

YEAR 12 – SACE Stage 2 Subjects for 2018

To achieve the SACE (South Australian Certificate of Education) students will need to:

- Complete the Research Project at a C grade or better
- Achieve a C grade or better in a minimum of 3 Stage 2 (20 credit subjects) and have a total of 200 credits across all areas of the SACE
- Completed in Year 11, the compulsory requirements of Stage 1 at a C grade or better

To gain an ATAR (Australian Tertiary Admissions Rank) students will need to:

- Complete a minimum of 90 credits at C grade or better
- This 90 credits must include 10 credits of Research Project

COMPULSORY YEAR 12 SUBJECTS

Research Project

Course Length: 1 semester (10 Credits)

ALL students must complete the 10-credit Research Project at Stage 2 of the SACE, with a C- grade or better.

Contact Person: David Osborn

Content

Students will:

- Choose a topic of interest and develop a research question
- Learn and apply research processes and the knowledge and skills specific to their research topic
- Record their research and evaluate what they have learnt

The term research is used broadly and may include practical or technical investigations, formal research, or exploratory enquiries.

Students are expected to:

- Work independently and with others to initiate an idea, and to plan and manage a research project
- Demonstrate the learning capability and 1 other chosen capability
- Analyse information and explore ideas to develop their research
- Develop and apply specific knowledge and skills
- Communicate and evaluate their research outcome
- Evaluate the research processes used and their chosen capability

Assessment

Research Project A

Folio (30%)

Research Outcome (40%)

- Must be a maximum of 1500 words if written or a maximum of 10 minutes for an oral presentation, or the equivalent in multimodal form.

Review (external assessment - 30%)

- 150 word summary and a 1500 word review

Research Project B

Folio (30%)

Research Outcome (40%)

- A maximum of 2000 words if written or a maximum of 12 minutes for an oral presentation, or the equivalent in multimodal form.

Evaluation (30%)

- 150 word summary and a 1500 word review

Note:

1. Research Project A can now contribute to an ATAR (Australian Tertiary Admission Rank).
2. However we strongly advise that Research Project B be undertaken for those students definitely on a University pathway.

STAGE 2 CHOICE SUBJECTS

ARTS

Creative Arts – Design, Digital Media, Art, Craft & Photography focus

Course Length: 2 semesters (20 credits)

Recommendation: **Satisfactory** completion of a Stage 1 Creative Arts: Digital Media or Graphic Design or Year 10 Photography (see below for individual foci advantages)

Contact Person: Catherine Bourn

Content

Students negotiate and participate in the presentation of finished Creative Arts products from across the range of arts disciplines.

This course has been designed to cater for differing interests across the arts and products may take the form of:

- fashion design (design and/or construction of fashion items including clothing, footwear etc) (*Child Studies / textiles experience an advantage but not a prerequisite*)
- make up design / special effects makeup etc (*some Drama experience an advantage*)
- set design / props for theatre or film (*some Drama experience an advantage*)
- film / video: documentary, narrative (storytelling), music video clips, local tourism, community events (*Creative Arts: Digital Media experience an advantage*)
- environmental design (architecture, interior design, landscape design etc.)
- product design (packaging design, furniture design etc) (*Visual Arts: Design / CAD / Woodwork experience an advantage*)
- craft projects (*Child Studies / textiles experience an advantage but not a prerequisite*)
- photographic displays (*DSLR experience an advantage*)
- artworks, public art, installations (*Visual Art experience an advantage*)
- graphic novels, comic strips (for print or digital) (*Creative Arts: Digital Media experience an advantage*)
- illustrated children's books (for print or digital) (*Visual Art or Creative Arts: Digital Media experience an advantage*)
- digital music mixing (Sibelius, Mixcraft etc) (*Music experience an advantage*)
- advertising campaigns (tv, print, web etc) (*Creative Arts: Graphic Design experience an advantage*)
- graphic design (logos, letterheads, business cards, promotional products etc) (*Creative Arts: Graphic Design experience an advantage*)

- gaming production (3D, 2D, PC, android, iOS etc.) (*Creative Arts: Digital Media experience an advantage*)
- animation (digital, stop motion and Claymation) (*Creative Arts: Digital Media experience an advantage*)
- websites (for business, personal, virtual art galleries, museums etc.) (*Creative Arts: Digital Media experience an advantage*)

Assessment

School Assessment

Products (50%) - 2 products at 25% each

Investigation (20%) – 1 investigation at 20% (or two investigations at 10% each if required)

External Assessment

Practical Skills Folio (30%)

Creative Arts – Drama Focus

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of a Stage 1 Creative Arts: Digital Media or another Stage 1 Arts subject or as recommended by an Arts teacher.

Contact Person: Ian Benjafield / Algis Laurinaitis

Content

This course has been designed to cater for differing student interests. Students negotiate and participate in the presentation of finished Drama based products that could include:

- promotional packages or advertisements
- digital products: DVD, web based - podcasts, vodcasts
- presentations for community screenings / performances
- scripts for radio, stage or film
- Backstage: set design and building
- Makeup for stage
- Costume: design and creation
- Props and set dressing: design and production
- Lighting: design and application
- Sound: design and Application
- Directing: making a vision live

Assessment

School Assessment

Products (50%) - 2 products at 25% each

Investigation (20%) - 2 investigations at 10% each or one investigation at 20%

External Assessment

Participation in performance (30%)

Creative Arts – Music Focus

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of a Stage 1 Creative Arts - Music or Stage 1 Music or as recommended by Visual Arts Staff.

Contact Person: Catherine Bourn / Algis Laurinaitis

Content

This course has been designed to cater for differing student interests. Students negotiate and participate in the presentation of finished Music based products that could include:

- advertising jingles or soundtracks for film composition
- concerts and / or performances for entry in local and national festivals
- entertainment programs for targeted audiences
- film / video: music video clips, educational DVDs
- song writing
- Music technology eg. sound recording / engineering
- presentations for community screenings / performances
- sound editing projects

Assessment

School Assessment

Products (50%) - 2 products at 25% each
Investigation (20%) - 2 investigations at 10% each or one investigation at 20%

External Assessment

Practical Skills Folio (30%)

Drama

Note: Will not be available in 2018. However students can elect to pursue their interest in Drama through Creative Arts: Drama.

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of at least one semester Year 11 Drama or as recommended by a Drama teacher.

Contact Person: Ian Benjafield / Algis Laurinaitis

Content

The study of Drama aims to develop skills in writing, acting and directing drama as well as to foster an appreciation of Drama.

Drama is divided into four areas of study:

- Group Analysis and Creative Interpretation

- Review and Reflection (attendance at some live Theatrical performances may be required)
- Interpretative Study
- Presentation of Dramatic Works

Note: Group work is a major part of the course. Therefore students are required to work as part of a group and to take individual responsibility for their part in a group production.

Assessment

The subject is assessed through

Group Presentation (20%)

Folio (30%)

Interpretative Study (20%)

Performance (Externally Moderated – 30%)

Music

Course Length: 2 semesters (20 credits)

Students may opt to choose 40 credits with approval from the SACE Coordinator

Recommendation: A pass in Stage 1 Music, and / or a minimum of three years instrumental studies with a teacher. Students must seek advice from Music staff to ensure suitability and appropriate choice of units.

Contact Person: Algis Laurinaitis

Content

Students select two (10 credits) units from the following options:

- Ensemble Performance
- Musicianship
- Music Individual Study
- Music Technology
- Performance Special Study
- Solo Performance

Note: not all units will be available in 2018

Assessment

School Assessment (70%)

External Assessment (30%)

Note: Assessment tasks vary according to the units undertaken.

Visual Art

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of a Stage 1 Visual Arts subject or as recommended by Visual Arts Staff.

Contact Person: Catherine Bourn

Content

Area of Study 1: Visual Thinking (Folio)

Students record their inspirations, influences and ideas. The teacher helps students develop a personal visual aesthetic through exposure to many forms and ideas in the visual arts.

Students demonstrate the use of a variety of media and techniques as they develop and refine their ideas, working towards a resolved work of art. This means using drawings, sketches and media experiments, accompanied by written annotations to document the thinking.

Area of Study 2: Practical Resolution (The Practical including a Practitioner's Statement)

Finished art works could take the form of a painting or drawing but could also include more diverse products such as video, installation, assemblage, digital imaging, mixed media, printmaking, photography, sculpture, ceramics, or textiles. Students provide an explanation of their intended meaning and evaluation of their own work through a Practitioner's Statement.

Area of Study 3: Visual Study

Students develop an idea for a visual study that:

- answers a question about a practical application
- explores and / or experiments with concepts, ideas, media, materials, techniques and / or technologies
- supports or refutes a visual arts in practice statement

Assessment

School Assessment

Folio (40%)

Practical (30%)

External Assessment

Visual Study (30%) - Students submit no more than 20 A3 pages (or equivalent) of visual study, integrated with a maximum of 2000 words of written text.

Community Studies – Arts and the Community

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of a Stage 1 or Year 10 Arts Subject.

Note: This subject counts towards SACE completion but not an ATAR (for Stage 2 students wanting to go to University).

Contact Person: Catherine Bourn / Algis Laurinaitis

Content

This subject allows students to make decisions about what they are going to learn; the skills they wish to develop and how they will organise their learning.

For example:

- investigating an aspect of fashion
- photography portfolio
- T-Shirt designs
- produce a short film
- forming a band
- organising a performance
- organising an art exhibition
- creating a public art installation

Students will:

- choose a topic of interest in consultation with the teacher
- write a contract of work, making decisions about the learning and the steps required to complete their learning / skills tasks
- set challenging but achievable goals
- learn new skills, document their learning and seek guidance and feedback from the teacher
- access the community to research and / or complete their learning / skills / investigation tasks
- have the option of documenting activities that they are already doing
- reflect on the processes undertaken, learning and skills developed

Assessment

Contract of work (70%) includes:

- Development of contract
- Folio
- Presentation

External Assessment

- Reflections (30%)

DESIGN & TECHNOLOGY

CAD/CAM

[Design]

Course Length: 2 semesters (20 credits)

Recommendation: Successful completion of either Year10 or Stage 1 CAD/CAM is recommended. Those with no experience will be guided through the basics.

Contact Person: Roger Button

Content

Students will develop an understanding of the Technical Drawing practices used in the manufacturing sector. The techniques and methods of drawing conform to the Australian Standards. Set tasks will use two CADD software programs - AutoCAD and Inventor. Students will have the opportunity to use the Rolland computer controlled milling machine and TROTEC laser cutter to make small products designed using the Inventor software.

Assessment

Skills and Application (20%)

- Processes and Skills
 - Series of set skill development exercises using AutoCAD.
 - Series of set skill development exercises using Inventor.
- Material Application – Investigate and analyse the characteristics and properties of two or more materials that could be used in the creation of a product students will design.

Product (50%)

- Students use Inventor software to produce a working model and Orthographic drawings of two products. The first being a minor task from a given design brief and specifications. This is followed by a major task based on a design brief developed by the student. Both products are supported by a product record that documents the making process.

External Assessment

Folio (30%)

The folio is marked externally and contains evidence of the following:

- Product Design
- Impact Study
- Product Evaluation

Community Studies - through the Pedal Prix

Stage 2 subject

Course Length: Full year - often offline (20 credits)

Contact Person: Roger Button / Lynn Charlesworth

Students involved in the schools Pedal Prix teams can gain credit towards their SACE by completing a contract of work of their choice:

- Keeping a **journal** of their involvement in the program over the year
- Completing a **major task** that supports or improves the operation of the Pedal Prix. (To be negotiated with your teacher as part of your contract)
- **Literacy Task** – i.e. students will write and send a letter to a local community business or organisation, requesting sponsorship for the school's Pedal Prix team or thanking an organisation for their sponsorship
- Maintaining contact with the team through email and regular meetings, training and workshops
- Contributing towards fundraising and attending at least 2 of the 3 annual Pedal Prix events
- **A Written Evaluation:** Once the major task has been completed, it must be evaluated through a written evaluation of the outcomes and submitted for assessment. Students may negotiate an aural / audio-visual presentation to be delivered at the awards evening.

The Design & Technology Learning Area, through the Pedal Prix offers students the following areas of study:

- **Arts and the Community**
Students can be involved in vehicle and uniform graphics or promotional signage
- **Communication and the Community**
Students can be involved in the publicity of the Pedal Prix to the school community through regular articles in the school's newsletter and year book. Includes the use of digital photography in the production of publications
- **Foods and the Community**
Students can be involved in the planning and preparation of team meals for the 3 events
- **Health, Recreation and the Community**
Students can be involved in the training of team members for the 3 events
- **Science, Technology and the Community**
Students can be involved in the construction and maintenance of the team's Pedal Prix vehicles
- **Other areas of study may be adapted / negotiated with your teacher.**

Students must find a community mentor or specialist teacher to assist and guide them with their major task(s).

Assessment

- Completed Contract and Folio of work (70%)
 - Planning and Organisation
 - Communication and Interaction
 - Fulfilment of Contract of Work
- Reflection – Externally Assessed by SACE Board (30%)

Material Products – Furniture Construction

Course Length: 2 semesters (20 Credits)

Recommendation: Successful completion of Stage 1 Furniture Construction is encouraged, while those with no experience will be guided through the basics.

Contact Person: Roger Button / Craig Holyhrim

Content

Students experience basic cabinet making skills before designing and constructing their own piece, or pieces of furniture. Students will need to produce a comprehensive folio documenting the design process of their furniture. Their folio includes investigations, sketches, technical drawings, costing and evaluation. Students will learn how to operate a range of woodworking machines and hand tools, including OHS requirements.

Note: School fees cover the basic learning objectives, although additional payments will be required to cover the cost of any additional materials.

Assessment

Skills and Applications Tasks (20%)

- Part 1: Students, in consultation with their teacher, identify an area of learning to develop and demonstrate skills and knowledge of procedures, processes and techniques for their product realisation
- Part 2: Students report on how the characteristics and properties of these materials will affect selection for application to the realisation of the product, process or system.

Product (50%)

Students produce a major and a minor product that must allow them to demonstrate a wide range of skills, techniques and / or processes. Students present both the product and their record of the design and construction processes as evidence of their work.

External Assessment

Folio (30%)

- Part 1: Documentation and Analysis of the Design Process
- Part 2: Evaluation of the Realised Product

Material Products – Metal Technology

Course Length: 2 semesters (20 Credits)

Recommendation: Successful completion of Year 10 Metalwork or Stage 1 Metal Technology is encouraged, while those with no experience will be guided through the basics.

Contact Person: Roger Button

Content

Students will develop skills in the areas of welding and fabrication, combined with fitting and machining. Students will complete a major and minor design task, and will be required to produce a folio of evidence, including investigation, sketches, technical drawing, costing and evaluation.

Assessment

Skills and Application (20%)

- Processes and Skills – a series of set skill development exercises in fitting and machining, and welding and fabrication.
- Material Application – investigate and analyse the characteristics and properties of two or more materials that could be used in the creation of products students will design and produce.

Product (50%)

- Students produce the products they have designed. The first being a minor task from a given design brief and specifications. This is followed by a major task based on a design brief developed by the student. The major project is supported by a product record that documents the making process.

External Assessment

Folio (30%)

The folio is marked externally and contains evidence of the following:

- Product Design
- Impact Study
- Product Evaluation

ENGLISH

English

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of Stage 1 English.

Contact Person: Alex Christodoulou

Content

The course consists of three components:

Creating Texts (40%)

- Students create three texts for different purposes (up to 3000 words total) and an accompanying writer's statement (1000 words or an oral presentation)

Responding to Texts (30%)

- Students undertake three tasks involving study of three of the following text types: novel, film, play, poetry or media. One task is an oral presentation of up to 6 minutes; the two written tasks are to be no more than 2000 words in total.

Comparative Analysis (30%)

- Students complete a 2000 word comparative analysis of two independently chosen texts.

Assessment

Student work is centrally moderated to ensure that standards are comparable.

The Comparative Analysis is assessed externally.

English Literary Studies

Course Length: 2 semesters (20 credits)

Recommendation: Achievement of a B grade or better in Stage 1 English. Successful completion of the Stage 1 Pre-Literary Studies would be an advantage.

Contact Person: Alex Christodoulou

Content

The course consists of three components:

Responding to Texts (50%)

- Students create responses to shared texts of the following types: novel / collection of short stories / graphic novel, film, drama, poetry. These responses will comprise a maximum of 5000 words (for all responses combined) or 4000 words and an oral presentation of up to 6 minutes. One text response must be a critical perspectives task in which students consider one or more of the texts from a

particular critical perspective (for example, analysing the representation of gender in a text).

Creating Texts (20%)

- Students create a transformative text linked to another text, with a writer's statement (1500 words, or 9 minutes, or equivalent in multimodal form) and a written, oral, or multimodal text (1000 words, or 6 minutes, or equivalent in multimodal form).

Text Study (30%)

- Students complete two parts for this externally assessed component:

Part A: Comparative Text Study (15%)

A comparative text study that compares one of the texts studied in the shared studies with another text individually chosen by the student, in a response of a maximum of 1500 words. This response is a critical essay, in which the two texts are discussed in relation to each other. Students frame their own question and develop their response during the year, and submit the completed response for external assessment.

Part B: Critical Reading (15%)

A critical reading of one or more short texts. The short texts may be in a variety of forms (eg. prose, fiction, non-fiction, poetry, texts with graphic or visual elements, or excerpts from film or soundtracks).

The critical reading is a 90-minute examination developed by the SACE Board.

Assessment

- Responding to Texts (50%)
- Creating Text (20%)
- Text Study (30%)

Essential English

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of Stage 1 Essential English or General English and the recommendation of teacher.

Contact Person: Alex Christodoulou

Content

The course consists of three components:

Creating Texts (40%)

- Students create written, oral, and multimodal texts for procedural, imaginative, analytical, persuasive, and/or interpretive purposes. Students create one advocacy text and two additional texts. At least one of the responses must be in written form, and at least one in oral or multimodal form.

A written text should be a maximum of 800 words; an oral response should be a maximum of 6 minutes; a text in multimodal form should be of equivalent length.

Responding to Texts (30%)

- Students produce three responses to texts. At least one must be an oral (up to 6 minutes) and one must be a written piece (up to 800 words).

Language Study (30%)

- Students complete an independent language study. The focus of study is an understanding of the use of spoken, non-verbal, visual, and / or written language by people in a chosen context beyond the classroom. This can be written (up to 1500 words) or presented as an oral or multimedia presentation (up to 8 minutes)

Assessment

Student work is centrally moderated to ensure that standards are comparable.

The Language Study is assessed externally.

English as an Additional Language [EAL]

Course Length: 2 semesters (20 credits)

Recommendation: This subject is only available by invitation to eligible students.

Contact person: Janette Bandjak

Content

The course consists of three components:

Academic Literacy Study (30%)

- Students develop their academic literacy skills through creating written and oral academic texts and extending their communication skills and strategies. Students investigate a question or a topic and present their findings in an academic style by producing two tasks, a written report (up to 1500 words) and an oral interaction, such as a tutorial or discussion (up to 10 minutes).

Responses to texts (40%)

- Students complete four responses to a range of texts, at least one of which must be a literary text. At least one response must be presented in oral form and two must be in written form. These responses should be up to 3000 words in total or the equivalent for an oral presentation

Examination (30%)

- Students respond to aural and / or visual texts. In their answers to questions, students must use information from the texts. Texts may be drawn from a range of oral and visual text types such as discussions, interviews, broadcasts, podcasts, lectures, and advertisements.

Assessment

Student work is centrally moderated to ensure that standards are comparable.

The examination is assessed externally.

HEALTH & PHYSICAL EDUCATION

Child Studies

Course Length: 2 semesters (20 credits)

Recommendation: No pre-requisites are required, but Stage I Child Studies would be an advantage.

Contact Person: Katie Hart

Content

Students undertake tasks involving the creation of a:

- Meal for a pregnant female
- Learning Aid for a Special Needs child
- Development toy for a pre-school child
- Book for a child
- Group Task to be negotiated
- An Investigation of choice.

Assessment

- Practical Activity (50%)
- Group Activity (20%)
- Investigation (30%)

Food and Hospitality

Course Length: 2 semesters (20 credits)

Recommendation: C grade or better in Stage 1 Food and Hospitality.

Contact Person: Sarah Rogers

Content

Students study topics within the following five areas of study:

- Contemporary and Future Issues

- Economic and Environmental Influences
- Political and Legal Influences
- Sociocultural Influences
- Technological Influences

Note: Students may be required to supplement lessons with food from home in summative tasks.

Assessment

- Practical Activity (50%)
- Group Activity (20%)
- Investigation (30%)

Fitness and Physical Activity (Integrated Learning)

Course Length: 2 semesters (20 credits)

Recommendation: C grade or higher in Stage 1 Physical Activity

Contact person: Katie Hart

Content

There are four different assessment types:

School Assessed:

Practical (30%)

- Two sports will be negotiated by the class Group Activity (20%)
- Students will work in small groups to plan and implement a fitness program to younger classes.
- Students will plan and produce a fitness program for a chosen case study.

Folio and Discussion (20%)

- Musculoskeletal system, Fitness Components, Training Principles and methods will be the focus.
- Students will be involved in a discussion demonstrating their knowledge and progress.

Externally Assessed:

Project (30%)

- Students choose an interest within the area of the course and develop an outcome of choice.

Assessment

- Practical (50%)
- Folio (20%)
- Project (30%)

Physical Education

Course Length: 2 semesters (20 credits)

Recommendation: B grade or higher for at least one semester of Stage 1 Physical Education is required. Completion of both semesters (at B grade) at Stage 1 would be an advantage.

Contact person: Andrew Costello

Content

There are two main theory topics:

- 1) Exercise Physiology and Physical Activity
- 2) The Acquisition of Skills and Biomechanics of Movement

There are three practical topics

- 1) Volleyball
- 2) Aquatics*
- 3) To be negotiated with class

***Please note:** Aquatics is a compulsory practical component of our course, will occur off-site, and will incur an additional cost.

Assessment

- Practical (50%)
- Folio (20%)
- External Examination (30%)

HUMANITIES & SOCIAL SCIENCES

Legal Studies

Course Length: 2 semesters (20 credits)

Recommendation: Successful completion of Stage 1 Legal Studies and a B grade or better in Stage 1 English

Contact Person: Nick Pizimolas

Content

- Topic 1: The Australian Legal System
- Topic 2: Constitutional Government
- Topic 3: Law-making
- Topic 4: Justice Systems

Assessment

- Folio (50%)
- Inquiry (20%)
- External Examination (30%)

Modern History

Course Length: 2 semesters (20 credits)

Recommendation: Successful completion of Stage 1 History and a B grade or better in Stage 1 English

Contact Person: David Osborn

Content

- Topic 1: United States of America (1914-1945)
- Topic 2: The Changing World Order (1945-)

Assessment

- Folio (50%)
- Inquiry (20%)
- External Examination (30%)

Society and Culture

Course Length: 2 semesters (20 credits)

Recommendation: Students must have achieved a B grade or better in Stage 1 English and successful completion of Stage 1 Society and Culture will be an advantage.

Contact Person: Bob Powell

Content

Studies of Societies enables students to become more informed about the social, political, economic

and cultural factors that affect Australia and the world. The course will encourage students to consider their role as a group member at a classroom level, national, regional and global level.

The course will be selected from 10 possible topics.

Group 1 Topics: Culture

- Cultural Diversity, Youth Culture

Group 2 Topics: Contemporary Challenges

- Social Ethics, Issues for Indigenous People, The Techno Revolution, People and the Environment

Group 3 Topics: Global Issues

- Globalisation, A Question of Rights, People and Power.

Assessment

- Folio (50%)
- Interaction (20%)
- Investigation (30%)

The investigation should be up to a maximum of 2000 words and will examine a contemporary Australian social or cultural issue.

MATHEMATICS

Essential Mathematics

Course Length: 2 semesters (20 credits)

Recommendation: Passing grades in any Stage 1 Maths course (Mathematical Methods, General or Essential Mathematics) and the recommendation of the teacher.

Contact Person: Sharon Robertson

Content

Essential Mathematics offers senior secondary students the opportunity to extend their mathematical skills in ways that apply to practical problem-solving in everyday and workplace contexts. Students apply their mathematics to diverse settings, including everyday calculations, financial management, business applications, measurement and geometry, and statistics in social contexts.

In Essential Mathematics there is an emphasis on developing students' computational skills and expanding their ability to apply their mathematical skills in flexible and resourceful ways.

This subject is intended for students planning to pursue a career in a range of trades or vocations.

Students are to maintain a folio containing all assessment tasks.

- Numeracy skills with and without technology
- Industry relevant skills – measurement, trigonometry, relevant algebra, statistics, running a small business, investments and loans
- Literacy skills – comprehension of technical problems, application writing and report writing

Assessment

- Skills and Application Tasks (45%)
- Investigations Folio (25%)
- Supervised Investigation (30%)

Additional Information

SACE approved Scientific Calculator is required.

General Mathematics

Course Length: 2 semesters (20 credits)

Recommendation: C+ or better in Stage 1 Mathematics Methods or General Mathematics.

Contact Person: Sharon Robertson

Content

General Mathematics extends students' mathematical skills in ways that apply to practical problem solving. A problem-based approach is integral to the development of mathematical models and the associated key concepts in the topics. Topics cover a diverse range of applications of mathematics, including personal financial management, the statistical investigation process, modelling using linear and non-linear functions, and discrete modelling using networks and matrices.

- Statistics
- Share Investments
- Investments and Loans
- Mathematics and Small business

Assessment

- Skills and Application Tasks (school based) (45%)
- Investigations Folio (25%)
- End of Year Examination (based on Semester 2 work only) (30%)

Additional Information

SACE approved Scientific Calculator is required.

Mathematical Methods

Course Length: 2 semesters (20 credits)

Recommendation: A or B grades in Stage 1 Mathematics A, B, and C and the recommendation of the teacher.

Contact Person: Sharon Robertson

Content

Mathematical Methods develops an increasingly complex and sophisticated understanding of calculus and statistics. By using functions and their derivatives and integrals, and by mathematically modelling physical processes, students develop a deep understanding of the physical world through a sound knowledge of relationships involving rates of change. Students use statistics to describe and analyse phenomena that involve uncertainty and variation.

Topics

- Statistics
- Functions and graphs (using graphics calculators)
- Calculus

Assessment

- Skills and Application Tasks (school based) (45%)
- Investigations Portfolio (25%)
- External Examination (30%)

Additional Information

SACE approved Graphics Calculator required.

Specialist Mathematics

Course Length: 2 semesters (20 credits)

Recommendation: A or B grade in Stage 1 Mathematics A, B, C and Specialist Mathematics.

Contact Person: Sharon Robertson

Content

Specialist Mathematics draws on and deepens students' mathematical knowledge, skills, and understanding, and provides opportunities for students to develop their skills in using rigorous mathematical arguments and proofs, and using mathematical models. It includes the study of functions and calculus.

Topics

- Counting
- Complex numbers
- Mathematical induction

- Inequalities
- Functions and graphs (using graphics calculators)
- Calculus
- Vectors and geometry

Specialist Mathematics must be studied in conjunction with Stage 2 Mathematical Methods.

Assessment

- Skills and Application Tasks (school based) (45%)
- Investigations Portfolio (25%)
- External Examination (30%)

Additional Information

SACE approved Graphics Calculator required.

SCIENCE

Biology

Course Length: 2 semesters (20 credits)

Recommendation: Achievement of a B grade or better in a Stage 1 Science and teacher recommendation.

Contact Person: Sharon Robertson

Content

The new SACE Stage 2 Biology course will be taught for the first time in 2018.

There are four main topics:

- Macromolecules
- Cells
- Organisms
- Ecosystems

Assessment

School Based Assessed:

Investigations Folio (40%)

- This includes 3 Completion / Design Investigations and an Issues Investigation

Skills and Applications (30%)

- This includes tasks such as tests and a mid-year exam.

External Assessment:

Examination (30%)

Chemistry

Course Length: 2 semesters (20 credits)

Recommendation: Completion of Stage 1 Chemistry A and Stage 1 Chemistry B with a B Grade or better.

Contact Person: Sharon Robertson

Content

The new SACE Stage 2 Chemistry course will be taught for the first time in 2018.

The subject has six compulsory topics:

- Skills
- Elemental and Environmental Chemistry
- Analytical Techniques
- Using and Controlling Reactions
- Organic and Biological Chemistry
- Materials

Assessment

School Based Assessment

- Investigations Folio (40%)
- Skills and Applications tasks (30%)

External Assessment

- Examination (30%)

Physics

Course Length: 2 semesters (20 credits)

Recommendation: Completion of Stage 1 Physics A and Stage 1 Physics B with a B Grade or better. Successful completion of a Stage 1 Maths (General or Mathematical Methods).

Contact Person: Sharon Robertson

Content

The new SACE Stage 2 Physics course will be taught for the first time in 2018.

Within the four sections – Motion in two Dimensions; Electricity and Magnetism; Light and Matter; and The Atom and Nucleus – students study many applications of Physics such as:

- Projectiles in sport
- Nuclear Medicine
- How CD's and DVD's work
- How lasers work
- Loudspeakers
- Medical uses of X-Rays
- Nuclear Reactors

Assessment

School Based Assessment

- Investigations Folio (40%)
- Skills and Applications tasks (30%)

External Assessment

- Examination (30%)

Psychology

Course Length: 2 semesters (20 credits)

Recommendation: Achievement of a B grade or better in a Stage 1 Science and teacher recommendation.

Contact Person: Sharon Robertson

Content

Topics studied are:

- Introduction to Psychology
- Social Cognition
- Learning
- Personality
- Psychobiology of Altered States of Awareness
- Healthy Minds

Assessment

School Based Assessment

Investigations Folio (30%)

- This includes 2-3 Group / Individual Investigations

Skills and Applications tasks (40%)

- This includes tasks such as tests, extended response questions, written assignments, and a mid-year exam.

External Assessment:

Examination (30%)

Community Studies

Community Studies

Course length: Community Studies may be undertaken as a 10-credit subject or a 20-credit subject at Stage 2.

Recommendation: There are no prerequisites for this subject. However students do perform better where they have a personal interest they wish to pursue.

Contact Person: Lynn Charlesworth / Lyn Davis / Roger Button

Content

Community Studies provides the student with autonomy in deciding the focus and direction of a community activity they wish to undertake. Students expand and enhance their skills and understanding in a guided and supported learning program, by beginning from a point of personal interest, skill or knowledge, and setting challenging and achievable goals in a community activity.

Students may complete more than one community activity and complete more than one contract of work. At Stage 2 the contracts fall into specific categories and there cannot be more than one contract per category.

- Arts and the Community
- Communication and the Community
- Foods and the Community
- Health, Recreation, and the Community
- Science, Technology and the Community
- Work and the Community

Notes:

- Community Studies cannot be studied for the purpose of gaining an ATAR
- Community Studies can be studied within another subject or community activity, for example The Arts.

Assessment

Contract of work (70%) includes:

- Development of contract
- Folio
- Presentation

External Assessment

- Reflections (30%)

Community Studies - through the Pedal Prix

[Refer to overview in Design & Technology Section]

Workplace Practices

Course Length: 2 semesters (20 credits)

Recommendation: Students who have completed or are currently undertaking study in VET; students with part-time employment.

Contact Person: Lyn Davis / Lynn Charlesworth /
Ian Benjafield

Content

This subject enables students to develop knowledge and understanding of the nature, type, and structure of the workplace, including local, national, and global workplaces in a flexible delivery model. Students can undertake learning in the workplace and reflect on and evaluate their experiences in relation to their capabilities, interests, and aspirations.

It consists of the following five topics:

- Topic 1: Work in Australian Society
- Topic 2: The Changing Nature of Work
- Topic 3: Industrial Relations
- Topic 4: Finding Employment
- Topic 5: Negotiated

Assessment

School based assessment (70%) including:

- Folio (25%)
- Performance (25%)
- Reflection (20%)

External assessment (30%)

