



**Avenues
College**

2023 Course Handbook

Year 11

YEAR



The Arts

CREATIVE ARTS

Length: Semester (10 SACE Credits)

Prerequisites: It is strongly recommended that students study at least 1 semester of Media Arts or Visual Arts in Year 10 before choosing Stage 1 Creative Arts.

Course Description

Students undertake a specialised study within one or across multiple arts disciplines. They actively participate in the development and presentation of creative arts products and develop personal strengths through specialisation in an area of creative arts. These may take the form of visual art, craft and design works, digital media, film and video, public arts projects and community performances, presentations, installations and other art forms. This subject is suitable for students interested in any or a combination of a few arts disciplines.

Content

- Creative Arts Process
- Development and Production
- Core Concepts in Arts Disciplines
- Creative Arts in Practice

Assessment Components

- Folio (60%)
- Product (40%)

Additional Information

This subject leads to Stage 2 Visual Arts.

MUSIC EXPERIENCE

Length: Semester or Year (10 or 20 SACE credits)

Prerequisites: C grade or better in Year 10 Music (1 or 2 semesters).

Course Description

In Music Experience students engage in musical activities such as performing, composing, arranging, improvising, researching and developing and applying music technologies. Students appreciate the value of working collaboratively and present musical works.

Content

- Ensemble Performance
- Solo Performance
- Composition on Acid software
- Sound technology
- Stage Presence Techniques
- Music terminology
- Describe style, context and the elements of music

Assessment Components

- Creative Works (2+ for a single semester, 3+ per year)
- Musical Literacy Tasks (1+ for a single semester, 2+ per year)

Additional Information

This subject leads to Solo Performance and Ensemble Performance in Stage 2.

YEAR



The Arts

VISUAL ARTS

Length: Semester or Year (10 or 20 SACE credits)

Prerequisites: It is strongly recommended that students study at least 1 semester of Visual Arts in Year 10 before choosing Stage 1 Visual Arts

Course Description

Students express ideas through practical work using drawings, sketches, diagrams, models, prototypes, photographs and/or audio-visual techniques. Students use visual thinking and investigation to develop ideas and concepts, refine technical skills, and produce imaginative solutions.

Content

- Folio: Students produce one folio that documents their visual learning, in support of their one or two works of art or design
- Practical: Students produce one or two practicals. One may be a minor work
- Students prepare a written statement for one practical (maximum of 250 words)
- Visual Study: This should be between eight and twelve A3 sheets of practical study, a maximum of 750 words if written or a maximum of 5 minutes if oral

Assessment Components

- Folio (30%)
- Practical (40%)
- Visual Study (30%)

Additional Information

This subject leads to Stage 2 Visual Art.

It is strongly recommended that students study at least 1 semester of Visual Arts before choosing Stage 2 Visual Arts or Creative Arts.



Cross-disciplinary

BUSINESS INNOVATION

Length: Semester (10 SACE credits)

Prerequisites: Nil

Course Description

Students explore both start-up and existing businesses. They work collaboratively to find and solve real-world problems. Financial awareness and decision-making will be extended to create business models for start-up and/or existing businesses. Focus is on finding and solving customer problems or needs through design thinking towards understanding how design-led businesses succeed.

Content

- Nature and structure of business
- Forms of ownership and legal responsibilities
- Marketing and communication in business
- Entrepreneurship; the enterprising person
- Opportunities presented by digital and emerging technologies.

Assessment Components

- Folio (50%)
- Practical (25%)
- Issues Study (25%)

Additional Information

Leads to Stage 2 Business Innovation



Cross-disciplinary

RESEARCH PROJECT

Length: Semester (10 SACE credits)

Prerequisites: Nil

Course Description

Through the Research Project, students are presented with the opportunity to explore an area of personal interest. They apply the research framework in order to develop relevant knowledge, skills and understanding relating to their chosen topic, and they explore the concept of one or more SACE capabilities, and how these can be developed in the context of their research.

Content

- Generate ideas to plan and develop a research project
- Understand and develop one or more capabilities in the context of their research
- Develop specific knowledge and skills
- Analyse information and explore ideas to develop their research
- Produce and substantiate a research outcome
- Evaluate their research

Assessment Components

- Folio (30%)
- Research Outcome (40%)
- Research Project A - Written, oral or multimodal Review (30%)
- Research Project B - Written Evaluation (30%) or

Additional Information

This compulsory SACE Stage 2 subject will occur in Semester 1.
Students enrol in either Research Project A or Research Project B.
Students must achieve a C- grade or better for successful SACE completion.



English

ENGLISH

Length: Year (20 SACE credits)

Prerequisites: B grade or better in Year 10 English.

Course Description

Over the course of a semester, students will read, view, and listen to a range of texts and create a variety of responses. Tasks will have specific purposes such as to inform, analyse or persuade. The course requires students to examine the content, ideas and themes of a text as well as structure and intentions of the author. When creating original texts students will demonstrate their ability to control language and utilise English conventions.

Content

- Analysis of Novels/Extended Prose, Poetry/Song Lyrics
- Analysis of Films, Media/Electronic/Advertising texts
- Creation of Essays, Websites, Reports

Assessment Components

Within any component, tasks may be written, oral or multimodal. Written tasks must be a maximum of 800 words and oral tasks a maximum of 5 minutes. Oral tasks must be recorded for moderation purposes.

Additional Information

This subject is compulsory for a full year. The course is split into two separate semesters to provide maximum flexibility for students. Students must complete this course (both semesters) with a C grade or higher to meet the requirements for SACE completion.

ESSENTIAL ENGLISH

Length: Year (20 SACE credits)

Prerequisites: C grade or better in Year 10 English.

Course Description

Through Essential English, students will read, respond to, and produce a range of texts. The focus is on the ways in which students use language to establish and maintain effective connections and interactions with other people. Learning will require students to consider how language is used in a variety of vocational, cultural, and social contexts. Through developing their skills students will be able to demonstrate control of language in a range of settings.

Content

- Analysis of novels, drama scripts or live performances
- Analysis of media, advertising texts or films
- Creation of Essays, Recounts, Reflections, Reviews
- Creation of Speeches or Visual/Creative responses

Assessment Components

Within either component tasks may be written, oral or multimodal. Written tasks must be a maximum of 800 words and oral tasks a maximum of 5 minutes. Oral tasks must be recorded for moderation purposes.

Additional Information

This subject is compulsory for a full year. The course is split into two separate semesters to provide maximum flexibility for students. Students must complete this course (both semesters) with a C grade or higher to meet the requirements for SACE



HASS

ABORIGINAL STUDIES

Length: Semester (10 SACE credits)

Prerequisites: B grade or better in Year 10 HASS.

Course Description

Students learn from and with Aboriginal peoples, communities, and other sources of Aboriginal voice. Learning from and with Aboriginal peoples and communities is integral to students developing and extending respectful ways of thinking, communicating, understanding, and acting. Through their learning in this subject, students draw on elements of history, sociology, politics, arts and literature.

Content

Content may include working with the Aboriginal community/peoples and listening to their stories, accomplishments and campaigns. Excursions to art galleries, museums and further afield to study land management may also be included.

Assessment Components

For 1 Semester, students provide evidence of their learning through 4 assessments.

Additional Information

This subject leads to Stage 2 Aboriginal Studies.

MODERN HISTORY

Length: Semester (10 SACE credits)

Prerequisites: B grade or better in Year 10 History.

Course Description

Students study changes within the world since 1750, examining social movements of significance, the ideas that they were based on, and their short-term and long-term consequences for societies, systems and individuals. Students study the impact these developments and movements have had on peoples' lives and the motivating and causal factors which create change over time. During the course, students will examine how groups, individuals and institutions challenged the political, social and economic fabric of societies to change the course of history.

Content

Two topics will be chosen from a list of six, these being: Imperialism, Decolonisation, Indigenous Rights, Social Movements, Revolution, and an Elective. Within the topics chosen, there will be a degree of content choice and the opportunity for various historical skills to be developed.

Assessment Components

Students will be required to complete 4 written, oral or multimodal tasks with a maximum word limit of 1000 words or 6 minutes in length, if done in an oral format.

Additional Information

This subject leads to Stage 2 Modern History.



Health and PE

CHILD STUDIES

Length: Semester (10 SACE credits)

Prerequisites: Nil, but successful completion of year 10 Child Studies would be an advantage.

Course Description

Students examine the period of childhood from conception to eight years and issues related to the growth, health and wellbeing of children. They will examine the diverse range of values and beliefs about childhood and the care of children, the nature of contemporary families and the changing roles of children.

Content

- The nature of childhood, socialisation and development of children
- Children in wider society
- Children's rights and safety (safety issues for children)
- Children's nutrition, growth, and development

Assessment Components

- Practical Activities (50%)
- Group Activity (25%)
- Investigation (25%)

Additional Information

This subject leads to Stage 2 Child Studies.

FOOD AND HOSPITALITY

Length: Semester or Year (10 or 20 SACE credits)

Prerequisites: Nil, but successful completion of year 10 Food Technology would be an advantage.

Course Description

This topic investigates safe food handling issues. We look at food preparation and presentation, including cultural influences on eating patterns in Australia. We also investigate issues related to catering for small functions, as well as current trends in hospitality. We will develop practical and organisational skills working individually or as part of a group.

Content

- Celebration food
- Cultural influences on food in Australia
- Fair Trade
- Australian Native Food
- Healthy eating, planning & recipe adaption
- Critical analysis of contemporary food trends
- Safety & Hygiene

Assessment Components

- Practical Activity (50%)
- Group Activity (25%)
- Investigation (25%)

Additional Information

Leads to Stage 2 Food and Hospitality.



Health and PE

HEALTH AND WELLBEING

Length: Semester (10 SACE credits)

Prerequisites: Nil

Course Description

Students develop the knowledge, skills and learning required to explore and understand influences and make decisions regarding health and wellbeing. They consider the role of health and wellbeing in different contexts and explore ways of promoting positive outcomes for individuals, communities and global society.

Content

- Analyse current trends and issues that impact health and wellbeing.
- Reflect on personal and community actions to promote and improve sustainable outcomes for individuals, communities and global society.
- Provide opportunities for students to make responsible choices and decisions in a rapidly changing world.
- Develop an understanding of health determinants and strategies to improve lifestyle decisions.
- Explore and develop skills as advocates and agents of change and consider moral and ethical perspectives.

Assessment Components

Students provide evidence of their learning through three assessments. Each assessment type has a weighting of at least 20%.

- Practical Action (at least 20%)
- Issue Inquiry (at least 20%)

Additional Information

Leads to Stage 2 Health.

PHYSICAL EDUCATION

Length: Semester or Year (10 or 20 SACE credits)

Prerequisites: B grade or better in Year 10 PE

Course Description

Students develop the knowledge, skills and understandings required to explore and understand influences and make decisions regarding health and wellbeing. They consider the role of health and wellbeing in different contexts and explore ways of promoting positive outcomes for individuals, communities and global society. Health and wellbeing is influenced by diverse social and cultural attitudes, beliefs and practices.

Content

- Develop an understanding of the health and wellbeing status of individuals, communities and global societies.
- Explore the health determinants that exist and strategies that can be implemented to improve lifestyle decisions.
- Provide opportunities to make responsible choices and decisions in a rapidly changing world.
- Explore and develop skills as agents and advocates for change and consider moral and ethical perspectives.
- Explore principles and frameworks relating to health and wellbeing.
- Evaluate current trends and issues that impact health and wellbeing.
- Reflect on personal and community actions to promote and improve sustainable outcomes for individuals, communities and global society.

Assessment Components

- Practical Action Task(s)
- Issue Inquiry Task(s)
- Investigation Task(s)

Additional Information

This subject leads to Stage 2 Physical Education.

YEAR



Health and PE

SPORT STUDIES

Length: Semester or Year (10 or 20 SACE credits)

Prerequisites: C grade or better in Year 10 PE

Course Description

Students complete three sports focusing on skill development and teamwork. Students are also involved in group work and complete an individual sports related project.

Content

- 2 to 3 sports, journaling their development
- A group activity
- An individual sports related project of the student's choice

Assessment Components

- Practical Activity (50%)
- Group Activity (25%)
- Investigation (25%)

Additional Information

This subject leads to Stage 2 Sport Studies.

YEAR



Languages

AUSLAN (CONTINUERS)

Length: Year (20 SACE credits)

Prerequisites: C grade or better in Year 10 Auslan.

Course Description

Throughout this course, students will develop the skills needed for communicating meaningfully and purposely in Auslan, develop and apply linguistic and intercultural knowledge, understanding, and skills, as well as developing an understanding of Deaf culture and Deaf identity.

Content

- The Individual: Personal identity, Relationships
- The Changing World: Technology, The World of Work, Travel, Social issues
- The Deaf and Hearing Communities: Lifestyles, Arts and Entertainment, Development of the Deaf community, values, attitudes, beliefs

Assessment Components

- Informal Signed Assessment
- Formal Signed Assessment
- Text Analysis
- Investigation

Additional Information

Leads to Stage 2 Auslan. Course will only be offered OFFSITE at Adelaide School of Languages.



Mathematics

ESSENTIAL MATHEMATICS

Length: Year (20 SACE credits)

Prerequisites: C grade or better in Year 10 Mathematics.

Course Description

Essential Mathematics is designed for students who are planning to pursue a career in a range of trades or vocational pathways. There is an emphasis on extending students' mathematical skills in ways that apply to practical problem-solving in everyday and workplace contexts, in flexible and resourceful ways.

Content

- Calculations, time, and ratio
- Earning and spending
- Investing
- Geometry
- Measurement
- Data in context

Assessment Components

Over two semesters, students provide evidence of their learning through eight assessments. Each assessment type should have a weighting of at least 20%. Students undertake: at least four Skills and Applications Tasks and at least two Folio Tasks.

Additional Information

Recommended for students interested in SACE Stage 2 Essential Mathematics / STEM / vocational pathway.

GENERAL MATHEMATICS

Length: Year (20 SACE credits)

Prerequisites: B grade or better in two semesters of Year 10 Mathematics.

Course Description

General Mathematics extends students' mathematical skills in ways that apply to practical problem solving. A problems-based approach is integral to the development of mathematical models and the associated key ideas. General Mathematics is recommended for pathways with a non-specialised background in mathematics.

Content

- Investing and borrowing
- Measurement
- Statistics
- Applications of trigonometry
- Matrices and networks
- Linear and exponential functions

Assessment Components

- Skills and Applications Tasks one per topic (65%)
- Mathematical Investigation (35%)

Additional Information

Recommended for students interested in SACE Stage 2 General Mathematics / STEM pathways.



Mathematics

MATHEMATICS 1&2

Length: Year (20 SACE credits)

Prerequisites: B grade or better in two semesters of Year 10 Mathematics. Successful completion of Year 10 Mathematics Extension recommended.

Course Description

Mathematics develops an increasingly complex and sophisticated understanding of calculus and statistics. By using functions, 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.

Content

- Functions and Graphs
- Polynomials
- Trigonometry
- Counting
- Introductory Calculus
- Growth and Decay

Assessment Components

- Skills and Applications Tasks one per topic (75%)
- Mathematical Investigation (25%)

Additional Information

Stage 1 Mathematics provides the foundation for further study in mathematics in Stage 2 Mathematical Methods.

MATHEMATICS 3

Length: Semester (10 SACE credits)

Prerequisites: B grade or better in two semesters of Year 10 Mathematics. Successful completion of Year 10 Mathematics Extension recommended.

Course Description

Mathematics develops an increasingly complex and sophisticated understanding of calculus and statistics. By using functions, 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.

Content

- Vectors in the Plane
- Real and Complex Numbers
- Further Trigonometry

Assessment Components

- Skills and Applications Tasks one per topic (75%)
- Mathematical Investigation (25%)

Additional Information

Semester 2 only taken with Mathematics 1&2.

Stage 1 Mathematics 3 provides the foundation for further study in mathematics in Stage 2 Mathematical Methods and/or Stage 2 Specialist Mathematics.



Science

BIOLOGY

Length: Semester or Year (10 or 20 SACE credits)

Prerequisites: B grade or better in Year 10 Science. Successful completion of Year 10 Science Extension recommended.

Course Description

Students develop their understanding of Biology through inquiry into and application of understanding the diversity of life as it has evolved, the structure and function of living things, and how they interact with their own and other species and their environments. Students develop their knowledge through practical investigations and research. Students will have the opportunity to investigate aquaculture systems.

Content

- Cells and microorganisms
- Infectious disease
- Multicellular organisms
- Biodiversity and ecosystem dynamics

Assessment Components

- Investigations Folio (60%)
- Skills and Application Tasks (40%)

Additional Information

Recommended for students interested in a STEM pathway.
Prerequisite to study SACE Stage 2 Biology.

CHEMISTRY

Length: Year (20 SACE credits)

Prerequisites: B grade or better in Year 10 Science. Successful completion of Year 10 Science Extension recommended.

Course Description

Students develop and extend their understanding of how the physical world is chemically constructed, the interaction between human activities and the environment, and the use that human beings make of the planet's resources. They explore examples of how scientific understanding is dynamic and develops with new evidence, which may involve the application of new technologies.

Content

- Materials and their atoms
- Combinations of atoms
- Molecules
- Mixtures and solutions
- Acid and bases
- Redox reactions

Assessment Components

- Investigations Folio (50%)
- Skills and Application Tasks (50%)

Additional Information

Recommended for students interested in a STEM pathway.
Prerequisite to study SACE Stage 2 Chemistry.



Science

PHYSICS

Length: Year (20 SACE credits)

Prerequisites: B grade or better in Year 10 Science. Successful completion of Year 10 Science Extension required.

Course Description

Students develop knowledge and understanding to better understand matter, forces, energy, and the interaction among them. Students will learn to use Physics to explain natural phenomena, from the subatomic world to the macrocosmos.

Content

- Linear motion and forces
- Electric circuits
- Heat
- Energy and momentum
- Waves
- Nuclear models and radioactivity

Assessment Components

- Investigations Folio (50%)
- Skills and Application Tasks (50%)

Additional Information

Recommended for students interested in a STEM pathway.
Prerequisite to study SACE Stage 2 Physics.

PSYCHOLOGY

Length: Semester or Year (10 or 20 SACE credits)

Prerequisites: B grade or better in Year 10 Science. Successful completion of Year 10 Science Extension recommended.

Course Description

Students to understand their own behaviours and the behaviours of others through the study of Psychology. Psychological knowledge can be applied to improve outcomes and the quality of experience in various areas of life, such as education, relationships, health, employment and leisure. Psychology builds on the scientific method by involving students in the collection and analysis of qualitative and quantitative data.

Content

- Introduction to Psychology
- Social Behaviour
- Intelligence and Cognition
- Brain and Behaviour
- Human Psychological Development
- Emotion

Assessment Components

- Investigations Folio (40%)
- Skills and Application Tasks (60%)

Additional Information

Prerequisite to study SACE Stage 2 Psychology.



Technologies

CAD (COMPUTER AIDED DESIGN)

Length: Semester (10 SACE credits)

Prerequisites: Experience with CAD at Year 10 would be an advantage.

Course Description

Students will use software and appropriate hardware to produce designed outcomes. Students will have the opportunity to research, design and produce prototypes using additive manufacturing technology. Students will demonstrate the knowledge and skills associated with using CAD software to communicate design thinking in both 2D and 3D formats.

Content

- Students develop skills in the use of CAD software
- Develop skills in producing appropriate rendered images of designed products
- Analyse products and processes involving real world design problems
- Prototyping of designed products will utilise new technologies eg 3D printing and laser cutting
- Completed work will be presented in digital format for marking

Assessment Components

- Specialised Skills Tasks (40%)
- Design Process & Solution (60%)

Additional Information

Leads to Stage 2 Industrial CAD.
A fee may apply depending on student project selection.

DIGITAL PHOTOGRAPHY

Length: Semester (10 SACE credits)

Prerequisites: Nil, but experience with Photography in Year 10 is recommended.

Course Description

Students utilise Digital SLR camera techniques and photographic editing software to design products that communicate information through various media, both traditional and digital.

Content

- Use of the digital SLR Camera
- Composition skills
- Digital manipulation of photographs
- Analysing products and processes
- Designing, making and evaluating digital and published products

Assessment Components

- Specialised Skills Tasks (40%)
- Design Process & Solution (60%)

Additional Information

Leads to Stage 2 Photography.
A fee may apply depending on student project selection.



Technologies

DIGITAL TECHNOLOGY

Length: Semester (10 SACE credits)

Prerequisites: C grade or better in Year 10 Digital Technology and Year 10 Mathematics.

Course Description

Students will create practical, innovative solutions to problems of interest. Student will extract and interpret real-world data sets within the school community to identify trends and examine sustainable digital solutions

Content

- Analysing Data / Algorithms
- Designing and Programming
- Produce innovative solutions or prototypes
- Computational thinking skills
- Make ethical considerations on real world problems

Assessment Components

- Specialised Skills Tasks (40%)
- Design Process & Solution (60%)

Additional Information

This is a practical course that requires access to a computer outside normal lessons.

GAMING SYSTEMS

Length: Semester (10 SACE credits)

Prerequisites: Nil, but experience and knowledge with Woodwork and Electronics would be an advantage.

Course Description

Students demonstrate knowledge and skills across multiple disciplines including: Woodwork, ICT and Electronics. Students will learn how to operate and configure a small, single board computer (Raspberry Pi) in order to control various systems within their arcade. Students will combine electronic systems, ICT and traditional materials to create a fully functional Arcade Machine.

Content

- Arcade cabinet construction and assembly
- Installation and wiring of buttons, joysticks and peripherals
- Installation and configuration of single board computer and associated systems
- Developing knowledge and skills using 21st century processes such as Laser cutting and CNC machining
- Design and application of artwork on arcade cabinet to a professional standard
- Analysing existing products and processes
- Designing, making and evaluating a complete arcade machine

Assessment Components

- Specialised Skills Tasks (40%)
- Design Process & Solution (60%)

Additional Information

A subsidised fee will be incurred to help cover the course objectives.



Technologies

MATERIALS TECHNOLOGY (WOOD/METAL)

Length: Semester (10 SACE credits)

Prerequisites: Nil, but experience with Woodwork and/or Metalwork in Year 10 would be an advantage.

Course Description

Students will use a range of manufacturing technologies, such as tools, machines, equipment, and/or systems to design and make products with Wood and/or Metal.

Content

- Developing skills in using both hand/ power tools e.g. MIG Welding, Lathe, Radial Arm Saw
- Using appropriate joining methods
- Designing, making and evaluating an item of furniture/ product of choice
- Analysing products and processes involving real world design problems
- Applying appropriate hardware and finishes to the completed article
- Safe working practices
- Develop and interpret CAD drawings of products

Assessment Components

- Specialised Skills Tasks (40%)
- Design Process & Solution (60%)

Additional Information

Leads to Stage 2 Woodwork and/ or Metalwork.
A fee may apply depending on student project selection.

TEXTILES- FASHION AND DESIGN

Length: Semester (10 SACE credits)

Prerequisites: Nil, but experience in Design, Technology and Engineering / Textiles Technology would be an advantage.

Course Description

Students will use the design and realisation process, which includes review of design features, processes, materials-textiles, production techniques, and application of creative thinking to the design of a solution. They will plan and develop design concepts, and communicate potential features of, and solutions to, a problem or challenge. Students apply knowledge and understanding of skills, textile product construction procedures and techniques, using technology to realise the solution. They evaluate processes used in design development and solution realisation. Students will research and discuss ethical, legal, economic, and/or sustainability issues related to technology, materials- textiles, selected processes used, and/or solution design.

Content

- Identification of a need, problem or opportunity related to textiles-(fashion and design)
- Research and analysis of factors to inform a design brief
- Creation of a design brief
- Identification of criteria to evaluate how well a finished product satisfies the design brief.
- Textiles- fashion and design product design, development and planning
- Creation of a solution using safe work practices
- Evaluation of the textiles- fashion and design processes and/or solution designed.

Assessment Components

- Skills and Applications Tasks (40%)
- Design process and solution (60%)

Additional Information

Pathway - Work and future study in a range of fields related to textiles/fashion, and where skills can be transferred to use with additional materials such as in household/lifestyle product development, jewellery design and making.