research areas or issues that interest them and that affect women's empowerment for the future. Students look at women's rights and roles in various societies and how these affect their choices. Women's Studies is an interactive subject where students learn from each other through discussions, as well as written, visual texts and guest speakers. There are no prerequisites for Women's Studies A or B. Stage 1 Women's Studies builds research and analytical skills useful for future Stage 2 Humanities subjects.

COURSE CONTENT
• Gender Analysis Framework: Women, Gender and Social Identity
• Representations of Women in Cultural Texts
• Key Issues in Women's Studies (one issue study)

ASSESSMENT
Text Analysis 40%
Group Presentation 30%
Issues Analysis 30%
WOODWORK A AND B
Business, Enterprise and Technology
SACE Stage 1    10 or 20 credits

COURSE DESCRIPTION
Students investigate, design and create products from solid timber and manufactured boards. Students analyse the impact of making these products on society and the environment.

COURSE CONTENT
There is a strong emphasis on workshop safety. Students use hand tools, hand held power tools, and stationary machines to make a variety of products. A number of different woodworking joints, and techniques are investigated. Skills tasks involve critiquing raw material types (i.e. solid timber vs. manufactured boards), and making a small set piece of furniture. These two tasks are designed to provide the student with the skills and knowledge to undertake the folio task, which is to research and design a piece of furniture. The construction task involves making the item designed in the folio task. In woodwork A the product is a small table, in woodwork B a small cabinet.

ASSESSMENT
Skills and Applications tasks  20%
Folio     30%
Product  50%

FURTHER INFORMATION
Safety glasses, ear muffs, dust masks and aprons are supplied when needed. It is necessary for students to wear sturdy shoes at all times in the workshop.

WORKPLACE PRACTICES A AND B
Business, Enterprise and Technology
SACE Stage 1    10 or 20 credits

COURSE DESCRIPTION
Students develop knowledge, skills and understanding of the nature, type and structure of the workplace. Students can undertake learning in the workplace and develop their capabilities, interests and aspirations.

COURSE CONTENT
Focus areas of study:
• Industry and Work Knowledge
• Vocational Learning
• Vocational Education and Training (VET)
Two topics will be selected from:
• Future Trends in the World of Work
• The Value of Unpaid Work to Society
• Workers Rights and Responsibilities
• Career Planning
• Negotiated Topics.

ASSESSMENT
Folio          40%
Performance   30%
Reflection    30%