



YEAR 12 - SACE STAGE 2 SUBJECTS FOR 2022



Government of South Australia
Department for Education

Brunel Drive Modbury Heights SA 5092
Telephone 8263 6244 / Facsimile 8263 6072
Email: dl.1430.info@schools.sa.edu.au
Website: <http://www.theheights.sa.edu.au>

ignite 
a program for gifted and talented children

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 literacy and numeracy compulsory requirements of Stage 1 at a C grade or better***
- ***Completed in Year 10, compulsory requirement of PLP at a C grade or better***

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

- ***Complete a minimum of 90 Stage 2 credits (including 3 full year subjects)***
- ***The 90 credits includes 10 credits of Research Project***

STAGE 2 SUBJECT OFFERINGS

Arts	
Creative Arts – Design, Media or Photography	20 Credits
Drama – single semester	10 Credits
Drama – full year	20 Credits
Music	20 Credits
Visual Art	20 Credits
English	
English Literary Studies	20 Credits
English	20 Credits
English as an Additional Language [EAL]	20 Credits
Essential English	20 Credits
Health & Physical Education	
Child Studies	20 Credits
Food and Hospitality	20 Credits
Integrated Learning Physical ED focus	20 Credits
Health & Wellbeing	20 Credits
Physical Education	20 Credits
Humanities & Social Sciences	
Legal Studies	20 Credits
Modern History	20 Credits
Society and Culture	20 Credits
Mathematics	
Essential Mathematics	20 Credits
General Mathematics	20 Credits
Mathematical Methods	20 Credits
Specialist Mathematics	20 Credits
Science	
Biology	20 Credits
Chemistry	20 Credits
Physics	20 Credits
Psychology	20 Credits
Technologies	
CAD/CAM [Digital Communication Solutions] (Design)	20 Credits
Furniture Construction (Material Solutions)	20 Credits
Metal Technology (Industry and Entrepreneurial Solutions)	20 Credits
Digital Technology	20 Credits
Cross Disciplinary Learning Area	
Community Studies: NOT Eligible for an ATAR	20 Credits
Workplace Practices (must be doing VET or have a casual job)	20 Credits

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ARTS

Creative Arts

Course Length: Full Year (20 credits)

Recommendation:

An advantage would be having **satisfactory** completion of a Year 10 subject such as:

- Creative Arts (Digital Media or Graphic Design)
- Photography
- Performing Arts
- Visual Arts
- Design

And/or **satisfactory** completion of Year 11 subjects such as:

- Creative Arts,
- Performing Arts or
- Visual Arts

(see below for individual focus advantages)

Contact Person: Alex Spalding

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-based Assessment:

Products (50%) - 2 products at 25% each (including a folio of preparatory supporting work for each)

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

External Assessment:

Practical Skills Folio (30%)

Drama

Course Length: Single Semester (10 credits) or Full Year (20 credits) X 4 lessons a week

Contact Person: Alex Spalding / Sally Putnam

Content

Semester 1 - Naturalism and Stanislavski,
Semester 2 -Shakespeare For Today Or Greek Theatre is Still Relevant.

This course links the study of the elements of Drama and the style of a particular exponent or theorist in drama to a text which will be

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performed by the students in the style they have been studying. An example is A Streetcar Named Desire by Tennessee Williams or one of the Chekov or Ibsen plays.

The second semester will concentrate on either a Shakespearean or a Greek text and how it can be adapted in different ways for a modern audience. This subject is assessed through improvising and workshopping aspects of the text being studied resulting in a final performance. Students will keep a logbook or journal of their learning journey though the term, including in it examples of other performances, notes on what they learned in lessons and personal reflections on the subject of the plays. This logbook will form the basis for their oral presentation or essay which discusses and reflects on their learning about the text and the practitioner. Students will either attend a theatre or watch a televised performance of a play on a similar theme or an alternative performance and write a response/review essay in which they analyse and reflect on the style and performance of the piece being watched.

Finally, students will develop a portfolio of research and creative ideas for a creative or technical role concerned with the play being studied. Or this may involve students studying a practitioner such as Enoch Wesley or Brecht or a style of performance such as Epic Theatre, Storytelling, Boal Street Theatre.

Assessment

Drama Performance 40%

Logbook/Essay/oral presentation reflecting on links between performance and practitioner style 15%

Response/ Review 20%

Portfolio – 25%

Music

Course Length: 2 semesters (20 credits)

Recommendation: Successful completion of two semesters of Stage 1 Music. Students MUST own or hire an instrument (\$50.00 per term) and MUST attend a 30min Instrumental Music lesson as part of this course.

Contact Person: Alex Spalding

Content

Year 12 Music can be undertaken through a variety of Stage 2 courses. Students are encouraged to choose either Music Explorations or Music Studies depending on their theoretical knowledge and ability. Solo Performance and Ensemble Performance are offered as supplementary courses as addition credits; or as options for 'offline' students to undertake Music at Year 12. The classroom course content will focus around developing students understanding of the musical elements in the styles of Jazz, Blues & Popular music genres; and performing as part of a classroom ensemble within those styles on their chosen instrument

Stage 2 Music Explorations

20 Credit Subject

Music Literacy 30%

Lead Sheet Melody Composition & Composer's Statement

Comparative Analysis of the same piece in two contrasting styles

Live Performance Review

Explorations 40%

Portfolio of short performances, compositions or musical products.

Commentary in a multimodal form of up to 6 minutes.

Creative Connections 30% (External)

Creative work: Performance (6-8 minutes); or Composition/Arrangement (3-4 minutes)

Discussion and Analysis of creative work (7 minutes)

Stage 2 Music Studies

Creative Works 40%

Ensemble or Solo Performance (10-12 minutes)

Creator's Statement (750 words)

Musical Literacy 30%

Jazz Contrafact Analysis

Dave Brubeck Quartet 'Time Out' Analysis

Use of Folk Songs in Classical Music

Examination 30% (External)

Supervised 2-hour examination of theory, aural and harmony skills.

Stage 2 Ensemble Performance

Performance 1 30%

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Ensemble Performance to a live audience (6-8 minutes)
Performance 2 and Discussion 40%
Ensemble Performance to a live audience (6-8 minutes)
Discussion of musical works and development (800 words)
Performance Portfolio 30% (External)
Ensemble Performance to a live audience (6-8 minutes)
Evaluation of learning (500 words)

Stage 2 Solo Performance

Performance 1 30%
Solo Performance to a live audience (6-8 minutes)
Performance 2 and Discussion 40%
Solo Performance to a live audience (6-8 minutes)
Discussion of musical works and development (800 words)
Performance Portfolio 30% (External)
Solo Performance to a live audience (6-8 minutes)
Evaluation of learning (500 words)

Visual Art

Course Length: Full Year (20 credits)

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

*Select Creative Arts Design as a backup preference.

Contact Person: Alex Spalding

Content

Area of Study 1: Visual Thinking (Folio)

Students record their inspirations, influences and ideas. The teacher assists students to 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 art in practice statement

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

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ENGLISH

English

Course Length: Full Year (20 SACE credits)

Recommendation: Satisfactory completion of Stage 1 English.

Contact Person: Bridget Roberts

Content

The course consists of three components:

Creating Texts (40%)

- Students create four texts for different purposes (up to 4000 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

Students complete seven school-based assessments and one external SACE-moderated assessment.

Note: Students may incur additional costs for excursions, performances, etc.

English Literary Studies

Course Length: Full Year (20 SACE credits)

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

Contact Person: Bridget Roberts

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, post-colonialism or psychoanalytic perspective 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.

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Assessment

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

Note: Students may incur additional costs for excursions, performances, etc.

Essential English

Course Length: Full Year (20 SACE credits)

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

Contact Person: Bridget Roberts

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.

Note: Students may incur additional costs for excursions, performances, etc.

English as an Additional Language [EAL]

Course Length: Full Year (20 SACE credits)

Recommendation: This subject is only available to eligible students. Students will receive an eligibility letter, which must be shown at course confirmation.

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%)

Section 1: Understanding Multimodal Texts

- Students respond to and analyse 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.

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Section 2: Written Paper

- Students read and interpret related texts and use the information and opinions in the texts to produce an extended written response.

Assessment

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

The examination is assessed externally.

HEALTH & PHYSICAL EDUCATION

Child Studies

Course Length: Full Year (20 credits)

Recommendation: No pre-requisites are required, but Stage 1 Child Studies would be an advantage.

Contact Person: Ashli Richards

Content

Stage 2 Child Studies focuses on the growth, health and wellbeing of children from conception to 8 years. Students develop an understanding of contemporary issues related to child development, the value of play, cultural inclusivity, the rights and needs of children, and the roles of parents and caregivers. They also consider the importance of behaviour management, child nutrition, and the impact of technological advancements in supporting the health and well-being of children. This course enables students to develop a variety of research, management, practical and group decision-making skills.

Students will study topics within the five Areas of Study:

- Contemporary and Future Issues
- Economic and Environmental Influences
- Political and Legal Influences
- Sociocultural Influences
- Technological Influences

Assessment

School based (70%)

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

External (30%)

- Investigation (30%)

Note: Students are required to supply materials for some practical activities.

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Food and Hospitality

Course Length: Full Year (20 credits)

Recommendation: No pre-requisites are required, but Stage 1 Food and Hospitality would be an advantage.

Contact Person: Ashli Richards

Content

In Stage 2 Students focus on the impact of the food and hospitality industry on Australian society and examine the contemporary and changing nature of the industry. Students will investigate, explore and debate current food and hospitality issues.

Students will study topics within the five Areas of Study:

- Contemporary and Future Issues
- Economic and Environmental Influences
- Political and Legal Influences
- Sociocultural Influences
- Technological Influences

Assessment

School based (70%)

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

External (30%)

- Investigation (30%)

Note: Students are required to supply materials for some practical activities.

Health & Wellbeing

Course Length: Full Year (20 credits)

Recommendation: No pre-requisites are required, but Stage 1 Health would be an advantage.

Contact Person: Ashli Richards

Content:

In Health, students focus on the Health and Well-being of individuals, communities, and societies in the environments they share. Students take a holistic approach, recognising various factors that

shape the behaviour and attitudes of individuals and groups in relation to healthy living and caring for themselves and the environment. They gain an understanding of how Health incorporates the underpinning principles of respect for diversity, social justice, and supportive environments. They consider the physical, emotional, social, cognitive, and spiritual dimensions of well-being.

Assessment

School based (70%)

- Group Investigation and Presentation (30%)
- Issues Analysis (20%)
- Practical Activity (20%)

External (30%)

- Inquiry (30%)

Integrated Learning Physical ED focus

Course Length: Full Year (20 credits)

Recommendation: Satisfactory completion of Stage 1 Physical Education preferred.

Contact person: Ashli Richards

Content

The course consists of three assessment components:

Three Practical Inquiries

- One team sport (Volleyball)
- One individual sport (Badminton)
- 3 day practical* (Surfing)
- A written 1500 word report is required for each Practical Inquiry Component

One Connections

- Students work in small groups to organise, plan and implement a series of four lessons teaching of a sport to a junior / middle school class (2000 word evaluative journal)

One Personal Endeavour

- Students work individually to research, implement and design a task relevant to an area of personal interest (2000 word)

Assessment

- Practical Inquiry (40%)

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- Connections (30%)
- Personal Endeavour (30%)

Note: Full day surfing excursion is a compulsory practical that will run off site at Goolwa and incurs an additional, all-inclusive cost of \$70-100. This will cover all instructor charges, transportation and equipment hire.

Physical Education

Course Length: Full Year (20 credits)

Recommendation: B Grade or higher in Stage 1 PE

Contact person: Ashli Richards

Content

Students will participate in a series of practical activities both teacher directed and others requiring independent skill learning.

Throughout all activities, students are required to establish links and complete written work regarding key concepts of:

- Biomechanics
- Exercise Physiology
- Skill Acquisition
- Sports Psychology

and how these factors influence participation and performance.

Assessment

School Assessment (70%)

- Diagnostics (30%)
- Improvement Analysis (40%)

External (30%)

- Group Dynamics (30%).

HUMANITIES & SOCIAL SCIENCES

Legal Studies

Course Length: Full Year (20 credits)

Recommendation: Competent completion of Stage 1 Legal Studies and English

Contact Person: David Osborn

Content

Students will learn about the operation of Australia's legal system including the following:

- Sources of Law
- Dispute Resolution
- The Constitution (Optional Topic 1)
- When Rights Collide (Optional Topic 2)

By the end of the year, students will be able to:

1. Demonstrate an understanding of legal principles and processes
2. Demonstrate an understanding of ways that legal systems balance competing interests or tensions
3. Demonstrate civic literacy through inquiry
4. Critically analyse and apply legal principles, processes and concepts to case studies, the law and or issues
5. Develop conceptual understanding and application to various contexts
6. Communicate and evaluate legal arguments and make informed recommendations.

Assessment

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

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Modern History

Course Length: Full Year (20 credits)

Recommendation: Successful completion of Stage 1 History and a B Grade or better in Stage 1 Legal Studies, Society & Culture or 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: Full Year (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: David Osborn

Content

Society and Culture enables students to become more informed about the social, political, economic and cultural factors that affect Australia and the world. The course is designed to develop students' skills in analysis, evaluating arguments, use of evidence, building empathy and perspective-taking. The key focus throughout the course is understanding social change, power structures, and the interconnections among societies.

The course will encourage students to consider their role as a group member at a classroom level, national, regional and global level.

Society and Culture provides strong pathway links for students pursuing social work, health, education, law, politics, social services, business, architecture and much more

Topics covered are:

- Youth Culture
- Cultural Diversity and Integration
- Indigenous Inequalities
- Rural and Remote Communities
- Human Rights
- Social Action

Assessment

- Folio (50%)
 - Four written tasks (5000 words max total)
- Interaction (20%)
 - Oral Presentation (Human Rights)
 - Group Activity (Social Action)
- Investigation (30%) (Externally Assessed)
 - Independent investigation examining a contemporary Australian social or cultural issue, through the lens of positive social change. (2000 words maximum)

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MATHEMATICS

Essential Mathematics

Course Length: Full Year (20 credits)

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

Contact Person: Arthur Roubanis

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 (30%)
- Investigations Folio (40%)
- Exam (30%)

Additional Information

SACE approved Scientific Calculator is required.

General Mathematics

Course Length: Full Year (20 credits)

Recommendation: A or B Grade in Stage 1 Mathematical Methods or General Mathematics.

Contact Person: Arthur Roubanis

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.

- Modelling with Linear Relationships
- Modelling with Matrices
- Statistical Models
- Financial Models
- Discrete Models

Assessment

- Skills and Application Tasks (school based) (40%)
- Investigations Folio (30%)
- End of Year Examination (30%)

Additional Information

SACE approved Scientific Calculator is required.

Mathematical Methods

Course Length: Full Year (20 credits)

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

Contact Person: Arthur Roubanis

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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

- Further Differentiation and Applications
- Integral Calculus
- Logarithmic Functions
- Discrete Random Variables
- Continuous Random Variables and Normal Distribution
- Sampling and Confidence Intervals

Assessment

- Skills and Application Tasks (school based) (50%)
- Investigations Portfolio (20%)
- External Examination (30%)

Additional Information

SACE approved Graphics Calculator required.

Specialist Mathematics

Course Length: Full Year (20 credits)

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

Contact Person: Arthur Roubanis

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

- Mathematical induction
- Complex numbers
- Functions and Sketching Graphs
- Vectors in three dimensions
- Integration Techniques and Applications
- Rates of Change and Differential Equations

Assessment

- Skills and Application Tasks (school based) (50%)
- Investigations Portfolio (20%)
- External Examination (30%)

Additional Information

SACE approved Graphics Calculator required.

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SCIENCE

Biology

Course Length: Full Year (20 credits)

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

Contact Person: David Eglinton

Content

There are four main topics:

- DNA and proteins
- Cells as the basis of life
- Homeostasis
- Evolution

Fee: Study Guides \$30 plus an optional workbook.

Assessment

School Based Assessed:

Investigations Folio (40%)

- This includes 1 Completion Investigation, 1 Design Investigation and 1 Science as a Human Endeavour (SHE) Investigation

Skills and Applications (30%)

- This includes 4 assessment tasks such as tests or research assignments.

External Assessment:

- Examination (30%)

Chemistry

Course Length: Full Year (20 credits)

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

Contact Person: David Eglinton

Content

The topics in Stage 2 Chemistry provide the framework for developing integrated programs of learning through which students extend their skills, knowledge, and understanding of the three strands of science.

The three strands of science to be integrated throughout student learning are:

- Science inquiry skills
- Science as a human endeavour
- Science understanding

The topics for Stage 2 Chemistry are:

- Topic 1: Monitoring the Environment
- Topic 2: Managing Chemical Processes
- Topic 3: Organic and Biological Chemistry
- Topic 4: Managing Resources

Students study all four topics. The topics can be sequenced and structured to suit individual groups of students.

Assessment

School Based Assessment

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

External Assessment

- Examination (30%)

Physics

Course Length: Full Year (20 credits)

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

Contact Person: David Eglinton

Content

The topics for Stage 2 Physics are:

Motion and Relativity

- Projectile Motion
- Forces and Momentum
- Circular Motion and Gravitation
- Relativity

Electricity and Magnetism

- Electric Fields
- Motion of Charged Particles in Electric Fields
- Magnetic Fields
- Motion of Charged Particles in Magnetic Fields
- Electromagnetic Induction

Light and Atoms

- Wave Behaviour of Light
- Wave-Particle Duality
- Structure of the Atom
- Standard Model

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Fee: Study Guides \$30 plus an optional workbook.

Assessment

School Based Assessment

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

External Assessment

- Examination (30%)

Psychology

Course Length: Full Year (20 credits)

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

Contact Person: David Eglinton

Content

Topics studied are:

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

Fee: Study Guides \$30 plus an optional workbook.

Assessment

School Based Assessment

Investigations Folio (30%)

- This includes 2 Investigations (1 Group and 1 Individual Investigation).

Skills and Applications tasks (40%)

- This includes tasks such as tests, extended response questions, and research assignments.

External Assessment:

- Examination (30%)

TECHNOLOGIES

CAD/CAM

(Digital Communication Solutions)

Course Length: Full Year(20 credits)

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

Contact Person: Jake Holt

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 – Inventor and Sketch Up. Students will have the opportunity to use the TROTEC laser cutter to prototype small products designed using the Inventor software.

Assessment

School Based Assessment (70%)

Two Specialist Skills Tasks (20%)

Students must show evidence of these tasks and evaluate them. (Up to 1000 words or 6 minutes in multi modal form)

Design Process (Folio) and Solution (50%)

This may be a major design project or a series of up to 3 smaller design tasks. Students must show evidence of the design process and showcase and evaluate their project. (Up to 2000 words or 12 minutes in multi modal or combination)

External Assessment (30%)

Resource Study

The Resource Study is marked externally and is comprised of the following 2 parts:

- Part One: Resource Investigation
- Part Two: Issue Exploration

The Resource study should be presented in written or multi modal form or a combination of both. Written maximum of 2000 words or

YEAR 12 CHOICE SUBJECTS

equivalent in multi modal form, where 1000 words is equivalent to 6 minutes.

Digital Technology

Course Length: Full Year (20 credits)

Recommendation: Completion of Year 10 Wood Technology is an advantage but not essential. Those with no experience will be guided through the basics.

Contact Person: Jake Holt

Content

Digital technologies have changed the ways that people think, work, and live. The application of digital technologies can lead to discoveries, new learning, and innovative approaches to understanding and solving problems.

The study of Digital Technologies provides a platform for deep interdisciplinary learning. Students make connections with innovation in other fields and across other learning areas.

In Digital Technologies students create practical, innovative solutions to problems of interest. By extracting, interpreting, and modelling real-world data sets, students identify trends and examine sustainable solutions to problems in, for example, business, industry, the environment, and the community. They investigate how potential solutions are influenced by current and projected social, economic, environmental, scientific, and ethical considerations, including relevance, originality, appropriateness, and sustainability.

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

Assessment

Consist of:

- Two Specialised Skills Tasks
- One Design Process (Folio) and Solution
- A Folio containing evidence of the design process and other written work is to be submitted at the conclusion of the course.

Furniture Construction [Material Solutions]

Course Length: Full Year (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: Craig Holyhrim / Jake Holt

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

School Based Assessment (70%)

2 Specialist Skills Tasks (20%)

- Students must show evidence of these tasks and evaluate them. (Up to 1000 words or 6 minutes in multi modal form)

Design Process (Folio) and Solution (50%)

- This may be a major design project or a series of up to 3 smaller design tasks. (Up to 2000 words or 12 minutes in multi modal or combination)

External Assessment (30%)

Resource Study is marked externally and is comprised of the following 2 parts:

- Part One: Resource Investigation
- Part Two: Issue Exploration

The Resource study should be presented in written or multi modal form or a combination of both. Written maximum of 2000 words or equivalent in multi modal form, where 1000 words is equivalent to 6 minutes

YEAR 12 CHOICE SUBJECTS

Metal Technology [Industry & Entrepreneurial Solutions]

Course Length: Full Year(20 credits)

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

Contact Person: Jake Holt

Content

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

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

Assessment

School Based Assessment (70%)

Two Specialist Skills Tasks (20%)

Students must show evidence of these tasks and evaluate them. (Up to 1000 words or 6 minutes in multi modal form)

Design Process (Folio) and Solution (50%)

This may be a major design project or a series of up to 3 smaller design tasks. Students must show evidence of the design process and showcase and evaluate their project. (Up to 2000 words or 12 minutes in multi modal or combination)

External Assessment (30%)

Resource Study

The Resource Study is marked externally and is comprised of the following 2 parts:

- Part One: Resource Investigation
- Part Two: Issue Exploration

The Resource study should be presented in written or multi modal form or a combination of both. Written maximum of 2000 words or equivalent in multi modal form, where 1000 words is equivalent to 6 minutes.

CROSS DISCIPLINARY STUDIES

Community Studies

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

Course length: Single Semester (10 credits each Semester)

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: Ian Benjafield

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.

YEAR 12 CHOICE SUBJECTS

Assessment

Contract of work (70%) includes:

- Development of contract
- Folio
- Presentation

External Assessment

- Reflection (30%)

Workplace Practices

Course Length: Full Year (20 Credits)

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

Contact Person: 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%)

- Practical / Theoretical Investigation