



**Avenues
College**

2022 Course Handbook

Year 12



The Arts

MUSIC PERFORMANCE - ENSEMBLE

Length: Year (10 SACE credits)

Prerequisites: C grade or better in Stage 1 Music Experience

Course Description

This subject develops students' performance skills on an instrument or voice, within a group. Musicianship, technical proficiency, the ability to interact musically with others and to perform a range of works that engage an audience are all developed. Students perform on only one instrument or the voice. Students may perform as a vocalist and as an instrumentalist. Students prepare and present three public performances, comprising two initial performances and one final performance totalling 20 minutes.

Content

- Participation in a band/ensemble (2 or more performers)
- 3 Performance Assessments (6-8 minutes each)

Assessment Components

- Performance only (30%)
- Performance + Discussion (40%)
- Performance + Evaluation (30%)

Additional Information

This is an ATAR subject.
If students are wishing to study music at University, they must choose Music Performance - Solo to make up 20 credits.

MUSIC PERFORMANCE - SOLO

Length: Year (10 SACE credits)

Prerequisites: C grade or better in Stage 1 Music Experience

Course Description

This subject extends student musicianship and technical proficiency on either a chosen instrument or voice. Students also develop skills in solo performance, engaging an audience, and preparing and presenting a repertoire.

Content

- Perform as an instrumentalist and/or vocal soloist
- 3 Performance Assessments (6-8 minutes)

Assessment Components

- Performance only (30%)
- Performance + Discussion (40%)
- Performance + Evaluation (30%)

Additional Information

This is an ATAR subject.
If students are wishing to study music at University, they must choose Music Performance - Ensemble to make up 20 credits.



The Arts

VISUAL ARTS

Length: Year (20 SACE Credits)

Prerequisites: C grade or better in 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 have opportunities to research, understand and reflect upon visual art works in cultural and historical contexts.

Content

- Students produce one folio that documents their visual learning, in support of their two works of art or design
- Students produce two practicals
- Students prepare two written statements for each practical. (maximum of 500 words each)
- Students produce one Visual Study

Assessment Components

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

Additional Information

This is an ATAR subject.

Leads to further tertiary studies at both University and TAFE.



Cross-disciplinary

BUSINESS INNOVATION

Length: Year (20 SACE credits)

Prerequisites: Nil, but experience with Business Innovation at Stage 1 would be an advantage

Course Description

Students 'learn through doing', using design thinking and assumption-based planning processes to anticipate, find, and solve problems. Students work collaboratively, learn to innovate, and think like designers in uncertain environments to identify problems or customer needs, generate and explore ideas and solutions in a business environment, and make decisions based on incomplete information. Students engage with complex, dynamic, real-world problems, to identify and design, test, iterate, and communicate viable business solutions. Students develop, understand and apply their critical and creative thinking skills. They are equipped with the knowledge, skills, and understandings to engage in designing, sustaining, and transforming business.

Content

- Students extend their understanding of business concepts, including the nature and structure of business, key business functions, forms of ownership, and legal responsibilities. They explore and analyse opportunities presented by digital and emerging technologies.
- Students learn to innovate and think like designers to find and solve problems that matter to specific people in a business environment influenced by change and uncertainty.

Assessment Components

- Business Skills (40%)
- Business Model (30%)
- Business Plan and Pitch (30%).

Additional Information

This is an ATAR subject.

INFORMATION PROCESSING AND PUBLISHING (IPP)

Length: Year (20 SACE credits)

Prerequisites: Nil

Course Description

Students study information technology systems, software and hardware for desktop publishing purposes. This subject focusses on the application of practical skills to provide creative solutions to text-based communication tasks, using imagination and creativity to make proposals and choices. They use the design process to apply problem-solving, critical-thinking, and decision-making skills. Students develop creative products for publication and critically evaluate the development process. They gain an understanding of the potential of the Adobe Design suite in creating documents for publication. Students are well equipped with software and hardware knowledge and skills, which are applied to design documents.

Content

- ICT issues analysis
- Production and documentation

Assessment Components

- Skills and Applications Assessment (40%)
- Issues Analysis (30%)
- External Assessment (30%).

Additional Information

This is an ATAR subject.

Recommended for students interested in Graphic Design and design pathways.



Cross-disciplinary

WORKPLACE PRACTICES

Length: Year (20 SACE credits)

Prerequisites: Nil

Course Description

Students develop their knowledge and understanding of the nature, type and structure of the workplace, and they learn about important aspects of industrial relations, including Workplace Health & Safety (WHS). Workplace Practices accredits the learning students already do through part-time work, VET, volunteering or caring responsibilities.

Content

- Finding employment
- WHS in the Workplace
- Resume development and applying for work
- Exploring your strengths and potential career pathways

Assessment Components

- Folio Tasks (25%)
- Performance Task (25%)
- Reflections (20%)
- Investigation (30%)

Additional Information

These important transition studies can also be counted as an ATAR subject.



English

ENGLISH

Length: Year (20 SACE credits)

Prerequisites: B grade or better in Stage 1 English

Course Description

This course is designed to expose students to a range of different texts and writing styles. Learning focuses on developing a deep understanding of the ways language is used for a variety of purposes in a range of contexts. Students will be asked to analyse their personal connections with texts as well as the content, structure, language features and author's intention.

Content

- Analysis of novels, drama scripts or live performances
- Analysis of media or advertising texts or films
- Creation of essays, recounts, reflections, reviews
- Creation of speeches or visual/ creative responses

Assessment Components

Assessment tasks may be written, oral or multimodal. Any spoken task must be recorded for moderation purposes.

- 3 Responding to Text tasks (30%),
- 4 Creating Texts tasks (40%)
- 1 externally-assessed Comparative Analysis (30%)

Additional Information

This is an ATAR subject.

Attending live performances may require small financial contributions from students.

ESSENTIAL ENGLISH

Length: Year (20 SACE credits)

Prerequisites: C grade or better in Stage 1 English or Essential English

Course Description

Through this course students will read, respond to, and produce texts. The focus is on the ways in which students use language to establish and maintain effective connections and interactions with people in different contexts. Learning will require students to consider the language used in a range 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 or films
- Creation of essays, recounts, reflections, reviews
- Creation of speeches or visual/creative responses

Assessment Components

Assessment tasks may be written, oral or multimodal. Any spoken task must be recorded for moderation purposes.

- 3 Responding to Text tasks (30%)
- 3 Creating Texts tasks (40%)
- 1 externally-assessed Language Report (30%)

Additional Information

This is an ATAR subject.

Attending live performances may require small financial contributions from students.



HASS

MODERN HISTORY

Length: Year (20 SACE credits)

Prerequisites: B grade or better in Stage 1 Modern History

Course Description

Students investigate the growth of modern nations during a period of rapid change. Students study one nation in depth and the interactions that occur between nations on a global scale. The period of time being studied is primarily in the twentieth century.

Content

The course has two major areas of study, "Modern Nations" where one nation is chosen for intensive investigation - these countries include Australia, the USA, Germany, the Soviet Union and Russia, Indonesia and China. The second part of the course looks at the world since 1945 and the changing world order.

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Assessment Components

Students provide evidence of their learning through seven assessments including the external exam.

Additional Information

This is an ATAR subject.



Health and PE

CHILD STUDIES (INTEGRATED LEARNING)

Length: Year (20 SACE credits)

Prerequisites: Nil, but successful completion of Stage 1 Child Studies would be an advantage

Course Description

This subject allows students to explore key areas of study linked to the SACE capabilities. In this program students will focus on examining the period of childhood from conception to eight years, and issues related to the growth, health, and wellbeing of children.

Content

- Cooking for special needs
- Children's health and nutrition
- Cultures in child care
- Investigate and design a children's story book
- Project of own choice

Assessment Components

- Folio and discussion (20%)
- Group Activity (20%)
- Practical (30%)
- External Project (30%)

Additional Information

This is an ATAR subject.

This subject is suitable for students who are interested in a future career in child care or in teaching.

FOOD AND HOSPITALITY

Length: Year (20 SACE credits)

Prerequisites: Nil, but successful completion of Stage 1 Food and Hospitality would be an advantage

Course Description

Students will develop practical, organisational and research skills. Students work individually and in groups to plan, organise and implement a range of practical activities. Students identify a relevant contemporary issue related to a selected area of study and state this issue as a research question or hypothesis.

Content

- Methods of food selection, preparation and presentation
- Investigate the food and hospitality industry
- Safe handling & storage of foods
- Cultural influences & food trends
- Healthy eating practices
- Effective team skills

Assessment Components

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

Additional Information

This is an ATAR subject.



Health and PE

HEALTH AND WELLBEING

Length: Year (20 SACE credits)

Prerequisites: Nil, but C grade or better in Stage 1 Health or Science subject recommended

Course Description

Students recognise the various factors that shape the behaviour and attitudes of individuals and groups in relation to healthy living. They develop skills to consider how changing social structures, community values, environmental issues, and new technologies affect the health and well-being of individuals and communities.

Content

- The Social and Economic Factors Affecting Health
- Health Promotion in the Community
- Risks and Challenges to Health
- Stress and Health
- First Aid and Applications in Health

Assessment Components

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

Additional Information

This is an ATAR subject.

SPORTS STUDIES (INTEGRATED LEARNING)

Length: Year (20 SACE credits)

Prerequisites: C grade or better in Stage 1 PE or Sports Studies

Course Description

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

Content

- Three sports practicals and a journal about their development
- A group activity (leading a sports session)
- An individual sports related project of the student's choice

Assessment Components

- Sports Practical and Journal (30%)
- Folio and Discussion (20%)
- Group Activity (20%)
- Individual Project - externally moderated (30%)

Additional Information

This is an ATAR subject.



Languages

AUSLAN (CONTINUERS)

Length: Year (20 SACE credits)

Prerequisites: C grade or better in Stage 1 Auslan (Continuers)

Course Description

Throughout this course students will further develop the skills needed for communicating meaningfully and purposely in Auslan, develop and refine 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

- School Assessment: Folio (50%)
- In-depth study (20%)
- External Assessment (30%)

Additional Information

This is an ATAR subject.



Mathematics

ESSENTIAL MATHEMATICS

Length: Year (20 SACE credits)

Prerequisites: B grade or better in 2 semesters of Stage 1 Essential Mathematics, or C grade or better in Stage 1 General 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

- Scales, Plans and Models
- Measurement
- Business Applications
- Statistics
- Investments and Loans

Assessment Components

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

Additional Information

This is an ATAR subject.

Recommended for students interested in a STEM vocational pathway.

GENERAL MATHEMATICS

Length: Year (20 SACE credits)

Prerequisites: B grade or better in 2 semesters of Stage 1 General Mathematics, or C grade or better in Stage 1 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

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

Assessment Components

- Skills and Applications Tasks one per topic (40%)
- Mathematical Investigation (30%)
- External Examination (30%).

Additional Information

This is an ATAR subject.

Recommended for students interested in studying courses at a tertiary level that require a non-specialised background in Mathematics, or a STEM vocational pathway.



Mathematics

MATHEMATICAL METHODS

Length: Year (20 SACE credits)

Prerequisites: B grade or better in 2 semesters of Stage 1 Mathematics 1&2, and C grade or better in Stage 1 Mathematics 3

Course Description

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.

Content

- Further Differentiation and Applications
- Discrete Random Variables
- Integral Calculus
- The logarithmic function
- Continuous Random Variables and the Normal Distribution
- Sampling and Confidence Intervals (3 weeks)

Assessment Components

- Skills and Applications Tasks one per topic (50%)
- Mathematical Investigation (20%)
- External Examination (30%).

Additional Information

This is an ATAR subject.

Can be studied together with Stage 2 Specialist Mathematics as a pathway to engineering, physical science, and laser physics.

SPECIALIST MATHEMATICS

Length: Year (20 SACE credits)

Prerequisites: A grade in Stage 1 Mathematics and Stage 1 Mathematics 3

Course Description

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 mathematical models. It includes the study of functions and calculus.

Content

- Mathematical Induction
- Complex Numbers
- Functions and Sketching Graphs
- Integration Techniques and Applications
- Vectors in Three Dimensions
- Rates of Change and Differential Equations

Assessment Components

- Skills and Applications Tasks (50%)
- Mathematical Investigation (20%)
- External Examination (30%)

Additional Information

This is an ATAR subject.

Course must be taken together with Stage 2 Mathematical Methods. Specialist Mathematics, when studied together with Mathematical Methods, can be a pathway to engineering, physical science, and laser physics.

This course would need to undertaken offsite (e.g. Marden Senior College).



Science

BIOLOGY

Length: Year (20 SACE credits)

Prerequisites: C grade or better in at least one semester of Stage 1 Biology, Chemistry or Psychology. Successful completion of two semesters of Stage 1 Biology 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

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

Assessment Components

- Investigations Folio (30%)
- Skills and Application Tasks (40%)
- External Examination (30%)

Additional Information

This is an ATAR subject.
Recommended for students interested in studying Biology at a tertiary level / STEM pathway.

CHEMISTRY

Length: Year (20 SACE credits)

Prerequisites: C grade or better in 2 semesters of Stage 1 Chemistry

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

- Topic 1: Monitoring the environment
- Topic 2: Managing chemical processes
- Topic 3: Organic and biological chemistry
- Topic 4: Managing resources.

Assessment Components

- Investigations Folio (30%)
- Skills and Application Tasks (40%)
- External Examination (30%)

Additional Information

This is an ATAR subject.
Recommended for students interested in studying Chemistry at a tertiary level / STEM career pathway



Science

PHYSICS

Length: Year (20 SACE credits)

Prerequisites: C grade or better in 2 semesters of Stage 1 Physics

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

- Motion and relativity
- Electricity and magnetism
- Light and atoms

Assessment Components

- Investigations Folio (30%)
- Skills and Application Tasks (40%)
- External Examination (30%)

Additional Information

This is an ATAR subject.

Recommended for students interested in studying Physics at a tertiary level / STEM pathway.

PSYCHOLOGY

Length: Year (20 SACE credits)

Prerequisites: Nil, however at least one semester of Stage 1 Biology or Psychology 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 (compulsory)
- Social Cognition
- Learning
- Personality
- Psychobiology of Altered States of Awareness
- Healthy Minds

Assessment Components

- Investigations Folio (30%)
- Skills and Application Tasks (40%)
- External Examination (30%)

Additional Information

This is an ATAR subject.

Recommended for students interested in studying Psychology at a tertiary level.



Technologies

CAD (COMPUTER AIDED DESIGN)

Length: Year (20 SACE credits)

Prerequisites: C grade or better in Stage 1 CAD

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.
- Production of a folio of their work
- Prototyping of designed products will utilise 3D printing technology
- Analyse products and processes involving real world design problems
- Completed work will be presented in digital format for marking

Assessment Components

- Specialised Skills Tasks (20%)
- Design Process & Solution (50%)
- Resource Study (30%)

Additional Information

This is an ATAR subject.

A fee may apply depending on student project selection.

DIGITAL PHOTOGRAPHY

Length: Year (20 SACE credits)

Prerequisites: Nil, but experience with Photography at Stage 1 would be an advantage

Course Description

Students demonstrate knowledge and skills associated with using Digital Photography as a communication media. They explore technologies in both contemporary and historical settings, and analyse the impacts of this technology on social, environmental issues and sustainability.

Content

- Digital SLR Camera skills, including depth of field and motion photography
- Developing skills in digital imaging software packages
- Developing skills in composing photographs
- Analysing existing products and processes
- Designing, making and evaluating a digital photography product of choice.

Assessment Components

- Specialised Skills Tasks (20%)
- Design Process & Solution (50%)
- Resource Study (30%)

Additional Information

This is an ATAR subject.

A fee may apply depending on student project selection.



Technologies

DIGITAL TECHNOLOGY

Length: Year (20 SACE credits)

Prerequisites: C grade or better in Stage 1 Digital Technology

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 digital solutions or prototypes
- Computational thinking skills
- Make ethical considerations on real world problems
- Work collaboratively with peers to explore digital objectives

Assessment Components

- Project Skills (50%)
- Collaborative Project (20%)
- Individual Digital Solution (30%)

Additional Information

This is an ATAR subject.

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

METALWORK

Length: Year (20 SACE credits)

Prerequisites: Nil, but experience with Metal Engineering at Stage 1 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 resistant material to Australian Standards.

Content

- Construction Technology using metals and machines as medium
- Project Design
- Machining, Welding
- Fitting operations will be incorporated into practical exercises, projects and related to technical research
- Analysing products and processes involving real world design problems
- Safe working practices

Assessment Components

- Specialised Skills Tasks (20%)
- Design Process & Solution (50%)
- Resource Study (30%)

Additional Information

This is an ATAR subject.

Leads to vocational pathways via TAFE and University.

A fee may apply depending on student project selection.



Technologies

WOODWORK

Length: Year (20 SACE credits)

Prerequisites: Nil, but experience with Furniture Construction at Stage 1 would be an advantage

Course Description

Students use a range of manufacturing technologies such as tools, machines, equipment, and/or systems to make useful products. Students demonstrate knowledge and skills associated with using systems, and processes with wood and wood composites.

Content

- Developing skills in using both hand and power tools to manipulate manufactured boards
- Using appropriate joining methods
- Designing, making and evaluating an item of furniture
- Analysing products and processes involving real world design problems
- Applying appropriate hardware and timber finish to the completed article
- Safe working practices

Assessment Components

- Skills and Applications Tasks (20%)
- Product (50%)
- External Assessment: Folio (30%)

Additional Information

This is an ATAR subject.

A fee may apply depending on student project selection.