



ALFRED DEAKIN HIGH SCHOOL

Year 9 & 10

**COURSE INFORMATION
for
ELECTIVE SUBJECTS**

2017

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Dear Students,

This booklet includes information about the units available to you in 2017.

You will need to study a full year of:

ENGLISH
MATHS
HaSS
SCIENCE
PHYSICAL EDUCATION and HEALTH



and **EIGHT semester units** from the Arts and Technology, Languages, LEAN Maths or Science electives over Years 9 and 10.

Year 9		Year 10	
Semester 1	Semester 2	Semester 1	Semester 2
English	English	English	English
Maths	Maths	Maths	Maths
Science	Science	Science	Science
HaSS	HaSS	HaSS	HaSS
Physical Education	Physical Education	Physical Education	Physical Education
Elective 1	Elective 3	Elective 5	Elective 6
Elective 2	Elective 4	Elective 7	Elective 8

Voluntary Contributions

The School Board has suggested that the voluntary contributions listed against each unit will directly support the educational programs and activities provided by the school. Voluntary contributions may be made in full, in part or by instalments. The contributions listed in this handbook reflect the current amount approved for each course and the School Board may support slight increases in 2016. If you are suffering financial hardship please contact the Principal who may be able to provide support through the Student Support Fund.

2016 ELECTIVE UNITS

THE ARTS AND TECHNOLOGY

Computer Aided Design Architecture

CAD 2D/3D
CAD Architecture
CAD Extension

CAD Gaming and Animation
CAD Projects

Dance

Dance Explorations
Dance Styles

Dance Production
Dance on Stage and Screen

Design Technology Metalwork

Metal Work 1
Metal Work 3

Metal Work 2
Metal Work 4

Design Technology Wood

Furniture Making 1
Furniture Making 2

Wood Construction 1
Wood Construction 2

Digital Media

Pop Culture
Documentary and Film Making
Stop Frame Animation

Film Production
Advanced Media Project

Digital Photography

Digital Photography Foundations
Digital Photography Lighting
Digital Photography Exhibitions

Digital Photography Projects
Digital Photography Publications 1
Digital Photography Publications 2

Drama

The Essence of Drama
Acting Styles and Skills
Unicorn Performing Arts (*)

Make a Statement
Theatre Production

Information Technology

Web Design
Digital Technologies
Applied Programming

Graphic Design
Fundamentals in Programming
Stop Frame Animation

Music

Musicianship and Practice
Music Industry
Symphony Orchestra (*)

Music Performance
Song Writing and Composition

Textiles

Fashion and Textile Design 1
Fashion and Textile Design 3

Fashion and Textiles Design 2
Fashion and Textiles Design 4

Visual Art

Painting and Drawing
Ceramics and Drawing
Digital Visual Art

Printmaking and Drawing
Advanced Art Projects
Unicorn Visual Art (*)

LANGUAGES

French

French 1
French 3

French 2
French 4

Indonesian

Indonesian 1
Indonesian 3

Indonesian 2
Indonesian 4

Japanese

Japanese 1
Japanese 3

Japanese 2
Japanese 4

Italian

Italian 1
Italian 3

Italian 2
Italian 4

LIFESTYLE EDUCATION AND NUTRITION

Outdoor Education
Advanced Outdoor Education

Sports Coaching
Sports Science

Nutrition and Food Studies

Introduction to Food Studies
Creative Cooking
Hospitality

International Cuisine
Teen Cuisine

MATHEMATICS

Maths Ready

Introduction to College Mathematics

SCIENCE

Introduction to College Science

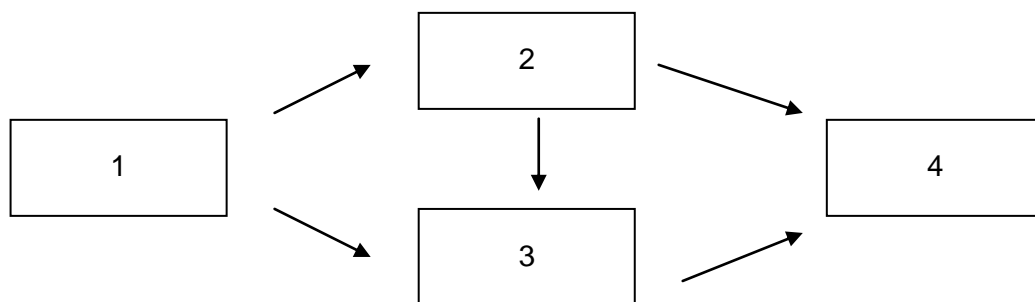
Horticulture

Introduction to Horticulture
Sustainable Horticulture 2
Projects in Horticulture

Sustainable Horticulture 1
Animal Studies

(*) indicates acceptance into the course is via an application process

HOW TO READ THE UNIT STRUCTURE DIAGRAM



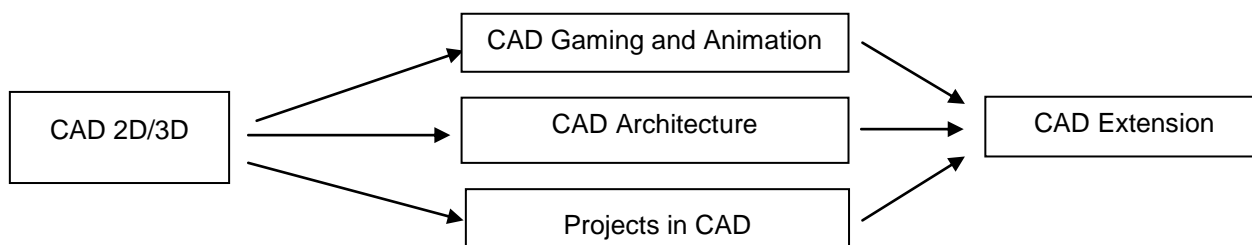
To study 2 or 3 you must have successfully completed 1.

To study 4 you must have successfully completed 1 as well as either 2 or 3.

THE ARTS AND TECHNOLOGY

COURSE DESCRIPTIONS

Course: COMPUTER AIDED DESIGN ARCHITECTURE
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Unit Title: **CAD 2D/3D**
Unit Length: Semester
Prerequisite: Nil

Description: This is a foundation unit for all of the units offering Computer Aided Design using the industry standard AutoCAD program. In this unit, students learn the basics necessary to manipulate and use this program. This is achieved by undertaking numerous drawings in two and three dimensions, using the x, y & z coordinates. These include: circles, structured lines, centre lines, dimensioning, texts, arcs, curves and tangents; as well as creating and the manipulation of solid objects. At the end of this unit, drawings are undertaken to present orthographic and isometric projections.

2016 Contribution: \$25.00

Unit Title: **CAD ARCHITECTURE**
Unit Length: Semester
Prerequisite: CAD 2D/3D

Description: Students integrate what they have learned in the previous units to answer set design briefs. Students are required to answer a brief of designing bus shelter for use at the school and design and developing their own house design using 3D techniques. Students follow the brief as closely as possible by presenting their work in an A3 folio. Such design work is a creative expression of a student's own ideas and feelings about a solution to a set problem/need/issue. If time permits, model making is also undertaken.

2016 Contribution: \$25.00

Unit Title: **CAD GAMING AND ANIMATION**
Unit Length: Semester
Prerequisite: CAD 2D/3D preferred

Description: In this unit, students explore in greater depth more advanced concepts in 3D Modelling and discover digital game development and animation. Students will develop their skills to create a basic digital game, including the characters, environment of the game and the animation required. Topics covered include: creating objects, applying materials, lighting and other required visual effects. This unit offers students the opportunity to explore CAD and 3D modelling in a variety of contexts.

2016 Contribution: \$25.00

Unit Title: PROJECTS IN CAD
Unit Length: Semester
Prerequisite: CAD 2D/3D preferred

Description: Students develop their skills in CAD technologies further by acquiring skills in modelling for external technologies such as the 3D printer. In this unit students will investigate and develop skills in making models with parts and preparing them for production. They will be exposed to considerations such as mass production and modelling to meet the specifications of a 3D printer and production machines. The end result will see a sound understanding of product design and prototyping, mechanical object, sketches/concepts and 3D printed pieces.

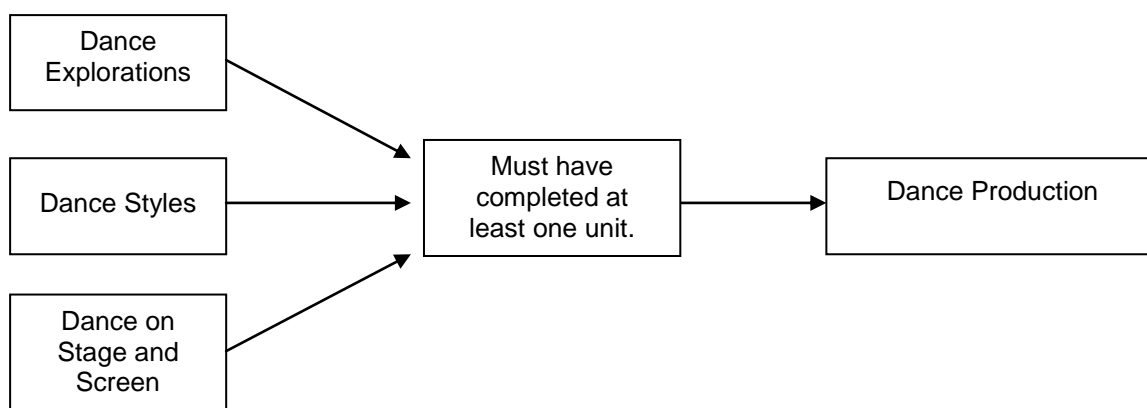
2016 Contribution: \$25.00

Unit Title: CAD EXTENSION
Unit Length: Semester
Prerequisite: Some Previous CAD Units

Description: Students expand on their knowledge gained in CAD technologies. CAD technologies are sequential learning systems enabling the student to undertake and gain experience in further tools allowing them to create and manipulate objects. Students negotiate their projects to develop their interests and focus by expanding their knowledge for real world applications. Students explore and experiment with the tools of the program. They use the software to manipulate and create a specific outcome for their project.

2016 Contribution: \$25.00

Course: DANCE



Unit Title: DANCE EXPLORATIONS
Unit Length: Semester
Prerequisite: Nil

Description: In this unit students learn to improvise, develop movement motifs and manipulate the elements of dance in order to develop choreography that communicates intent. Students learn to select choreographic devices and form as well as production elements appropriate to their choreographic intent. Students enhance their safe dance practice, technical and expressive skills during class activities and performances. Students reflect on and evaluate the dances they view and perform. In-particular, students identify how successfully a piece of choreography or dancer communicates meaning. Students have numerous opportunities to create and perform dance including a class work for the 'Step Into The Limelight' creative and performing arts showcase.

2016 Contribution: \$6.00

Unit Title: DANCE STYLES
Unit Length: Semester
Prerequisite: Nil

Description: Students further their interest and skill in dance by exploring and investigating the cultural and historical context of various dance techniques and styles, as well as participating in style and technique classes. Students build on their dance style-specific movement skills, technique and body awareness to increase confidence and performance quality. Students investigate the elements of dance and choreographic devices by composing and performing style-specific dance pieces. Students extend their understanding of safe dance practice with a particular focus on dance warm ups and the musculoskeletal system. Students participate in student and teacher directed activities and exercises and have the opportunity to perform to a variety of audiences at lunch-time concerts, school assemblies and on the Sydney Dance Tour excursion.

2016 Contribution: \$6.00

Unit Title: DANCE ON STAGE AND SCREEN
Unit Length: Semester
Prerequisite: Nil

Description: In this unit students work alongside their teacher and senior students to create and rehearse a dance piece to be performed at the Ausdance ACT Youth Dance Festival. Students are guided through a collaborative choreographic process in which they must improvise, choreograph and structure movement as individuals, small groups and as an entire class. Students learn to interpret the movements and demonstrate personal style, as well as maintain technique, in dance performance. Students understanding of the elements of dance and choreographic practice are further enhanced by choreographing, filming and editing movement to create a dance film, as well as analysing their own and others dance works on stage and on film.

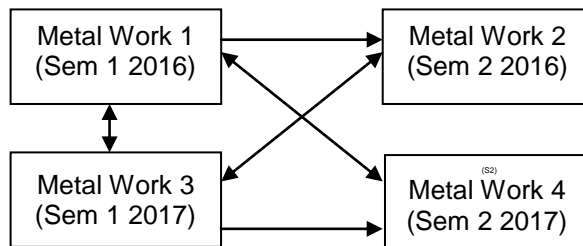
2016 Contribution: \$6.00

Unit Title: DANCE PRODUCTION
Unit Length: Semester
Prerequisite: Must have completed at least one of the following:
Dance on Stage and Screen, Dance Styles and/or Dance Explorations

Description: In this unit, students develop creativity, leadership skill, teamwork and a deeper understanding of choreography and performance. They take full responsibility for producing a dance piece for the Ausdance ACT Youth Dance Festival from initial concepts to stage production. Each student takes on a production role (Director, Choreographer, Producer, Costume Designer, Lighting Designer, Hair and Make-Up Artist, Publicist, etc) in order to produce a unified dance work for stage. Students analyse how the elements of dance, performance quality and production elements enhance and support choreographic intent and connect to audiences. Students develop technical and performance skills by performing in a professional venue and viewing other dance performers. Students also produce solo and duo dance works to be performed at assemblies and graduation celebrations.

2016 Contribution: \$6.00

Course: DESIGN TECHNOLOGY METALWORK

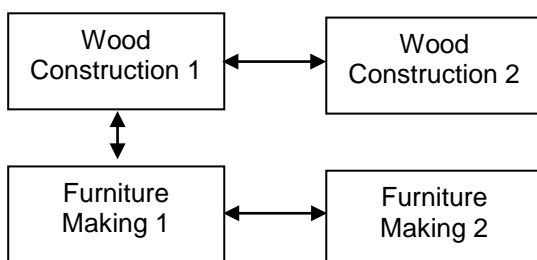


Unit Title: METAL WORK 1/ 2/ 3/ 4
Unit Length: Semester
Prerequisite: Nil – These units are not sequential; students will select Metal Work and then be placed in the appropriate unit.

Description: In the context of metals and metalworking processes, students explore the factors that impact on technologies used to produce specific products, services and environments. When producing designed solutions, students evaluate the features of metal technologies and apply them appropriately. Students create a product using metals and metal technologies, based on a need or opportunity. They establish criteria for success, including sustainability considerations, and use these to evaluate their ideas, final design and construction processes. Students communicate and document their project, including marketing for a range of audiences. They independently and collaboratively apply sequenced production and management plans when producing their project, making adjustments to plans when necessary. They select and use appropriate technologies skilfully and safely to produce a high-quality project that meets their original design brief.

2016 Contribution: \$35.00

Course: DESIGN TECHNOLOGY WOODWORK



Unit Title: FURNITURE MAKING 1 and 2
Unit Length: Semester 1
Prerequisite: Nil

Description: This unit is a fundamental wood unit and is designed to enhance and challenge existing skills in furniture design. Students will negotiate projects with a focus on modern construction techniques such as lamination and mass production. Sketching and technical drawing skills using ICT will be required to communicate ideas in a design folio and detailed workshop plans and activity logs are also a component of learning. Projects may include: small furniture items including tables, chairs, stools and other household objects.

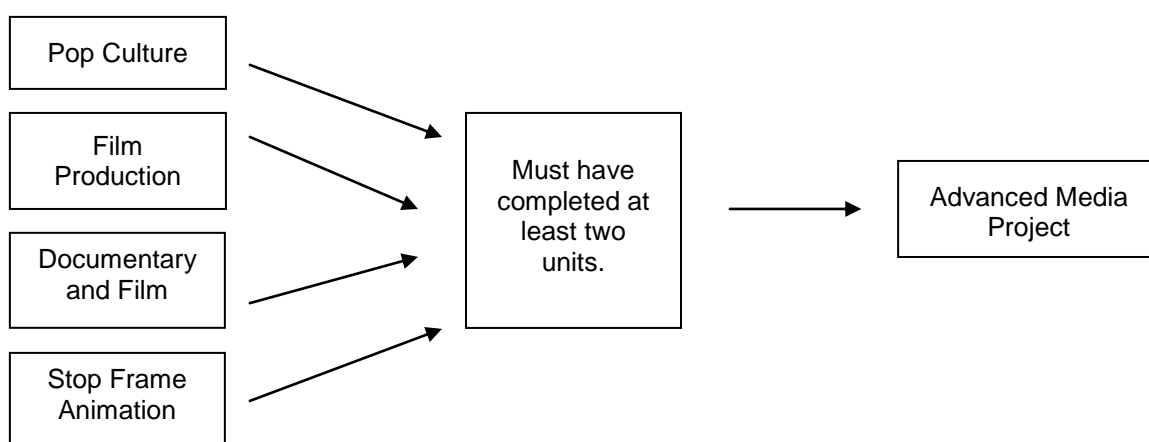
2016 Contribution: \$40.00

Unit Title: WOOD CONSTRUCTION 1 and 2
Unit Length: Semester 2
Prerequisite: Nil

Description: This unit challenges students in the use of timber and selected construction techniques. This unit focuses on joints, fixings and joinery techniques and the application of these techniques. Students negotiate projects that demand a high level of knowledge, skills and commitment, with a focus and incorporation of joinery design. Technical drawing and project management skills using ICT will be required to communicate ideas in a design folio, including detailed workshop plans and activity logs. Projects may include: table, drawer unit and other small household objects.

2016 Contribution: \$40.00

Course: DIGITAL MEDIA



Unit Title: POP CULTURE
Unit Length: Semester
Prerequisite: Nil

Description: This course enables students to develop an understanding of the history and development of Popular Culture. They identify, examine and analyse how social and cultural values and points of view are represented in media artworks depicting pop culture. This course allows students time to evaluate: genre, technical codes, symbolic elements and conventions of media artworks and how it influences the masses. Students plan, script and produce representations that communicate alternative points of view suitable for a general audience. They will focus on a particular aspect of pop culture and develop a creative response on their topic. Students maintain safety in the use of technologies and the interactions with others; developing ethical practices and considering regulatory issues. They learn to value, respect and reflect on the creative works of others while they collaboratively apply design, production and distribution processes.

2016 Contribution: \$30.00

Unit Title: FILM PRODUCTION
Unit Length: Semester
Prerequisite: Nil

Description: This course enables students to develop an understanding of the history and development of film technology. They identify and analyse film genres and examine how social and cultural values and points of view are represented. Film Production allows students time to evaluate: genre, technical codes, symbolic elements and conventions of film. Students plan,

script and produce representations that communicate alternative points of view suitable for a general audience. They will focus on a particular aspect of film for an analytical presentation. Students maintain safety in the use of technologies and the interactions with others; developing ethical practices and considering regulatory issues. They learn to value, respect and reflect on the creative works of others while they collaboratively apply design, production and distribution processes.

2016 Contribution: \$30.00

Unit Title: DOCUMENTARY AND FILM MAKING
Unit Length: Semester
Prerequisite: Nil

Description: Often, stories of real life people, subjects or events can be every bit as interesting as created narrative. Documentary Production presents students with the opportunity to present a story of a subject they identify, examine and analyse. This course allows students time to evaluate: documentary genre, technical codes, symbolic elements and conventions of media artworks. Practical skills will include; background researching, recording field audio and video, setup and recording of formal interview, filming event footage and researching source material. Students maintain safety in the use of technologies and the interactions with others; developing ethical practices and considering regulatory issues. They learn to value, respect and reflect on the creative works of others while they collaboratively apply design, production and distribution processes.

2016 Contribution: \$30.00

Unit Title: STOP FRAME ANIMATION
Unit Length: Semester
Prerequisite: Nil

Description: This course enables students to develop an understanding of the history and development of animation. Animation production allows students time to evaluate: genre, technical codes, symbolic elements and conventions of Stop Frame Animation. Students plan, script and produce representations that communicate personal points of view suitable for a general audience. They will focus on a particular aspect of animation for an analytical presentation. Students maintain safety in the use of technologies and the interactions with others; developing ethical practices and considering regulatory issues. They learn to value, respect and reflect on the creative works of others while they collaboratively apply design, production and distribution processes.

2016 Contribution: \$30.00

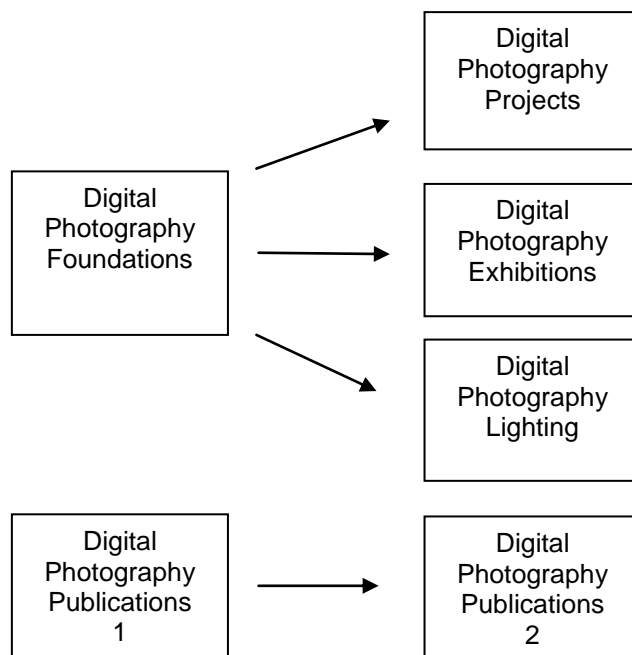
Unit Title: ADVANCED MEDIA PROJECTS
Unit Length: Semester
Prerequisite: Must have completed at least two of the following:
Pop Culture, Film Production, Stop Frame Animation or Radio & TV

Description: Advanced Media Projects is available to students who have completed two media subjects and who wish to extend their knowledge and skills in planning, designing, producing and distributing their media artworks. Students need to be self-motivated and be prepared to experiment using the manual controls on the DSLR cameras focusing on lighting design and depth of field in their filming and possible use of the Green Screen for special effects. Their editing skills will incorporate Premier Pro and After Effects. Students will follow the guidelines of Tropfest, the largest film festival in Australia and planning must suit the deadlines required by this festival. Student's work may be submitted for consideration in this festival. In addition it is expected that students work will be presented in The Alfies and school events. In this extension

course students learn to value, respect and reflect on the creative works of others while they collaboratively apply design, production and distribution processes building on their understandings from previous media courses.

Contribution: \$30.00

Course: DIGITAL PHOTOGRAPHY



Unit Title: DIGITAL PHOTOGRAPHY FOUNDATIONS
Unit Length: Semester
Prerequisite: Nil

Description: Students apply knowledge to design, produce and evaluate a number of graphic solutions using photographic tools and related techniques. They select and use digital image making technologies such as cameras, and Adobe Photoshop software to investigate, generate and communicate their ideas in an online blog. Students work individually and collaboratively to apply critical thinking and decision making skills to creatively present ideas for a range of projects. In a practical setting they identify appropriate image making equipment, techniques and safety procedures for working as a photographer and explore the use of photography in society.

2016 Contribution: \$30.00

Unit Title: DIGITAL PHOTOGRAPHY PROJECTS
Unit Length: Semester
Prerequisite: Digital Photography Foundations

Description: Students analyse how social and cultural values and alternative points of view are portrayed in the media (photography) artworks they make, interact with and distribute. They evaluate how genre and media conventions along with technical and symbolic elements are manipulated to make representations and meaning. They evaluate how social, institutional and ethical issues influence the making and use of media artworks. Students produce representations that communicate alternative points of view in media artworks for different community and institutional contexts. They manipulate genre and media conventions and integrate and shape the

technical and symbolic elements for specific purposes, meaning and style. They collaboratively apply design, production and distribution processes.

2016 Contribution: \$30.00

Unit Title: **DIGITAL PHOTOGRAPHY LIGHTING**
Unit Length: Semester
Prerequisite: Digital Photography Foundations

Description: In this unit, students will build on prior studio experience to apply new skills and knowledge of digital photography and create a folio of high quality work. Students will study light in great detail and be expected to use the manual settings on a digital camera to control exposure. The unit will focus on studio lighting and its influence on portrait photography as well as the use of natural lighting to record landscapes. A digital journal will be used to organise research, develop ideas and establish plans for photographic projects. Excursions may be organised for students to access specific locations designed to inspire and realise their ideas. A digital portfolio of quality work will be maintained by students and opportunities for exhibiting work around the school and beyond will be created for the class to showcase their skills and ideas.

2016 Contribution: \$30.00

Unit Title: **DIGITAL PHOTOGRAPHY EXHIBITIONS**
Unit Length: Semester
Prerequisite: Digital Photography Foundations

Description: Students evaluate how representations communicate artistic intentions in photographic artworks they make and view. They evaluate photographic artworks from different cultures, times and places. They analyse connections between visual conventions, practices and viewpoints that represent their own and others' ideas. They identify influences of other photographers and artists on their own photographic artworks. Students use cameras and image manipulation software to practice the techniques and processes necessary to present their ideas. Students will create a digital portfolio of images based on activities completed in class and select a number of photographic artworks for display in an end of semester exhibition.

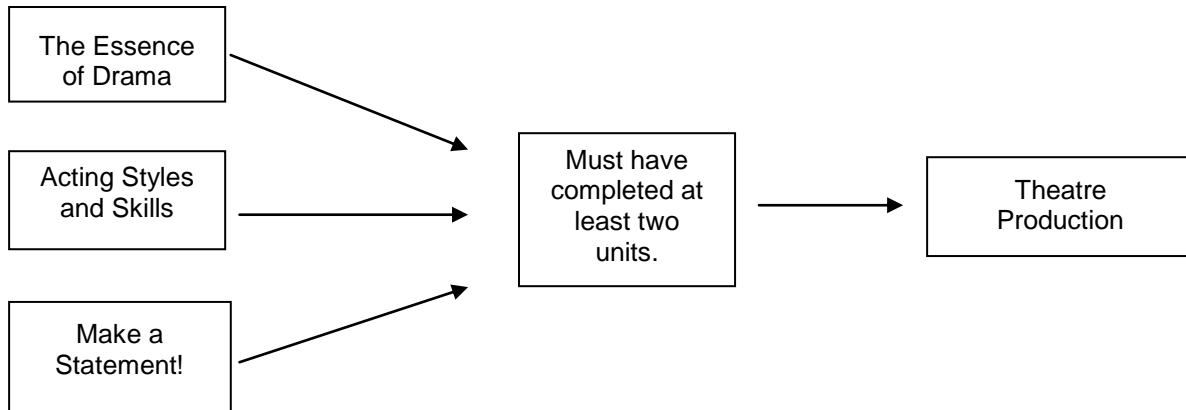
2016 Contribution: \$40.00

Unit Title: **DIGITAL PHOTOGRAPHY PUBLICATIONS 1 & 2**
Unit Length: Semester
Prerequisite: Nil

Description: Students analyse how social and cultural values and alternative points of view are portrayed in media publications. They evaluate genre, media conventions, technical and symbolic elements and show how they are manipulated in media artworks to give meaning. Students will use their knowledge of conventions and symbols to create publications that communicate specific information for different community and institutional contexts. They collaboratively apply design, production and distribution processes to deliver authentic projects such as the School Yearbook, Athletics Carnival and Theatre Programs.

2016 Contribution: \$10.00

Course: DRAMA



Unit Title: THE ESSENCE OF DRAMA
Unit Length: Semester
Prerequisite: Nil

Description: This unit introduces students to the origins of drama and the styles, skills and techniques that have developed the theatre as we know it today. Students will explore Ancient Greek theatre Commedia Dell’Arte, Mask, Elizabethan drama, Realism and Stanislavski, Brecht, and Post-Modern Theatre. Students will consider the influences of this style on contemporary performance. Students will perform drama in a variety of styles, in a range of performance settings, for different audiences.

2016 Contribution: \$7.00

Unit Title: ACTING STYLES AND SKILLS
Unit Length: Semester
Prerequisite: Nil

Description: This unit will develop students’ skills in dramatic performance and their understanding of the differences in acting techniques for a range of performance styles. Students will experiment with the exaggeration and physicalisation required for Mime Performance, Melodrama and Slapstick. They will explore Physical Theatre, Theatre of Cruelty, Musical Theatre, Acting for the Screen, Absurdism; and they will consider current styles of acting and draw their own conclusions about modern acting styles and influences. Students will develop their skills both as an individual performer and collaborate to create group performances. They will perform improvised, scripted and student devised drama for a variety of audiences.

2016 Contribution: \$7.00

Unit Title: MAKE A STATEMENT
Unit Length: Semester
Prerequisite: Nil

Description: In this unit students will develop their drama and acting skills through creating their own theatre pieces. Students will use the power of theatre as a communication mode to make strong statements about contemporary issues. Students will develop performances in the style of Street Theatre, Political and Protest Theatre. Students will be provided with opportunities to develop their skills individually, in small groups and as a class. A variety of performance and audience settings will also be explored.

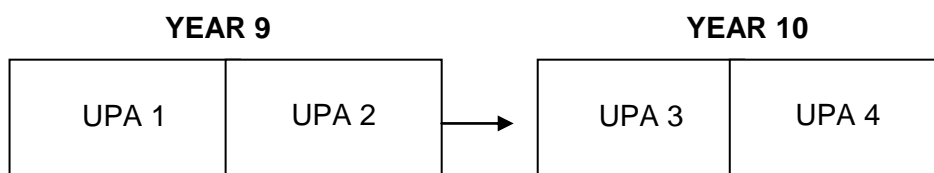
2016 Contribution: \$7.00

Unit Title: THEATRE PRODUCTION
Unit Length: Semester
Prerequisite: Must have completed 2 out of the following 4 units:
Year 8 Drama, The Essence of Drama, Acting Styles and Skills and/or Make a Statement

Description: This course is designed to develop students' performance skills through the rehearsal, development and performance of a full-length script. Students will discuss and improvise ideas, research themes, develop narrative structures and create characters. Students will also take on the different roles within the theatre (Actor, Director, Stage Manager, Designer and Media Officer) to create a polished play which they will perform for the Alfred Deakin Community.

2016 Contribution: \$7.00

Unit Title: UNICORN PERFORMING ARTS (UPA)



Unit Length: Year
Prerequisite: Application process

Description: UPA is a class designed for students who have strong skills in the performing arts. Students entering Year 9 or 10 have the opportunity to audition to be a part of this team, which forms the core of many of the school's performance projects throughout the year. Time in class is devoted to project work - both large-scale productions and small group or individual projects. Students who wish to join this team must audition in two arts forms – dance, drama, music, alternative performance, or production/design. Each year semester one is devoted to the creation, rehearsal and performance of a major class production. In semester two students are challenged to extend and expand their skill set through individual and group challenges, they also take on a leadership role in the whole school Arts Event 'AAA'.

2016 Contribution: \$25.00

Course: INFORMATION TECHNOLOGY
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Unit Title: **DIGITAL TECHNOLOGIES**
Unit Length: Semester
Prerequisite: Nil

Description: Students are presented with opportunities to understand authoring concepts used in digital technology (multimedia) environments. Student work covers concepts including multimedia programming, interactive elements and scripting techniques, media types and their control and object-oriented authoring for multimedia objects. In this course students are exposed to the achievement standards of both the Digital Technologies and Arts National Australian curriculum. Projects students undertake include media types, java script - drawing and animation scripting and a comparative video review examining emerging technologies.

2016 Contribution: \$20.00

Unit Title: **WEB DESIGN**
Unit Length: Semester
Prerequisite: Nil

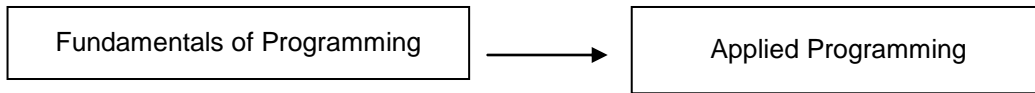
Description: Students evaluate website quality, create and maintain quality web pages, web design standards and to create and manipulate images. Students' progress from introductory work to creating their own projects which will provide students with real world experiences that meet industry standards. An emphasis is placed on design theory principles once this foundation is established, students learn the basics of Hypertext Markup Language 5 (HTML5), with a focus on document structure and content, Cascading Styles Sheets (CSS) and images. Students are introduced to a variety of graphic design skills, effective use of web authoring tools and client side scripting and quality control. Students create a variety of projects which meet current industry standards and cement their knowledge in design theory principles.

2016 Contribution: \$20.00

Unit Title: **GRAPHIC DESIGN**
Unit Length: Semester
Prerequisite: Nil

Description: This unit introduces students to Graphic Design, tools, environments and materials. Students will explore how people interact with information systems and take into consideration issues that are relevant to the application and use of information technologies across a range of computer-based systems. The unit focuses on the design processes, particularly the think, create and appraise processes, with emphasis on design and layout of digital materials for delivery via a range of new digital media visual outputs. Students also explore visual information as a marriage of technology, theory and practice, communications systems and information services, and provide students with an understanding of issues affecting the field of graphic design and the rapid spread of information through the use of existing and emerging information technologies such as gaming.

2016 Contribution: \$20.00



Unit Title: **FUNDAMENTALS OF PROGRAMMING**
Unit Length: Semester
Prerequisite: Nil

Description: Students create animations, computer games and interactive projects. Scratch is used as a graphical programming language to learn fundamental programming concepts such as variables, loops, conditional statements, and event handling. Scratch allows students to create games, tell stories using computer code encouraging them to think creatively. The unit covers Problem analysis, algorithm development, simple design techniques, object-oriented programming, and data types. Students are introduced to the study of a contemporary programming language.

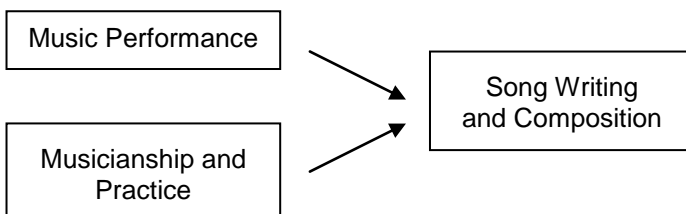
2016 Contribution: \$20.00

Unit Title: **APPLIED PROGRAMMING**
Unit Length: Semester
Prerequisite: Fundamentals of Programming

Description: This unit enhances and develops the student's ability to design, implement and maintain complex programs utilising software development methodology. It builds on the basic programming techniques that introduced in fundamentals of programming and offers an introduction to the implementation of complex real-world programs. Students examine systems such as compilers and interpreters, drawing packages, database systems and games. The unit allows students to expand their current knowledge of Python and become acquainted with another programming language within the procedural-object oriented paradigm, such as C++ or one of its cousins. The unit also brings together core programming knowledge and software engineering context. It establishes the implementation and use of data structures such as search trees, hash structures, graphs and graph algorithms.

2016 Contribution: \$20.00

Course: MUSIC



Unit Title: **MUSICIANSHIP AND PRACTICE**
Unit Length: Semester
Prerequisite: Nil

Description: The course provides an overview of music history from Antiquity to Classical Era. Students will learn about different historical eras and artistic movements, composers and instruments. Students will listen to and analyse various musical works representing different eras of musical development. Students will study music theory at their own individual level in

conjunction with aural training. They will also learn the fundamentals of music composition and they will have the opportunity to write their own compositions in different styles. Students will have the opportunity to improve their practical skills on instrument of their choice or voice, and perform their pieces in a class concert and/or assembly and/or other public performances.

2016 Contribution: \$12.00

Unit Title: **MUSIC PERFORMANCE**
Unit Length: Semester
Prerequisite: Nil

Description: In this course students will have the opportunity to improve their practical skills on instruments of their choice or voice, and perform their pieces in a class concert and/or assembly and/or other public performances. The music history component of this course will focus on the music of the Romantic Era and 20th Century. Students will learn about these different historical eras and artistic movements, composers and instruments. Students will listen to and analyse various musical works representing these eras of musical development. Students will study music theory at their own individual level in conjunction with aural training. They will also learn the fundamentals of music composition and they will have the opportunity to write their own compositions in different styles.

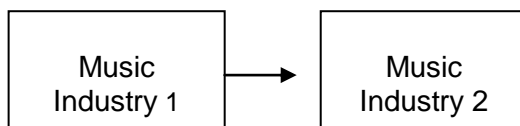
2016 Contribution: \$12.00

Unit Title: **SONG WRITING AND PERFORMANCE**
Unit Length: Semester
Prerequisite: Musicianship and Practice or Music Performance

Description: Students will learn about song writing and composition techniques and processes, and will have the opportunity to apply this knowledge in writing and performing their own songs and compositions. Students will also study the history of Rock Music from 1955 - 2009, and World Music and the significance of music in other cultures. There is a practical component of the unit where students are expected to show proficiency and progress in the instrument of their choice, and to participate in performance opportunities as part of their assessment. There are also theoretical and aural components of the unit.

2016 Contribution: \$12.00

Unit Title: **MUSIC INDUSTRY**



Unit Title: **MUSIC INDUSTRY 1 (Digital Music Production and Studio Recording)**
Unit Length: Semester
Prerequisite: Nil

Description: In this unit, students will learn to write, record and produce music using digital technology. Students will record their live music in a variety of studio settings using recording equipment such as microphones, stands, cables, amplifiers, reflection and pop filters, as well as industry standard recording software such as ProTools and Logic Pro. They will learn how to edit, mix, compress and master their own recordings. Students will learn how to sound-proof and sound-treat a room for recording purposes. Students will also learn how to amplify live

performances using Public Address system. Students will gain basic knowledge of acoustics and psychoacoustics. Students will learn about different digital composition styles, such as music for film, TV, games, apps, dance and how these can be used in the music industry.

2016 Contribution: \$35.00

Unit Title: **MUSIC INDUSTRY 2 (Digital Music Production and Studio Recording)**

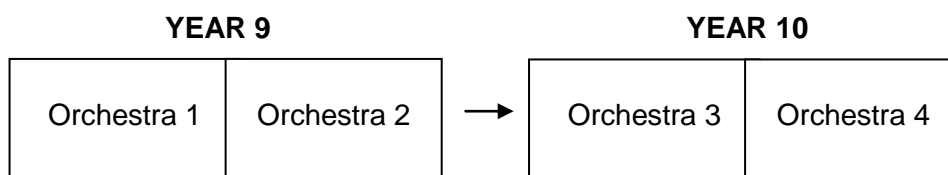
Unit Length: Semester

Prerequisite: Music Industry 1

Description: In this unit, students will continue writing, recording and producing music using digital technology. Students will record live music in a variety of studio settings using recording equipment including microphones, stands, cables, amplifiers, reflection and pop filters, as well as industry standard recording software such as ProTools and LogicPro. Students will gain more new advanced techniques and skills in editing, mixing, compressing and mastering their own recordings. Students will continue learning about different digital composition styles, such as music for film, TV, games, apps, dance, etc. and how these can be used in the music industry.

2016 Contribution: \$35.00

Unit Title: **SYMPHONY ORCHESTRA**



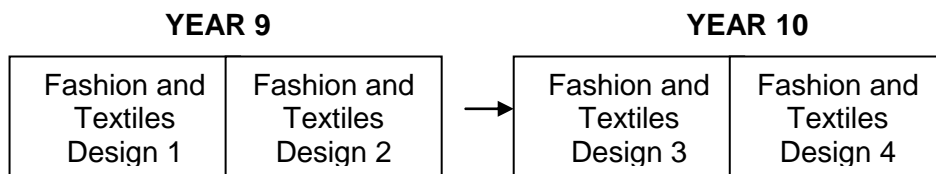
Unit Length: Year

Prerequisite: Application process

Description: The course provides an overview of music history from Antiquity to Baroque. Students will learn about different historical eras and artistic movements, composers and instruments. Students listen to and analyse various musical works representing different eras of musical development. These pieces also form a part of their orchestral repertoire. Students study fundamental music theory in conjunction with aural training. They learn the fundamentals of music composition, instrumentation, music form and conducting. Students learn how to play together as an orchestra, how the different sections work, the role of the conductor, and what the expected orchestral etiquette entails. As members of the orchestra, students have the opportunity to practise their performing skills on chosen instrument(s) in regular rehearsals, and perform as a group at assemblies, orchestral competitions/festivals locally and interstate and participate at various public performances.

2016 Contribution: \$35.00

Course: TEXTILES

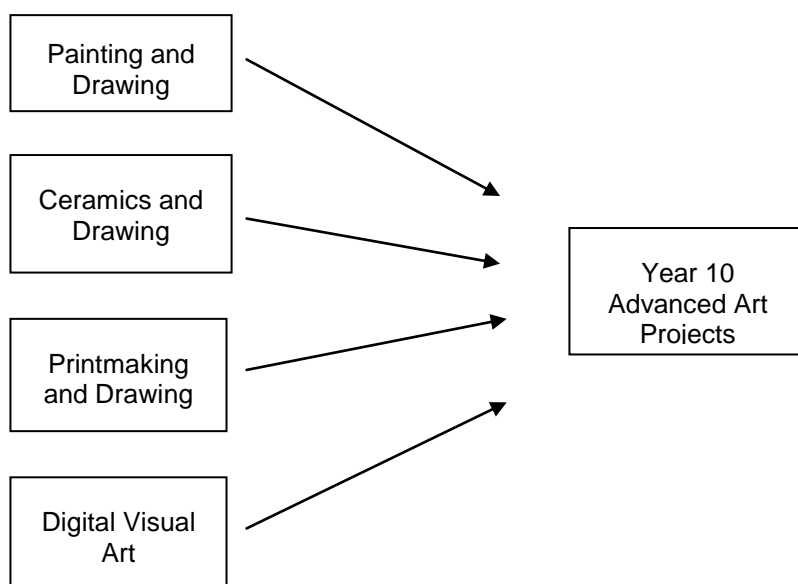


Unit Title: FASHION AND TEXTILES DESIGN
Unit Length: Semester
Prerequisite: Nil

Description: In Fashion and Textiles Design students are given the opportunity to develop their skills and understanding of textile techniques, and processes based on their individual ability when entering the class. This will enable students to develop and further improve their hand and machine sewing skills along with how to use either basic or intermediate commercial patterns to make garments. Students will have the opportunity to adapt and draft patterns commensurate with their skill level. Students will be presented with design briefs which they will solve by making their choice of garment. They will investigate the properties of fabric with consideration for ethics and sustainability. Students may use new, or reuse and recycle fabric to produce textile items. Students are required to document their ideas and processes and demonstrate skills and techniques. They will be asked to evaluate, appraise, model and present their work. Each student produces a textile item as part of community service.

2016 Contribution: \$30.00

Course: VISUAL ART



Unit Title: PAINTING AND DRAWING
Unit Length: Semester
Prerequisite: Nil

Description: Students explore and investigate materials through critical selection and manipulation of a range of media and technologies. They focus on painting and drawing mediums, with an emphasis on personal achievement for each of the tasks to encourage the production of artwork at the best of their ability. Students are introduced to a range of techniques and skills which may include watercolour, acrylic, oil and gouache paint. The development of

drawing skills is an integral part of producing a drawing portfolio and is the basis of all artworks. Students look at the various approaches artists have taken throughout art history to enhance their own practice. Students explore different techniques in each of these painting and drawing areas to produce both minor and major works exploring various themes. Students reflect on their own work and the work of others through conversation and in their Visual or Digital Diary.

2016 Contribution: \$30.00

Unit Title: CERAMICS AND DRAWING
Unit Length: Semester
Prerequisite: Nil

Description: In this course students focus on developing their skills and techniques with ceramics and drawing mediums. Students are introduced to techniques and skills in the areas of coil, pinch pot, mould, slab and wheel construction. The development of drawing skills is an integral part of producing major and minor works. Students look at various approaches artists have taken throughout Art History to enhance their own practice. Students explore different techniques and produce major works exploring various themes. For the study of Art History students become familiar with artists from the past and present, both Australian and International, for ideas on technique and for inspiration. Emphasis is on the development of their ideas through their Visual Arts Process Diary (VAPD) and to extend their visual literacy.

2016 Contribution: \$30.00

Unit Title: PRINTMAKING AND DRAWING
Unit Length: Semester
Prerequisite: Nil

Description: In this unit students explore and investigate materials through critical selection and manipulation of a range of media and technologies focusing on printmaking and drawing mediums, with an emphasis on personal engagement in the tasks and producing artwork to the best of their ability. Students are introduced to a range of printmaking techniques and skills which may include relief prints, monoprint, drypoint, screen and lino printing. The development of drawing skills is an integral part of any artwork and they will produce a drawing portfolio to enhance their ability to communicate ideas and plan artworks. Students look at the various approaches artists have taken throughout art history to enhance their own practice. Students explore different techniques in each of these printmaking and drawing areas to produce both minor and major works exploring various themes. Students reflect on their own work and the work of others in their Visual Diary.

2016 Contribution: \$30.00

Unit Title: DIGITAL VISUAL ART
Unit Length: Semester
Prerequisite: Nil

Description: The Digital Visual Art course is designed to develop and extend student skills and abilities using a digital format to create works of art. The course is based on visual art conventions, techniques and processes. Students will be asked to complete a process diary, tutorials to develop skills, communicate intentions and evaluate and analyse both their own and others artwork. They will select and analyse different styles of digital art from both an historical and cultural viewpoint. The course is student directed to allow for flexible learning and to enable students to work at their own pace and level of ability. Students will be asked to document their progress and choose the best way to present their work to an audience.

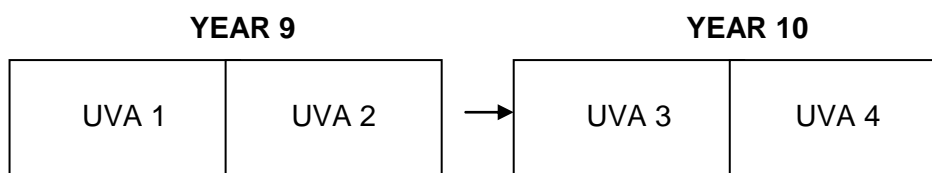
2016 Contribution: \$20.00

Unit Title: Year 10 ADVANCED ART PROJECTS
Unit Length: Semester
Prerequisite: Painting and Drawing, Ceramics and Drawing, Digital Visual Art and/or Printmaking and Drawing

Description: This unit is designed for students who wish to extend their Visual Art practice and are motivated to produce self-directed art works. They continue to develop skills in planning, resourcing, research and creating artworks based on chosen themes. This unit allows students to specify areas they are particularly interested in which may include painting, drawing, printmaking and/or ceramics. For the study of Art History students explore artists from the past and present, both Australian and International, for ideas and for inspiration. Opportunities for students to attend various galleries are presented throughout the semester. Emphasis is on the development of their ideas through their Visual Arts process Diary (VAPD) and to extend their visual literacy.

2016 Contribution: \$30.00

Unit Title: UNICORN VISUAL ART



Unit Length: Year
Prerequisite: Application process

Description: Entrance to Unicorn Visual Art is through presentation of a portfolio. There is a higher expectation of students striving to produce artwork demonstrating sophisticated artistic skills and techniques in UVA. Students will explore three major art-making areas - painting, drawing and ceramics as a foundation for further study of Visual Art. Students will work on a series of projects to develop their knowledge and skills for the making of artworks that explore their ideas and imaginings. In the painting unit, students will develop an understanding of the theory of colour and different painting techniques. They will be exposed to ways artists have approached art-making through the history of art and develop an understanding of their techniques. In the drawing unit, students will develop an understanding of basic mark-making and tone and perspective will also be covered. In ceramics, students will develop hand-building skills and knowledge to create their own ceramic piece. For both major and minor works, students will explore artists from the past and present, both Australian and international, for ideas on technique and for inspiration. Opportunities for students to attend various galleries will be presented throughout the semester. The unit caters for both students who are interested in a future career in the Arts and for those who just want to develop art skills for enjoyment. Emphasis will be on the development of their ideas through their Visual Arts Process Diary (VAPD) and to extend their visual literacy.

2016 Contribution: \$35.00

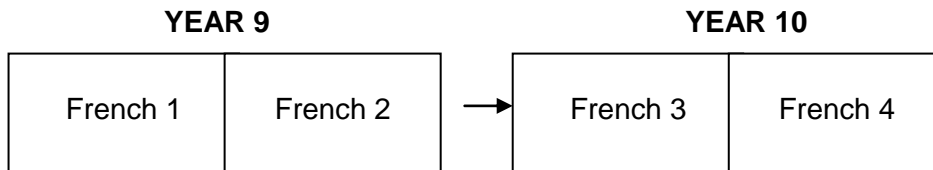
LANGUAGES

GUIDELINES

Students can continue to study a language in Years 9 and 10. The sequential nature of language study requires that students choose a language elective for a full year.

COURSE DESCRIPTIONS

Course: FRENCH

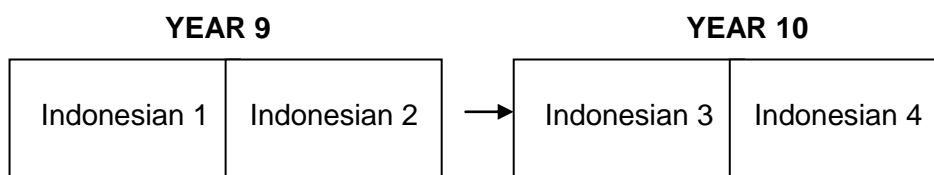


Unit Length: Year
Prerequisite: Year 8 French

Description: Students use written and spoken French to interact with peers, teachers and other French speakers in local contexts and online environments. They communicate about immediate and personal interests and involvements and some broader social and cultural issues. They recognise and approximate rhythms and intonation patterns of extended and compound sentences, using more complex syllable combinations, and building fluency and accuracy in pronunciation, pitch and stress. They access and manage information from different print, digital and community sources, and communicate own views and experiences in wider forums using different modes of presentation. They use expressive and descriptive vocabulary to talk about feelings and experiences, and participate in individual and collaborative imaginative and performative experiences for a range of purposes (socialising, entertaining, persuading). They use French to analyse and reflect as well as to narrate and describe, and match modes of presentation to context and intended audience. They create bilingual texts (guides, event commentaries, cultural glossaries), and interpret texts and observed interactions in terms of cultural practices and comparisons. Students notice and explore language and cultural differences, recognising the validity of different perspectives, and making comparisons across languages, drawing from texts which relate to familiar routines and daily life.

2016 Contribution: \$10.00 per year

Course: INDONESIAN

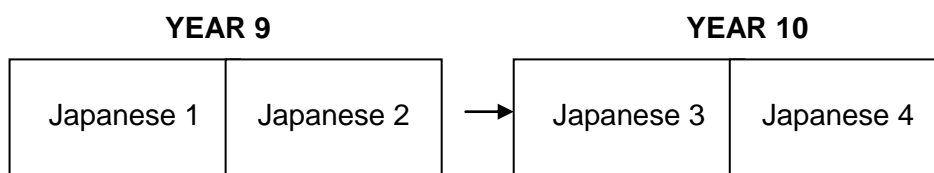


Unit Length: Year
Prerequisite: Year 8 Indonesian

Description: Students use written and spoken Indonesian to communicate about personal interests and relationships, practices and experiences, and broader issues such as health, the environment and geography, including as they relate to Indonesia. They respond to and create personal, informational and imaginative texts for a range of purposes. They participate in oral presentations, correspondence and dialogues, using rehearsed and spontaneous language, exchanging facts, ideas and opinions using questions. In speaking, learners interact with peers and adults using Indonesian conventions of pronunciation, stress and rhythm in a range of sentences. They recognise key textual features, such as salutations, sequence, persuasive and emotive language, and use these to understand and create texts. Learners are aware that their own cultural assumptions and identity influence their language use and how they interact and may be perceived in intercultural exchanges.

2016 Contribution: \$10.00 per year

Course: JAPANESE



Unit Length: Year
Prerequisite: Year 8 Japanese

Description: Students understand, participate in, respond to and create a variety of informative and imaginative Japanese texts about experiences and interactions involving self, family and friends, relationships and routines, school and future aspirations, as well as wider topics of interest to adolescent learners such as leisure, entertainment, sports, travel, fashion, music and hobbies. Students use Japanese for everyday social interactions and for learning activities, expressing their feelings using adjectives, making connections and comparisons between own experience and opinions and others', and analysing and evaluating information. They respond to questions asked by the teacher or peers with the information required, adding own opinions with some elaborations in simple, coordinative and some complex structures. They initiate and sustain conversations using a range of communication strategies, such as asking for additional explanation or clarification. Students analyse and select required information and ideas from texts on contexts related to their real and imagined experiences in their personal, school and local communities. They infer from textual context meanings of words and expressions less familiar but relevant to them, and create their own texts to convey information and ideas in oral, written or digital modes for different purposes, audiences and familiar contexts, in culturally appropriate ways.

2016 Contribution: \$10.00 per year

Course: ITALIAN

YEAR 9

Italian 1	Italian 2
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YEAR 10

Italian 3	Italian 4
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Unit Length: Year
Prerequisite: Year 8 Italian

Description: Students use spoken and written Italian to interact in a range of personal and social contexts. They choose appropriate language to communicate in formal and familiar situations. They respond to and create simple informational and imaginative texts. They use contextual clues, questioning and bilingual dictionaries to identify, interpret and summarise the meaning of familiar and some unfamiliar language. They ask questions and seek clarification. Students create cohesive and coherent texts for different purposes on a range of familiar topics, using appropriate language structures and vocabulary. Students understand and use metalanguage to explain aspects of language and culture. They are aware that language is chosen to reflect contexts of situation and culture; of differences between standard, dialect and regional forms of Italian; of the impact of technology and media on communication and language forms; of the mutual influence between Italian and English; and of the inter-relationship of language and culture. They recognise that languages do not always translate directly.

2016 Contribution: \$10.00 per year

LIFESTYLE EDUCATION AND NUTRITION

GUIDELINES

Physical Education and Health is a compulsory course. All students must complete four semesters of Physical Education and Health. For those students selected, the Panthers (boys) or Elements (girls) program **replaces Physical Education and Health**.

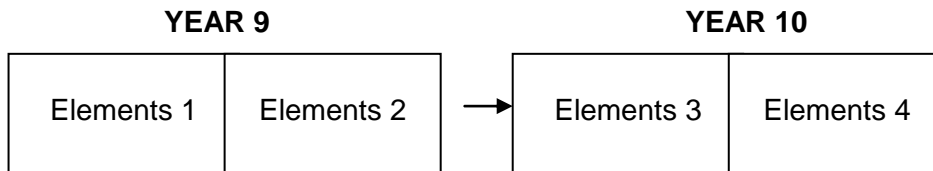
In addition to Physical Education and Health, students may choose to study a maximum of two PE elective units that are semester length:

Sports Coaching
Sports Science

Outdoor Education (*)
Advanced Outdoor Education (*)

(*) indicates acceptance into the course is via an application process.

Course: ELEMENTS <i>Educating Leading Empowering Motivating and Encouraging Needs Through Sport</i>
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Unit Length: Students are expected to choose the Elements program for the year
Prerequisite: Application process

Description: The ELEMENTS program provides an opportunity for girls to develop leadership and personal development through sport. This program includes theory and practical lessons with an emphasis on leadership, teamwork and overall health and wellbeing. Students participate in activities such as interactive workshops, team building, community service, sport, health and fitness. This program provides a foundation for students to build self-confidence and leadership through a range of sporting and educational opportunities.

2016 Contribution: \$6.00

Course: NUTRITION AND FOOD STUDIES
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Unit Title: **INTRODUCTION TO FOOD STUDIES**
Unit Length: Semester
Prerequisite: Nil

Description: Students in this unit have the opportunity to apply knowledge to design, produce and evaluate a number of food items, meals and recipes using a variety of basic cooking techniques. The focus of work is the nutritional needs and requirements of our lifecycle; as well as diets for special needs, allergies and intolerances. Students also discover the hazards of modern eating and research nutrition related health problems. Students work individually and collaboratively to apply critical thinking and decision making skills in the presentation of projects

focussing on the Lifecycle and Diseases of Affluence. In a practical setting they identify and display appropriate techniques and safety procedures in a kitchen environment and evaluate production processes for accuracy, quality, safety and efficiency.

2016 Contribution: \$60.00

Unit Title: **INTERNATIONAL CUISINE**
Unit Length: Semester
Prerequisite: Nil

Description: Students apply knowledge to design, produce and evaluate a number of food items and recipes using a variety of cooking techniques. Students investigate various cultures around the world and their related food products. Students work individually and collaboratively to apply critical thinking, decision making skills, and costing and budgeting to creatively present ideas and products for consumption. Their major projects include: designing a cookbook portfolio and evaluate and present a cultural celebration in a research report, demonstrate their skill in creating a cultural celebration dish. In a practical setting they identify and display appropriate techniques and safety procedures in a kitchen environment and evaluate production processes for accuracy, quality, safety and efficiency.

2016 Contribution: \$60.00

Unit Title: **CREATIVE COOKING**
Unit Length: Semester
Prerequisite: Nil

Description: Students in this unit have the opportunity to apply knowledge to design, produce and evaluate a number of food items, meals and recipes using a variety of basic cooking techniques. Creative Cooking has a focus on creating ingredients rather than using premade ingredients, cooking from a recipe instead of expensive convenience foods, changing a recipe to use foods you have on hand, changing a recipe to make it healthier, and trying new foods. In a practical setting they identify and display appropriate techniques and safety procedures in a kitchen environment and evaluate production processes for accuracy, quality, safety and efficiency.

2016 Contribution: \$60.00

Unit Title: **TEEN CUISINE**
Unit Length: Semester
Prerequisite: Nil

Description: Students in this unit have had the opportunity to apply knowledge to design, produce and evaluate a number of food items and recipes using a variety of cooking techniques. The focus of the work will be on nutritional needs for teenagers and delivering balanced meals within a tight budget. Students will work individually and collaboratively to apply critical thinking, decision making skills, and costing and budgeting to creatively present ideas and products for consumption. Their major projects will include making balanced meals for guests and themselves using seasonal and nutritious ingredients. In a practical setting they will identify and display appropriate techniques and safety procedures in a kitchen environment and evaluate production processes for accuracy, quality, safety and efficiency.

2016 Contribution: \$60.00

Unit Title: HOSPITALITY

Unit Length: Semester

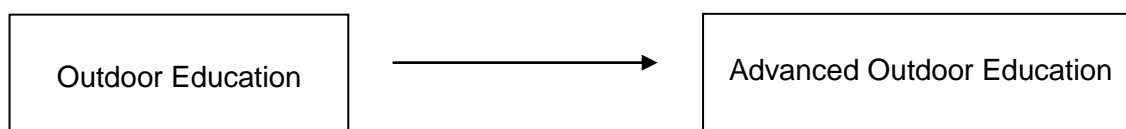
Prerequisite: Nil

All cooking competitions stipulate you must be Year 10 or above, and studying Hospitality, to be able to compete in the competitions

Description: Students examine the dynamic nature of Hospitality. The practical activities focus on serving meals for large groups (buffet lunches); and the melding of tastes and textures of foods to form themed meals. Food preparation and presentation suitable for a range of hospitality establishments are researched and studied in this unit. Topics that students cover include: utilizing local in-season ingredients, table presentation and serving, designing a contemporary three course fine dining menu, running a fine dining restaurant, and creating a contemporary gourmet cake. Students work individually and collaboratively to apply critical thinking, decision making skills, and costing and budgeting to creatively present ideas and products for consumption. In a practical setting they identify and display appropriate techniques and safety procedures in a kitchen environment and evaluate production processes for accuracy, quality, safety and efficiency.

2016 Contribution: \$70.00

Course: OUTDOOR EDUCATION



Unit Title: OUTDOOR EDUCATION

Unit Length: Semester

Prerequisite: Nil

Description: This unit will focus on developing the knowledge and skills of students in a variety of activities based around bushcraft, climbing, navigation, caving, mountain biking, water safety and water activities such as sailing, surfing and sea kayaking. Students will have the opportunity to experience the practical and theory aspects of first aid, swimming and lifesaving. It is recommended that students attend two major camps in the semester. These camps enable the student to put into practice the skills and experiences they have learnt at school. In addition to the above-mentioned activities, students will also participate in minor units of work focusing on developing teamwork and decision-making skills, community service and environmental awareness.

2016 Contribution: \$15.00 (not including camps)

Approximate camp costs:

Caving/Abseiling	\$100 - \$150
Surfing/Snorkelling	\$200 - \$250

Unit Title: ADVANCED OUTDOOR EDUCATION

Unit Length: Year long (year 10 only)

Prerequisite: Outdoor Education

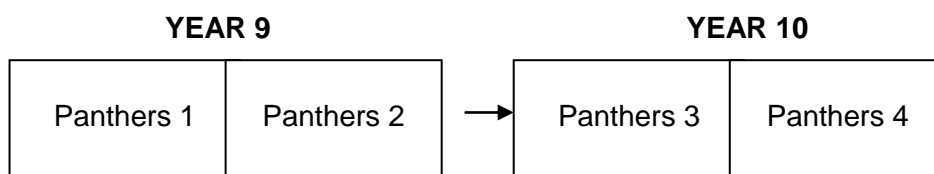
Description: This unit will focus on further developing the knowledge and skills learnt in the Outdoor Education unit. *Students must submit an application in order to be accepted due to limited availability.* Students will participate in a variety of activities based around the aquatic and coastal environment, bush craft, climbing, navigation, xc ski touring, mountain biking and

canyoning with an added emphasis on building resilience and leadership skills. It is recommended that students attend all 4 major camps, one each term. These camps enable the student to put into practice the skills and experiences they have learnt at school. In addition to the above mentioned activities, students will also participate in minor units of work focusing on further developing teamwork and decision making skills, environmental awareness and community service. This unit is only available to Yr 10 students who have completed the Outdoor Education unit in Yr 9.

2016 Contribution: \$15.00 (not including camps)

Approximate camp costs:	Canyoning and Coast	\$250 - \$300
	Bushwalking	\$150 - \$200
	Cross Country Skiing	\$300 - \$350
	Survivor	\$150 - \$200

Course: PANTHERS
Providing for Adolescent Needs Through Health Education Resilience and Sport



Unit Length: Students are expected to choose the Panthers program for the year

Prerequisite: Application process

Description: PANTHERS is a Sports Leadership Program for boys in Year 9/10 that began at ADHS in 2008. The program aims to provide practical opportunities for students to develop and grow as leaders in a range of settings. Students complete SOSE and PE classes as part of the program with a focus on: a practical and engaging curriculum, role modelling, engagement in school through sport (using the ethos of a team all working together) and connecting with the community. Modified assessment is part of the program including goal setting, completion of a creative assignment each semester and participation in Community Service. There are several leadership camps and tours throughout the year, including a combined leadership camp with other ACT High Schools. As this is a selective program, there are high expectations of all students and appropriate standards of behaviour and participation are essential.

2016 Contribution: \$6.00

Course: SPORTS STUDIES

Unit Title: SPORTS COACHING

Unit Length: Semester

Prerequisite: Nil

Description: This course fulfils the Level 1 coaching requirements of the National Coaching Accreditation scheme as set down by the Australian Sports Commission. This course will enable participants to have a better understanding of Coaching techniques including planning, group management, communication and basic coaching principles.

2016 Contribution: \$6.00

Unit Title: **SPORTS SCIENCE**
Unit Length: Semester
Prerequisite: Nil

Description: Sports Science aims to bridge the gap between Year 10 and the Human Movement course offered at senior secondary level. This unit has a high theoretical component (up to 70%). Students will explore the anatomical basis of human movement and analyse sports from a different perspective. Specific topics include; the systems of the body involved in movement (muscular, skeletal, circulatory and nervous systems), fitness testing, basic exercise physiology and an introduction to biomechanics.

2016 Contribution: \$6.00

MATHEMATICS

COURSE DESCRIPTIONS

Course: MATHS READY

Unit Title: **MATHS READY**

Unit Length: Semester

Prerequisite

- Year 9 Maths Extension, or year 9 Core in consultation with their maths teacher and head of Maths.
- Students who desire to improve their skills in Algebra and/or are considering studying a tertiary package in Mathematics at college.

Description: This unit focuses on building a deep understanding of a range of algebraic and trigonometric techniques and applications. This unit extends the ideas covered in the Extension year 10 curriculum and provides students the opportunity to develop greater confidence by providing additional time to study new mathematical concepts. This elective, in addition to the Year 10 Extension course, will provide the prerequisite knowledge and skills that are essential for studying Mathematical Methods and Specialist Mathematics at college. Topics that will be covered include surds, the application of the unit circle and exact values to angles of any magnitude, advanced sketching of functions and advanced algebraic techniques. This unit is targeted specifically at students who are in a year 10 Core or year 10 Extension class, who are considering a tertiary package in mathematics at college.

Contribution: TBA

Course: INTRODUCTION TO COLLEGE MATHEMATICS

Unit Title: **INTRODUCTION TO COLLEGE MATHEMATICS**

Unit Length: Semester

Prerequisite: Students must have done Maths Ready in semester 1 or be in either the 10 Extension class or 10A Extension class.

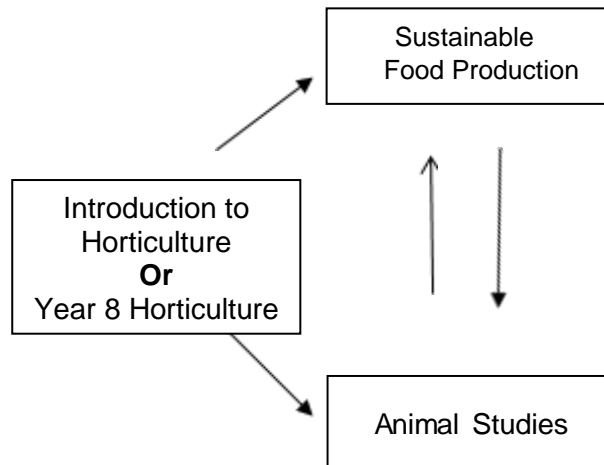
Description: In this unit students will study more complex mathematical concepts, with a focus on preparation of skills and understanding of concepts required to study Mathematical Methods and Specialist Mathematics at college. The topics that are focused on in this unit are ones that students will not otherwise encounter in their high school maths studies, but will be beneficial for students to be familiar with when beginning college maths. These topics include further trigonometry, logarithmic and exponential equations, probability and the binomial theorem, series and sequences, matrices and circle geometry. This elective is targeted specifically at those students who are in the year 10 Extension or 10A classes, or those students in core maths who have completed the semester 1 maths elective, who are undertaking a tertiary package in mathematics at college.

Contribution: TBA

SCIENCE

COURSE DESCRIPTIONS

Course: HORTICULTURE



Unit Title: INTRODUCTION TO HORTICULTURE

Unit Length: Semester

Prerequisite: Nil (**Note: Students cannot study this unit if they have completed the Year 8 Horticulture course**)

Description: This unit is a foundation unit aimed at introducing students to a range of activities that are undertaken in both the classroom and outdoors in our garden area. The topics that we cover include: safety in the garden and tool use, soil testing and preparation, establishment and maintenance of a vegetable garden, plant structure and function, flower function and uses and basic animal husbandry. Students who successfully complete this course will have a working knowledge on the safe and humane handling of animals and will be able to establish and maintain a vegetable garden. Students are encouraged to develop the skills to set up and maintain a home garden.

2016 Contribution: \$20.00

Unit Title: SUSTAINABLE FOOD PRODUCTION

Unit Length: Semester

Prerequisite: Introduction to Horticulture or Year 8 Horticulture

Description: This intermediate unit is aimed at developing student awareness of sustainability in regards to home food production. Students will have the opportunity to manage a garden area in order to produce seasonal vegetables and herbs for the school and their own consumption, based on sustainable growing principles. During this course, students will briefly revise principles from the introductory course on soil testing and safety and tool use before covering topics including seed collection, composting, mulching, vermiculture, companion planting, pruning, weather and irrigation. The overarching ethos of this horticulture unit is to develop the interest, the ability and the confidence within each student to continue with this wonderful avenue of lifelong learning long after they have left school.

2016 Contribution: \$20.00

Unit Title: ANIMAL STUDIES
Unit Length: Semester
Prerequisite: Introduction to Horticulture or Year 8 Horticulture

Description: The students will further their knowledge of animal husbandry with the detailed study of Dairy cattle with the Cows Create Careers program, poultry and aquaponics. Students will be required to study anatomy, physiology, nutrition, pests and diseases, daily care and maintenance requirements, animal welfare and ethics, animal husbandry and animal behaviour, uses, benefits and relevance to the Australian Economy. Students may also grow fodder crops for the school's animals. Other animals which may be studied include horses, sheep, bees, yabbies and worms. Students should develop skills to be confident and safe around animals.

2016 Contribution: \$20.00

Course: INTRODUCTION TO COLLEGE SCIENCE
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Unit Title: INTRODUCTION TO COLLEGE SCIENCE
Unit Length: Semester
Prerequisite: This course is offered only to year 10 students

Description: This unit will provide skills and knowledge relevant to Year 10 students considering studying tertiary science at college. Students successfully completing this unit will have a broader understanding of theory relevant to Physics, Chemistry and Biology. They will also have opportunities to design experiments, collect, analyse and evaluate their own data.

Contribution: TBA

NOTES