



Avenues College

CURRICULUM INFORMATION 2021

Year 10 Subject Selections

THE ARTS: VISUAL ARTS (SEMESTER OR FULL YEAR)

Course Description

Learning in Visual Arts involves students making and responding to artworks, drawing on the world as a source of ideas. Students engage with the knowledge of visual arts, develop skills, techniques and processes, and use materials as they explore a range of forms, styles and contexts. With the discretion of the teacher the student may undertake one year of study.

Content

- Drawing
- Painting
- Printmaking
- Design

Assessment Components : Practical Skills (60%), Folio and Theory Tasks (40%)

Additional Information

Pre-Requisite: Completed a Semester of Art in Year 9.

It is strongly recommended students study at least 1 semester of Art in Year 10 before choosing Stage 1 Art.

THE ARTS: MUSIC (SEMESTER OR FULL YEAR)

Course Description

Learning in Music involves listening, performing and composing music. Students learn about the elements of music. Aural skills are the particular listening skills students develop to identify and interpret the elements of music. Students learn a variety of techniques directly related to their chosen instrument during class time. With the discretion of the teacher the student may undertake one year of study.

Content

- Perform as a soloist & ensemble member
- Develop and apply skills in sound recording via studio
- Introduction to multi track recording and record 1 or 2 songs for college CD
- Perform in a class band and participate in school concerts, college assemblies and end of year Music showcase
- Use "ACID" music software to create their own compositions SIBELIUS, PROTOOLS, AUDACITY

Assessment Components : Practical (80%), Theory and Homework Tasks (20%)

Additional Information

Must have completed Year 9 Music (1 or 2 semesters).

It is strongly recommended students study at least 1 semester of Music in Year 10 before choosing Stage 1 Music.

THE ARTS: MEDIA ARTS (SEMESTER OR FULL YEAR)

Course Description

In Media Arts, students learn to clarify, intensify and interpret human experience through representations in images, sounds and text. Students engage with communications technologies and cross-disciplinary art forms to design, produce, distribute and interact with a range of print, audio, screen-based or hybrid artworks. It involves students making and responding to media arts independently and in small groups. With the discretion of the teacher the student may undertake one year of study.

Content

- Digital Art & Design / Web Design
- Video Production / Filmmaking
- Digital Photography and Image Manipulation
- Advertising / Interactive Media
- Use of the Adobe Master Collection

Assessment Components : Practical Skills (60%), Folio and Theory Tasks (40%)

Additional Information

This leads to Stage 1 Media Studies & Stage 1 Creative Arts.

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

ENGLISH (FULL YEAR)

Course Description

Through their study of English, students will continue to improve their ability to control and use the English language in a wide variety of contexts, in increasingly complex ways. Throughout the year students will explore the three strands of the Australian Curriculum English: Literacy, Language and Literature.

Content may include but is not limited to

- Writing: Persuasive Arguments, Recount, Narrative, Connected Texts
- Studying: Novels, Poetry, Film

Assessment Components : Tasks will fall into either of two categories, Responding to Texts or Creating Texts. Within each category students may be required to undertake written tasks, oral/multimodal presentations and/or visual/creative tasks.

Additional Information

This subject is compulsory for a full year.

HASS: HISTORY (SEMESTER)

Course Description

This course focuses on modern history with a focus on Australia and its connections to the world. It focuses on events from 1918 to the present day. By developing critical thinking skills, greater understanding of historical concepts and research skills students will gain an appreciation for the past and how it connects to their future. Students who select to study History for two semesters can negotiate an area of study in the second semester.

Content

- World War Two (1939-1945)
- Human Rights (1945-Present)
- Popular Culture (1945-Present)
- Environmental Movement (1960-Present)
- Migration Experiences (1945-Present)

Assessment Components : Historical Essays/Explanations, Source Analysis, Research/Investigations.

Additional Information

This course is compulsory for one semester.

HASS: GEOGRAPHY (SEMESTER)

Course Description

Through a study of Geography students will develop a greater understanding of the physical world, the challenges facing us in the 21st century and strategies for managing change. The topics studied allow students to investigate case studies from Australia and around the world. Second Semester topics are negotiated.

Content

- Environmental Change and Management
- Geographies of Human Wellbeing

Assessment Components : Essays/Explanations, Source Analysis, Research/Investigations, Reports.

Additional Information

This course is not compulsory. Students wishing to study Geography at Stage 1 (Year 11) should select Year 10 Geography in order to develop the necessary skills.

MATHS (FULL YEAR)

Course Description

This course has been written in accordance with the requirements of the Australian Curriculum. Students have the opportunity to further explore and develop the Mathematical concepts studied in Years 8 and 9 and to develop an understanding of how mathematics and numeracy connect to their future.

Content

- Number and Algebra
- Linear and non-linear relationships
- Financial Mathematics
- Pythagoras Theorem and Trigonometry
- Geometric Similarity
- Statistics and Probability

Assessment Components : Students will be engaged in a range of assessment tasks designed to demonstrate their achievement against the Mathematical Performance Standards for Year 10 in the domains of Knowledge and Understanding, Problem Solving and Modelling, Communication and Mathematical Reasoning.

Additional Information

A two semester Mathematics course allowing students to make an informed choice of Mathematical study for Stage 1

MATHEMATICS EXTENSION (SEMESTER)

Course Description

This course has been written in accordance with the requirements of the Australian Curriculum Mathematics 10A course. It is designed to help students develop skills and interest in mathematics, reinforcing and extending problem solving, algebraic manipulation and the use of technology in mathematics.

Content

- Non-linear relationships and Logarithms
- Polynomials, Algebra and Quadratics
- Financial mathematics and Surds
- Measurement & Geometry
- Advanced trigonometry
- Statistics

Assessment Components : Students will be engaged in a range of assessment tasks designed to demonstrate their achievement against the Mathematical Performance Standards for Year 10 in the domains of Knowledge and Understanding, Problem Solving and Modelling, Communication and Mathematical Reasoning.

Additional Information

Only offered as a semester course. A two semester Mathematics course allowing students to make an informed choice of

SCIENCE (FULL YEAR)

Course Description

This course has been written in accordance with the requirements of the Australian Curriculum. Students have the opportunity to further explore and develop the Scientific concepts studied in Years 8 & 9 and to develop an understanding of how science and technology connects to their future.

Content

- Genes, DNA, Natural Selection
- Atomic Theory
- Motion & The Universe
- Rates of Chemical Reactions
- Energy Transformations
- Earth Systems

Assessment Components : Students will be engaged in a range of assessment tasks designed to demonstrate their achievement against the Science Performance Standards for Year 10 in the domains of Knowledge and Understanding, Science Inquiry, Science as a Human Endeavour.

Additional Information

Two semester general Science course allowing students to make an informed choice of Specialist Science courses to study at Stage 1

SCIENCE EXTENSION (SEMESTER)

Course Description

Science Extension builds on the Year 10 Science course and is designed to help students develop and extend laboratory manipulation skills by growing biofuel, and exploring solutions to current issues through practical and project work.

Content

- Laboratory and science manipulation skills A
- Laboratory and science manipulation skills B
- Investigation and Project A
- Investigation and Project B

Assessment Components : Students will be engaged in a range of assessment tasks designed to demonstrate their achievement against the Science Performance Standards for Year 10 in the domains of Knowledge and Understanding, Science Inquiry, Science as a Human Endeavour.

Additional Information

Only offered as a semester course. Recommended for students interested in SACE Science courses/ STEM pathway

PHYSICAL EDUCATION (SEMESTER or FULL YEAR)

Course Description

This course is designed to expose students to a range of sport and recreation activities to promote future physical activity. Students will complete an Outdoor Education theory unit with the opportunity to go on an overnight camp to Kuitpo Forest.

Content

- Fitness
- Outdoor Education theory unit
- Sport skills
- Overnight camp to Kuitpo Forest
- Recreation activities

Assessment Components : Practical involvement (70%), Theory based on promotion of recreation pursuits (30%)

Additional Information

Students who select Physical Education can also select PE Extension if they have achieved an A or B in Year 9 Physical Education. Students are precluded from choosing more than two semesters of PE/PE Extension at year 10.

PHYSICAL EDUCATION EXTENSION (SEMESTER or FULL YEAR)

Course Description

This course is suited to students who aim to continue with Physical Education in year 11 and 12. Students will participate in a range of sports. Focus will be on skill development, tactics and game awareness. Theory will aim to prepare students for senior school Physical Education.

Content

- Fitness
- Leadership and initiative activities
- Sport skills
- Theory: Coaching Skills
- Game skills - tactics

Assessment Components : Practical based on skill checklists (70%), Theory (30%)

Additional Information

Prerequisites: Students must have achieved an A or B in Year 9 Physical Education. Students are precluded from choosing more than two semesters of PE/PE Extension at year 10.

TECHNOLOGIES: PHOTOGRAPHY (SEMESTER)

Course Description

This course introduces the use of digital cameras and their capabilities. Students will learn to capture images in varying light conditions, portraiture work, theme interpretations and on location assignments. Adobe Photoshop will be used to edit and enhance images taken. A firm understanding of composition skills and planning processes required when working on photographic assignments will be emphasised.

Content

- Camera skills and terminology
- Photographic themes and styles
- Composition
- Digital enhancement and manipulation

Assessment Components : Skills Tasks (30%), Major Product & Folio (70%)

Additional Information

Leads to Stage 1 Photography, Stage 2 Photography.
Supports students taking Stage 1 and Stage 2 Art.

TECHNOLOGIES: INDUSTRIAL CAD (SEMESTER)

Course Description

Students will utilise current Computer Aided Design software to produce 2D and 3D drawings to industry drawing standards. Students will design, prototype and create designed products.

Content

- Produce 3D models using Autodesk Inventor
- Place and constrain parts & exploded views of an Assembly Model
- Create simple and compound projected and revolved parts
- Use CNC and Additive manufacturing technologies to produce designed products
- Create and print part drawings to AS1100 Drawing Standards

Assessment Components : Skills Tasks (30%), Major Product and Folio (70%)

Additional Information

Leads to Stage 1 Industrial CAD. This course will benefit students undertaking further study in all Technologies' subjects and VET Pathways at Stage 1 and Stage 2 levels.

TECHNOLOGIES: ELECTRONICS (SEMESTER)

Course Description

Students will examine electrical and electronic principles and discover how electronic systems work together to provide communications, entertainment and control of domestic and industrial processes. A significant aspect of the course is hands-on circuit construction where students will develop and modify operating electronic circuits through problem-solving, mounting and soldering components and connections. The opportunity to use electronic products designed by the student will occur when collecting data. This will happen in relation to the technology Aquaponics set up. Student will monitor pH, humidity and water levels using electronic system.

Content

- Component identification
- Fault finding
- Soldering
- Completion of a major project
- Simulating and Prototyping

Assessment Components : Skills Tasks (30%), Major Product & Folio (70%)

Additional Information

Leads to Vocational Pathways via TAFE and University.

TECHNOLOGIES: HUMAN POWERED VEHICLES ENGINEERING (PEDAL PRIX) (SEMESTER)

Course Description

This course is designed to allow students to apply design skills to a real world engineering task based around the design and construction of a human powered vehicle which will race in the Pedal Prix racing series. They also will be responsible for the marketing of Pedal Prix, planning and running of fundraisers, organisation of documentation for race day.

Content

- Design principles / Pedal Prix vehicles
- Materials and Applications
- STEM concepts
- Metalwork skills, including tube bending, welding and machining
- Gearing systems
- Marketing

Assessment Components : Practical (70%), Product Record/Folio (30%)

Additional Information

This course will assist students who wish to undertake Stage 1 & 2 Metal Engineering.

TECHNOLOGIES: DIGITAL TECHNOLOGY (SEMESTER)

Course Description

This course aims to develop creative and innovative problem solving. Students will analyse problems, design and create solutions and evaluate their outcomes. Students use specialist robotics equipment, implement modular programs, apply selected algorithms and data structures to real world problems.

Content

- Collaborate using online platforms
- Programming/coding
- Analysing meaningful data
- Maintain system security/integrity
- Create digital content /systems
- Produce innovative solutions

Assessment Components : Skills & Application Tasks (40%), Folio (40%), Presentation(20%)

Additional Information

Leads to the new Stage 1 Digital Technologies course.

TECHNOLOGIES: METAL TECHNOLOGY (SEMESTER)

Course Description

This course is designed to expand on the skills, knowledge and processes taught in Year 9 Metal technology. Basic processes such as MIG welding and machining skills form a significant part of the course with a focus on the use of suitable power and hand tools. Student skills are developed around the construction of a number of projects.

Content may include but is not limited to

- Oxy acetylene welding techniques
- Cutting, bending and shaping of metal
- Basic lathe operations
- Use of the milling machine
- Cutting threads with taps and dies

Assessment Components : Skills Tasks (30%), Major Product & Folio (70%)

Additional Information

Leads to Stage 1 Metal Engineering.

TECHNOLOGIES: WOOD TECHNOLOGY (SEMESTER)

Course Description

Wood Technology students will design and construct a furniture piece that will utilise skills and knowledge delivered during this semester course.

Content

- Developing, making and evaluating a product
- Static machine/power tool operation
- CAD Drawing
- Analysing products and processes involving real world design problems.
- Safe working procedures
- Finishing and staining operations

Assessment Components : Skills Task (30%), Major Product & Folio (70%)

Additional Information

Leads to stage 1 Furniture Construction

TECHNOLOGIES: INTRODUCTION TO CHILD STUDIES (SEMESTER)

Course Description

This unit covers the changing needs of a child from conception to school age.

Content

- Conception and genetic issues
- Pregnancy and becoming a parent
- Child development and play
- Constructing a toy/learning aid
- Child safety
- Nutrition and food for children

Assessment Components : The course includes visits to child care centres.

Additional Information

Leads to Stage 1 & 2 Child Studies.

TECHNOLOGIES: FOOD TECHNOLOGY (SEMESTER or FULL YEAR)

Course Description

Students will develop their understanding of kitchen safety, hygiene, nutrition, technology, food preparation and presentation. Students use the Design Model to investigate, plan and make their own dishes.

Content

- Work in a socially diverse environment
- Food safety and hygiene
- Providing a link between Kitchen and Front of House service area
- Organising, preparing and presenting food
- Developing knowledge and skills in cooking (catering focus)
- Menu planning

Assessment Components : Practical Tasks and Investigations.

Additional Information

Leads to Stage 1 Food and Hospitality A & B or supports students wishing to pursue VET Hospitality courses.

LANGUAGES: AUSLAN (FULL YEAR)

Course Description

Students will continue to develop and consolidate their skills to communicate with Auslan users and develop an awareness of the Deaf community, identity and culture. They will reinforce their skills and knowledge of fingerspelling and Auslan grammar while building their overall sign knowledge. Students will also have opportunities to use their Auslan knowledge and skills in the community.

Content

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

Assessment Components : Assessment will depend on the class structure however will include the following assessment types: Signed assessment in pairs or small groups, individual signed assessment, analysis of a signed piece, investigation/ research.

Additional Information

This course leads to Stage 1 Auslan (continuers).

CROSS DISCIPLINARY: INTEGRATED LEARNING: PEER SUPPORT (SEMESTER)

Course Description

Integrated Learning allows students to explore key areas of study linked to the SACE capabilities. In this program students will focus on developing their understanding of the concepts of leadership and peer support.

Content

- Participating in a variety of programs to support Year 8 students transition to High School
- Participating in a variety of programs focused on developing teamwork, communication and leadership skills
- Leading a project based on building resilience
- Application process required to be accepted into this course
- Year 8 camp (not compulsory)

Assessment Components : Folio and discussion (30%), Practical (40%), Group Activity (30%)

Additional Information

Additional selection criteria may apply if numbers exceed places. This is a SACE Stage 1 subject worth 10 credits.

CROSS DISCIPLINARY: PERSONAL LEARNING PLAN (PLP) (SEMESTER)

Course Description

Through the Personal Learning Plan students extend the journey of exploring, planning and developing their personal and learning goals leading to informed decision making about their future education and training.

Content

- Identify, explore, and develop personal and learning goals, and strategies to achieve them
- Capability development
- Resumes / career development
- Work Experience
- Work, Health and Safety

Assessment Components : Folio (70%), Review (30%)

Additional Information

The Personal Learning plan must be completed in Year 10. This is a compulsory SACE subject worth 10 credits.