YEAR 12 – SACE Stage 2 Subjects for 2016

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 B

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:** Nick Pizimolas

**Content**

Students will:
- Choose a topic of interest
- 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

**Note:** Research Project A does not contribute to an ATAR (Australian Tertiary admission Rank).

**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:** Research Project B is required for the student to gain and ATAR (Australian Tertiary Admission Rank) for University entrance.
STAGE 2 CHOICE SUBJECTS

ARTS

Creative Arts – Design, Media & Photography focus

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of a Year 11 Creative Arts: Digital Media or another Stage 1 Arts subject or as recommended by an Arts teacher.

Contact Person: Beth Sztekel / 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:

- promotional packages or advertisements: DVD, web based, virtual tours, print, online
- interactive learning games
- digital products: electronic game, podcasts, vodcasts, educational DVDs
- entertainment programs for targeted audiences
- environmental design projects
- film/video: documentary, narrative (storytelling), music video clips, local tourism, community events
- graphic novels, illustrated children’s books, comic strips
- interactive learning games
- presentations for community screenings / performances
- animation: digital, stop motion and Claymation
- artworks, public art, installations
- photographic displays
- craft projects
- websites: corporate, virtual art galleries, museums etc.

Assessment
School-based 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%)

Creative Arts – Drama Focus

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of a Year 11 Creative Arts: Digital Media or another Stage 1 Arts subject or as recommended by an Arts teacher.

Contact Person: Ian Benjafied / 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-based 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 Year 11 Creative Arts - Music or Stage 1 Music or as recommended by Visual Arts Staff.

Contact Person: Beth Sztekel / 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 e.g. sound recording / engineering
• presentations for community screenings / performances
• sound editing projects

Assessment
School-based 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%)

Music

Course Length: 2 semesters (20 credits)
Students may opt to choose 40 credits with approval from the SACE Coordinator

Recommendation: A pass in SACE 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 2016

Assessment
School Assessment (70%)
External Assessment (30 %)
Note: Assessment tasks vary according to the units undertaken.

Visual Art

Note: Will not be available in 2016. However students can elect to focus on an aspect of Visual Arts within Creative Arts.

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of a Year 11 Visual Arts subject or as recommended by Visual Arts Staff.

Contact Person: Catherine Bourn / Beth Sztekel

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:
- answer 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 based 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 Year 11 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 / Beth Sztekel / Algis Laurinaitis

Content
This subject allows students to make decisions about what you 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
Students demonstrate evidence of their learning through the following assessment types:
- Development of Contract
- Folio
- Presentation

DESIGN & TECHNOLOGY

CAD/CAM
[Design]

Course Length: 2 semesters (20 credits)

Recommendation: Successful completion of either Yr.10 or Stage 1 CAD/CAM is recommended. Those with no experience will be guided through the basics.

Contact Person: Ian Pfitzner

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.

Folio (external assessment) (30%)
The folio is marked externally and contains evidence of the following:
- Product Design
- Impact study
- Product Evaluation

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

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&W 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 teachers, 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 process as evidence of their work.

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: Ian Pfitzner

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.

Folio (external assessment) (30%)
The folio is marked externally and contains evidence of the following:
- Product Design
- Impact study
- Product Evaluation
ENGLISH

English Communications

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of Stage 1 English.

Contact Person: Sam King

Content
The course consists of:

- Communication study (30%) – in two sections
  1. Analysis and comparison of one category of communication
  2. A practical application of communication skills e.g. interacting, film-making
- Text study (20%) students undertake three tasks involving study of a novel, film, play and poetry. At least one task is an oral presentation.
- Text production (20%) - students undertake three general writing tasks, one of which is supervised under test conditions.
- Folio (30%) - students complete a detailed commentary on a text and produce a written text with detailed explanation about its production.

Assessment
Student work is centrally moderated to ensure that standards are comparable The Folio is assessed externally.

English 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 English Studies semester would be an advantage.

Contact Person: Sam King

Content
In English Studies students read and review a range of texts analytically from a range of contexts; historic contemporary and texts reflecting everyday experience. Through a shared and individual study of texts, students will develop analytical skills, exchange and develop ideas, find evidence to support a personal view, and learn to construct logical and convincing arguments. Students undertake tasks within the following:

- Text Study - the study comprises four shared studies and an individual study. Shared Studies consist of a study of two single texts, a study of paired texts, a study of poetry and critical reading study of short texts.

- Text Production Study – Students compose texts, both written and oral covering a range of text types (e.g. narrative, persuasive, expository, and descriptive).

Assessment
- Individual Study (20%)
- Shared Studies (30%)
- Text Production (20%)
- External Assessment - Investigation (30%)

English as a Second Language [ESL]

Course Length: full year (20 credits)

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

Contact person: Janette Bandjak

Content
In this subject students increase their confidence and competence as users of English, developing skills as critical readers, viewers, listeners, speakers, and writers. They learn to use language that is appropriate for cultural and situational contexts, controlling the structures and features of English. Students also develop an understanding of a variety of texts. Students develop their understanding and proficiency in the use of the English language as they build on the skills they have in their first language. This process helps them to develop skills in reflecting and commenting on the ways in which cultural meanings are expressed in texts.

Assessment
- Communication Study (20%)
- Text Production (30%)
- Language Application (20%)
- External Assessment - Investigation (30%)
HEALTH & PERSONAL DEVELOPMENT

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: Valerie Beatty

Content
Students study topics within the following five areas of study:
- Contemporary and Future Issues
- Economic and Environmental Influences
- Practical and Legal Influences
- Socio-cultural Influences
- Technological Influences

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

Food and Hospitality

Course Length: 2 semesters (20 credit)

Recommendation: Year 10 and Stage I Hospitality Studies would be an advantage.

Contact Person: Valerie Beatty

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%)

Physical Education

Course Length: 2 semesters (20 credits)

Recommendation: Successful completion of at least one semester of Stage 1 Physical Education with a C grade or better is required. Completion of both semesters 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) Kayaking*
3) To be negotiated with class

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

Assessment
- Practical (50%)
- Issues Analysis (10%)
- Lab Report (5%)
- Mid-Year Exams (5%)
- End of Year Exam (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%)
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: Sharon Tibbits

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

Mathematical Applications

Note: This subject (including content) will be replaced by General Mathematics in 2017

Course Length: 2 semesters (20 credits)

Recommendation: Satisfactory completion of Stage 1 Mathematical Applications A and B.

Contact Person: Paul Vanner

Content
This course is for students who want to study a mathematics course with an emphasis on business or technical applications. Students will study four topics. Investment and Loans, and Statistics will be the examined topics.

The other topics will be selected from the following choices:
- Applied Geometry
- Mathematics and Small Business
- Share Investments

Assessment (per semester)
- 6 Skill and Application tasks (30%)
- 3 Folio tasks (40%)
- Externally assessed examination - 2 hours (30%)

Mathematical Studies

Note: This subject (including content) will be replaced by Mathematical Methods in 2017

Course Length: 2 semesters (20 credits)

Recommendation: B grade or better in Stage 1 Mathematical Studies - A, B, and C or A, C and D.

Contact Person: Paul Vanner

Content
Students will study the following topics:
- Statistics
- Functions and graphs using calculus
- Linear equations and matrices

Assessment
- Skills and Application Tasks (45%)
- Projects and Directed Investigations (25%)
- Examination - 3 hour (30%)

Specialist Mathematics

Note: This subject and content will be updated for teaching in 2017

Course Length: 2 semesters (20 credits)

Recommendation: B grade or better in Stage 1 Mathematical Studies A, C and D. This subject must be studied concurrently with Mathematical Studies.

Contact Person: Paul Vanner

Content
Students will study the following topics:
- Trigonometry
- Polynomials and complex numbers
- Vectors and polynomials
- Calculus
- Differential equations

Assessment
- Skills and Application Tables (45%)
- Projects and Directed Investigations (25%)
- Examination - 3 hour (30%)
SCIENCE

Biology

Course Length: 2 semesters (20 credits)

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

Contact Person: David Eglinton / Julie Tetlow / Arthur Roubanis

Content
There are four main topics:
- Macromolecules
- Cells
- Organisms
- Ecosystems

Assessment
School Based Assessed:
- Investigations Folio (40%)- This includes 3-4 Completion/Design Investigations, and an Issues Investigation
- Skills and Applications (30%)- This includes tasks such as tests, a movie analysis, written assignments, and a mid-year exam.

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: Arthur Roubanis / Kylie Turton

Content
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%)

Psychology

Course Length: 2 semesters (20 credits)

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

Contact Person: David Eglinton / Julie Tetlow / Arthur Roubanis

Content
The study of Psychology enables students to understand their own behaviours and the behaviours of others. It has direct relevance to their personal lives. Psychological knowledge can be applied to improve outcomes and the quality of experience in various areas of life, such as education, intimate relationships, child rearing, employment and leisure. Topics studied are:
- Introduction to Psychology
- Social Cognition
- Learning

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.

Contact Person: Alix Verdon / Arthur Roubanis

Content
This is a subject for students who are interested in the fundamental processes in nature. The study of Physics provides an understanding of the processes that determine the behaviour of systems from the very small (atoms and nuclei) to the very large (the solar system and the universe).

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%)
• 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

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: Lyn Davis / Roger Button / Lynn Charlesworth

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 Pedal Prix or Music.

Assessment
Contract of work (70%) includes:
• Development of contract
• Folio
• Presentation
Reflections (30%) – External Assessment

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 / Julie Hambour

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%)