LILYDALE
HIGH SCHOOL

Year 10
Subject Handbook

EXCELLENCE IN LEARNING, RESILIENCE IN LIFE, THRIVING IN COMMUNITY

Contents:

Introduction

The purpose of this handbook is to support students and their families to select an appropriate course of study for Year 10 and beyond. We encourage students to begin to think about the next three years of school, and to choose subjects that reflect their passions, interests and possible pathways. To support students and their families to make their decisions, students will have an information session at school regarding the subject selection process. The student presentation will be made available to parents and students via Compass. Students should consider their decisions carefully, and discuss their choices with their families, teachers and year level coordinators before submitting subject selections.

VCE or VET at Year 10

Students entering Year 10 can select a VCE or one of the two VET subjects offered on campus. Such options offer students the opportunity to further deepen and extend their learning in both vocational and academic pathways.

VCE and VET subjects (Certificate II Animal Care and Certificate III Acting (Screen)) are available in the VCE, VCE VM & VET Subject Handbook.

They should also consider the possibility of participating in a university extension program which gives students the chance to extend their ability in a particular area during Year 12. Each student selected for the program can select a university subject/s as part of their VCE program. The university subject counts in the ATAR, as well as allow them to gain credit in particular university degrees. Thinking about this early, may guide decisions around subject selection in Year 10.

Building Your Timetable

Students will have some subjects that are required units of study in their timetable depending on their course type (Year 10, Athlete Development Program, Arts Enrichment Program or Select Entry Accelerated Learning Program). To complement this base of subjects, students can choose from a range of VCE subjects, the two VET subjects offered on campus and elective subjects from across all Key Learning Areas (KLA). Specific subject selection requirements may apply to select entry programs (SEALP, ADP, AEP, Excellence in Sport) and VCE/VET subjects.

Students will be required to complete their subject selection using the link sent to their school email account in Term 3.

On the following page, you will find sample outlines and course specific requirements.

Year 10

Semester 1	English	Mathematics (Choice of 3)	Humanities or Science	Elective or VCE/VET	Elective	Elective
Semester 2	English	Mathematics (Choice of 3)	Humanities or Science	Elective or VCE/VET	Elective	Elective

Students are required to:

- study a full year of both English and mathematics
- choose their level of Year 10 mathematics, in collaboration with their Year 9 maths teacher
- study one semester of humanities and one semester of science. This subject may take place in either semester. Students can study further humanities and science electives on top of these required courses

Students can choose:

- to complete a VCE subject or one of two onsite VET subjects (if they meet eligibility requirements)
- up to 6 electives across the year, depending on whether they choose and are eligible to complete a VCE/VET subject

Excellence in Sport (EIS) and French should be picked as a priority electives as they are full year subjects.

Athlete Development Program (ADP) *continue from Year 9

Semester 1	ADP English	Mathematics (Choice of 3)	ADP Humanities or ADP Science	ADP*	Elective or VCE/VET	Elective
Semester 2	ADP English	Mathematics (Choice of 3)	ADP Humanities or ADP Science	ADP*	Elective or VCE/VET	Elective

Students are required to

- study a full year of both English and mathematics.
- choose their level of Year 10 mathematics, in collaboration with their Year 9 maths teacher.
- study one semester of humanities and one semester of science. This subject may take place in either semester. Students can study further humanities and science electives on top of these required courses.

Students can choose

- to complete a VCE subject or one of two onsite VET subjects (if they meet eligibility requirements).
- up to 4 electives across the year, depending on whether they choose and are eligible to complete a VCE/VET subject.

ADP students cannot select Body Systems or Fitness For Me as content overlaps with ADP elective*

Excellence in Sport (EIS) and French should be picked as a priority electives as they are full year subjects.

Art Enrichment Program (AEP) *continue from Year 9

Semester 1	AEP English	Mathematics (Choice of 3)	AEP Humanities or AEP Science	AEP*	Elective or VCE/VET	Elective
Semester 2	AEP English	Mathematics (Choice of 3)	AEP Humanities or AEP Science	AEP*	Elective or VCE/VET	Elective

Students are required to

- study a full year of both English and mathematics.
- choose their level of Year 10 mathematics, in collaboration with their Year 9 maths teacher.
- study one semester of humanities and one semester of science. This subject may take place in either semester. Students can study further humanities and science electives on top of these required courses.

Students can choose

- to complete a VCE subject or one of two onsite VET subjects (if they meet eligibility requirements).
- up to 4 electives across the year, depending on whether they choose and are eligible to complete a VCE/VET subject.

Excellence in Sport (EIS) and French should be picked as a priority electives as they are full year subjects.

Select Entry Accelerated Learning Program (SEALP)

Semester 1	SEALP English	Mathematics (Choice of 2 or VCE)	Elective or VCE/VET	Elective or VCE/VET	Elective	Elective
Semester 2	SEALP English	Mathematics (Choice of 2 or VCE)	Elective or VCE/VET	Elective or VCE/VET	Elective	Elective

Students are required to

- study a full year of both English and mathematics.
- choose their level of Year 10 mathematics, in collaboration with their Year 9 maths teacher.
- *SEALP students are prepared through Year 9 to be able to complete Year 11 Maths Methods in Year 10, with the view that they can complete high level maths at VCE. Alternatively, they can study Year 10 Mathematical Methods, Year 10 Specialist Mathematics or VCE General Mathematics.

Students can choose

- to complete VCE subjects or one of two onsite VET subjects (if they meet eligibility requirements). Only 3 VCE subjects can be selected, including Mathematics.
- up to 8 electives across the year, depending on their VCE subject selections.

Excellence in Sport (EIS) and French should be picked as a priority electives as they are full year subjects.

Subject Overview:

ARTS

AEP Core (Full Year Subject)
- Arts Enrichment Program

Elective Subjects (Single Semester Subject)
- Computer Arts
- Ceramics
- Drama
- Musical Performance
- Painting and Drawing
- Photography
- Theatre Studies
- Visual Communication Design

ENGLISH

Students will study English as a requirement. Students have the choice from elective subjects if they wish.

Core Subject (Full Year Subject)
- English OR English AEP/ADP/SEALP

Elective Subjects (Single Semester Subject)
- The Craft of Writing
- English Literature

HEALTH & PHYSICAL EDUCATION

ADP Core (Full Year Subject)
- Athlete Development Program

Elective Subjects (Single Semester Subject)
- My Body Systems
- Fitness for Me
- Sports Coaching
- Sports Science
- Outdoor Education

Elective Subjects (Full Year Subject)
- EIS Basketball
- EIS AFL
- EIS Netball

LANGUAGES

Elective Subjects (Full Year Subject)
- French

HUMANITIES

Core Subjects (Single Semester Subject)
- Humanities OR Humanities AEP/ADP

Elective Subjects (Single Semester Subject)
- History: Australians at War
- Economics: Money Makes the World Go Round
- Accounting and Business: Financial Independence
- Geography: Documenting Disasters
- Massive Modern Mishaps
- Philosophy
- Civics: Australia on Trial

MATHEMATICS

Core Subject (Full Year Subject). Choice of:
- General Mathematics
- Mathematical Methods
- Specialist Mathematics

SCIENCE

Core Subject (Single Semester Subject)
- Science OR Science AEP/ADP

Elective Subjects (Single Semester Subject)
- Chemistry
- Physics and Flight
- Psychology
- Zoology
- Medical Science

TECHNOLOGY

Elective Subjects (Single Semester Subject)
- Animation and Game Design
- Food for Health and Wellbeing
- Food and Culture
- Textiles
- Digital Technologies
- Practical Projects
- Wood Technology
- Systems Engineering

Careers and Work Experience

The Careers program aims to assist students to make informed decisions about career choices and choices for study.

This programme assumes that our aim is met by students evaluating their personal strengths/weaknesses/interests/skills and then being aware of the range of options available to them.

Parents and students are seen individually or in groups regarding career information subject choices and study skills. Work Experience can be organised at negotiated times throughout the school year for students in Year 10.

Students wishing to undertake Work Experience must speak to the Careers Practitioners to organise the necessary Work Experience Arrangements form and complete their Safe@Work Certificate.

Subject Costs

Some subjects incur an additional charge to cover costs. These subjects and approximate costs for 2027 are listed below.

HEALTH & PHYSICAL EDUCATION

- 10 EIS Basketball | $330
- 10 EIS AFL | $330
- 10 EIS Netball | $330

- Outdoor Education | $500
- Athlete Development Program | $50

TECHNOLOGY

- Food for Health and Wellbeing | $110
- Food and Culture | $110
- Textiles | $50
- Wood Technology | $50
- Systems Engineering | $50

ARTS

- Art Enrichment Program | $50

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Year 10
Core Subjects

EXCELLENCE IN LEARNING, RESILIENCE IN LIFE, THRIVING IN COMMUNITY

English

English Core (10EEN)

OVERVIEW

Year 10 English Core builds on the skills built in previous English courses in order to analyse texts and media sources at a complex level.

Students investigate the importance and significance of language in a variety of contexts and modes.

They respond to set texts both creatively and analytically and learn to both analyse and develop arguments.

WHAT STUDENTS WILL LEARN

Students will learn the unique features of human language. They investigate the importance of sentence structure, and the way language has evolved and changed throughout history.

Students study a set text and develop the skills to respond to it analytically. Students investigate the themes, characters and literary devices of a text, as well as the intended message the creator is imparting.

Students develop an original piece of writing, in a text type of their choice, centered around a key theme.

Students investigate the effect of language choices, through both an essay analysing the use of language in a given source, as well as their own persuasive oral presentation.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 Core English* may lead to the following study pathways:

- English
- Literature

Humanities

Humanities Core (10HHC)

OVERVIEW

The focus of this subject is WWII and Rights and Freedoms. Through the lens of these topics, students will be exposed to skills and knowledge from a range of Humanities discipline areas, including History, Economics, Geography and Philosophy.

WHAT STUDENTS WILL LEARN

Students will analyse the role of egoism and altruism in influencing human behaviour. They will also analyse the cause and effects of WWII, focusing on the events and experiences of those in Europe, particularly during the Holocaust. They will consider the significance of the Great Depression and develop their economic thinking around the role of the government and indicators of economic performance. They will develop their ability to think critically and develop a moral argument.

Students will also consider the Civil Rights movement in Australia, including significant historical events for Indigenous Australians and the importance of the United Nations Declaration of Human Rights. They will consider indicators of human wellbeing and the inequalities that exist in outcomes for Indigenous Australians. Students will analyse and evaluate data and spatial distribution patterns.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 Core Humanities* may lead to the following study pathways:

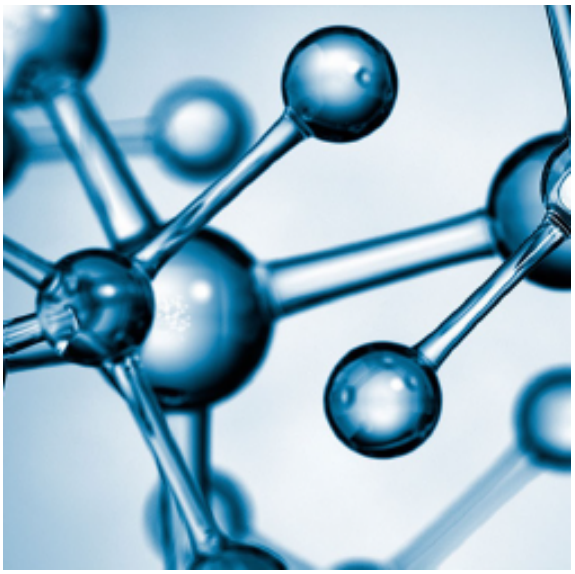
- Legal Studies
- Geography
- Philosophy
- Economics
- Ancient History

Science

Science Core (10SSC)

OVERVIEW

Science is a dynamic, exciting and human endeavour arising from our desire to understand our world. It provides an empirical way of answering important questions about the biological, chemical, physi-cal and technological world. Scientific knowledge is contestable and is constantly revised as new evidence arises.



WHAT STUDENTS WILL LEARN

Core science is the study of all branches of science, including Biology, Chemistry, Environmental Science, Physics, Psychology. The students will be presented with a series of scenarios where they will apply their scientific knowledge and skills to find a solution. The students will explore Chemistry, Physics, Biology and Earth Science through the study of the environment. The students will focus on environmental issues and solutions that incorporate knowledge of chemistry, physics, biology and earth science. Students will be introduced to atomic theory and the use of chemical formulas. They will learn how energy moves throughout earth's systems and how this is linked to global warming. They will investigate the generation of electricity and create their own wind turbine. Students will learn about DNA, Genes and Chromosomes. They investigate how heritable characteristics are passed through genera-tions and undertake an investigation into genetic diseases and bio-technologies.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 Core Science* may lead to the following study pathways:

- Biology
- Chemistry
- Environmental Science
- Physics
- Psychology

SEALP
Core Subjects

EXCELLENCE IN LEARNING, RESILIENCE IN LIFE, THRIVING IN COMMUNITY

English

English SEAL (10EALP)

OVERVIEW

Year 10 English SEALP builds on the skills built in previous English courses in order to analyse texts and media sources at a complex level.

Students investigate the importance and significance of language in a variety of contexts and modes.

They respond to set texts both creatively and analytically and learn to both analyse and develop arguments.

WHAT STUDENTS WILL LEARN

Students will learn the difference between human and animal communication. They investigate the importance of sentence structure, and the way language has evolved and changed throughout history.

Students study a set text and develop skills to respond to it analytically. Students investigate the themes, characters and literary devices of a text, as well as the intended message the creator is imparting.

Students develop an original piece of writing, in a text type of their choice, centred around a key theme.

Students investigate the effect of language choices, through both an essay analysing the use of language in a given source, as well as their own persuasive oral presentation.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 SEALP English* may lead to the following study pathways:

- English
- Literature

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Athlete Development Program

Core Subjects

EXCELLENCE IN LEARNING, RESILIENCE IN LIFE, THRIVING IN COMMUNITY

English

English ADP (10EADP)

OVERVIEW

Year 10 English ADP builds on the skills from previous English courses in order to analyse texts and media sources at a complex level.

Students investigate the importance and significance of written, visu-al and spoken language, both in the sporting industry and more gen-eral context. They respond to set texts both creatively and analytical-ly and learn to both analyse and develop arguments in a sporting media context.

WHAT STUDENTS WILL LEARN

Students will learn the difference between human and animal communication. They investigate the importance of sentence structure, and the way language has evolved and changed throughout history.

Students study a set text and develop skills to respond to it analytically. Students investigate the themes, characters and literary devices of a text, as well as the intended message the creator is imparting.

Students develop an original piece of writing, in a text type of their choice, centered around a key theme.

Students learn about the effect of language choices, through both an essay analysing the use of language in a given source, as well as their own sports media presentation.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 ADP English* may lead to the following study pathways:

- English
- Literature

Humanities

Humanities ADP (10HADP)

OVERVIEW

The focus of this subject is WWII and Rights and Freedoms. Through the lens of these topics, students will be exposed to skills and knowledge from a range of Humanities discipline areas, including History, Economics, Geography and Philosophy. It will promote the understanding of events, movements and developments that have shaped society in the Twentieth Century and their continuing impacts today, including major sporting events and developments.

WHAT STUDENTS WILL LEARN

Students will analyse the cause and effects of WWII, focusing on the events and experiences of those in Europe, particularly during the Holocaust. They consider the significance of the Great Depression and develop their economic thinking around the role of the government and indicators of economic performance. Students will also consider the Civil Rights movement in Australia, including significant historical events for Indigenous Australians and the importance of the United Nations Declaration of Human Rights. They consider indicators of human wellbeing and the inequalities that exist in outcomes for Indigenous Australians. Students will analyse and evaluate data and spatial distribution patterns. Throughout this subject, students will also look at the changing nature of sports in Australia, the connection sport has with society and the Olympic Games.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 Core Humanities* may lead to the following study pathways:

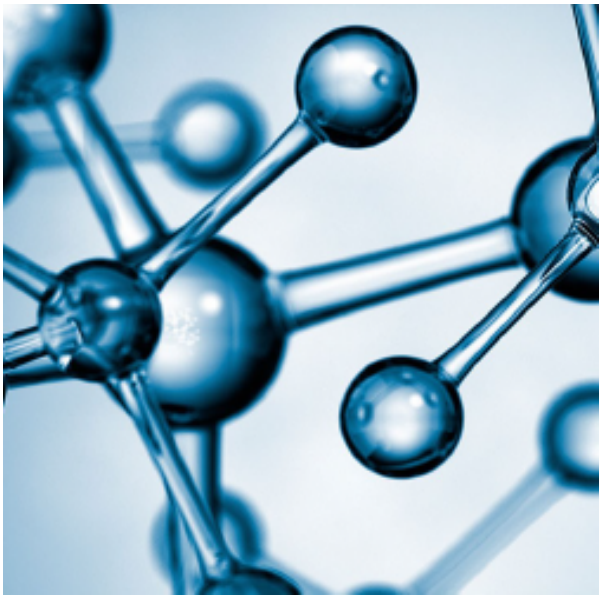
- Legal Studies
- Geography
- Philosophy
- Economics
- Modern or Ancient History
- English
- Literature

Science

Science ADP (10SADP)

OVERVIEW

Science is a dynamic, exciting and human endeavour arising from our desire to understand our world. This diverse course will allow students to explore and investigate the science behind sports. Stu-dents will be immersed in Biology, Physics, Chemistry, Psychology and Environmental Science strands; written exclusively for the ath-letes of tomorrow.



WHAT STUDENTS WILL LEARN

During the Psychology unit, students will study how an athlete's body can be influenced by positive or negative thoughts through learning about the brain. In Chemistry they will study the effects of hormones and performance enhancing substances listed by the World Anti-Doping Association.

During the Biology unit students will use the scientific method to check their own physical fitness as they study Cellular Respiration and how caffeine and energy drinks can affect their performance. They will also study the structure of DNA and Gene Technologies; students will examine the 'super genes' of athletes.

Through a Physics lens students will collaborate together to build a video diary; by playing their favourite sport and linking their actions to Newton's three laws of motion.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 Core Science* may lead to the following study pathways:

- Biology
- Chemistry
- Environmental Science
- Physics
- Psychology

Health and PE

Athlete Development Program (10PAPD)

OVERVIEW

The Year 10 ADP subject allows students to continue on with their Strength and Conditioning training within the program.

Students will complete 3 periods a week of strength and conditioning, along with 2 periods of health work based around introducing stu-dents to the concepts covered in VCE Physical Education.

WHAT STUDENTS WILL LEARN

Strength and Conditioning
Having developed the foundational movement patterns in Year 9, Strength & Conditioning sessions will now take a Sport Specific Program (SSP) approach implementing different training principles spe-cific to the students chosen sport. Students will also be required to take on leadership within the designing of their programs at different stages.

Theory work
This includes developing an understanding of the different body systems function and how they are used in sport along with developing an understand-ing of the theory behind improving sport performance.

*Students should not select the Body Systems electives as the content overlaps.

POSSIBLE FUTURE PATHWAYS

The study of *Athlete Development Program* may lead to the following study pathways:

- Physical Education
- CERT III Sports and Recreation
- Health and Human Development
- Food Studies

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Arts Enrichment Program

Core Subjects

EXCELLENCE IN LEARNING, RESILIENCE IN LIFE, THRIVING IN COMMUNITY

English

English AEP (10EAEP)

OVERVIEW

Year 10 English AEP builds on the skills built in previous English courses in order to analyse texts and media sources at a complex level.

Students investigate the importance and significance of language in a variety of contexts and modes.

They respond to set texts both creatively and analytically and learn to analyse and develop arguments.

WHAT STUDENTS WILL LEARN

Students will learn about the unique features of human language. They investigate the importance of sentence structure and the way language has evolved and changed throughout history.

Students study a set text connected to the world of arts and develop the skills to respond to it analytically. Students investigate the themes, characters and literary devices of a text, as well as the intended message the creator is imparting.

Students develop an original piece of writing, in a text type of their choice, centered around a key theme relating to arts.

Students investigate the effect of language choices, through both an essay analysing the use of language in a given source, as well as their own persuasive oral presentation.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 AEP English* may lead to the following study pathways:

- English
- Literature

Humanities

Humanities AEP (10HAEP)

OVERVIEW

Year 10 AEP Humanities focuses on the study of History, Geography and Economics. The History component of this course covers content such as: The Treaty of Versailles, The Great Depression, the Rise of Hitler and the Holocaust. The Geography component includes the study of Human Wellbeing and includes related topics such as: Population and poverty, Human Development, Gender Inequality and Globalisation. Relevant Economics topics are intertwined throughout the History and Geography units.

Students explore the humanities through a Arts, Performing and Visual Arts lens, including the study of artworks, evidence and the impact of the Arts in specific Historical events and the impact of the Arts on Human Wellbeing.

WHAT STUDENTS WILL LEARN

Students will analyse the role of egoism and altruism in influencing human behaviour. They will also analyse the cause and effects of WWII, focusing on the events and experiences of those in Europe, particularly during the Holocaust. They will consider the significance of the Great Depression and develop their economic thinking around the role of the government and indicators of economic performance. They will develop their ability to think critically and develop a moral argument.

Students will also consider the Civil Rights movement in Australia, including significant historical events for Indigenous Australians and the importance of the United Nations Declaration of Human Rights. They will consider indicators of human wellbeing and the inequalities that exist in outcomes for Indigenous Australians. Students will analyse and evaluate data and spatial distribution patterns.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 Core Humanities* may lead to the following study pathways:

- Legal Studies
- Geography
- Philosophy
- Economics
- Modern or Ancient History

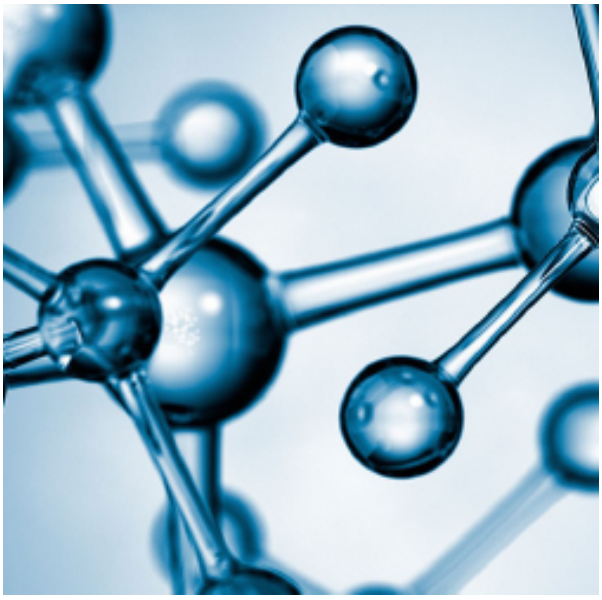
Science

Science AEP (10SAEP)

OVERVIEW

Science and the Arts are closely aligned in the use of creative thinking to understand the world and solve problems. Science is a way of answering questions about the biological, chemical, physical and technological world. Scientific knowledge is contestable and is constantly revised as new evidence arises. AEP Core Science will use Arts based topics where possible.

The study of Core Science is compulsory at Year 10.



WHAT STUDENTS WILL LEARN

Students will focus on refining their understanding of the scientific method through exploratory practical work in the areas of biology, chemistry, environmental science and physics. In the study of chemistry, students will be introduced to atomic theory and the use of chemical formulas in exploring paint. They will investigate water quality at Lilydale Lake and complete a project to build awareness of environmental issues. In physics students will learn how energy moves throughout earth's systems and its role in global warming. They will investigate the generation of electricity and sound in particular in the theatre and in creating music. In biology students will learn about DNA, Genes, Chromosomes and how the human body works, and undertake an investigation into genetic diseases and biotechnologies.

POSSIBLE FUTURE PATHWAYS

The study of *Year 10 Core Science* may lead to the following study pathways:

- Biology
- Chemistry
- Environmental Science
- Physics
- Psychology

Arts

Arts Enrichment Program (10AAEP)

OVERVIEW

Arts Enrichment Core will focus on continuing to develop an understanding of how Art in various forms are developed and presented to a range of audiences. Students will work in a range of media across the Arts domains of Drama, Music and Visual Art and build on skills developed in YR 9. Students will work collaboratively to present their work in various Arts events such as Arts Showcases, Exhibitions and Performances.

WHAT STUDENTS WILL LEARN

Students will work together in teams to plan, develop and present a range of art and performances to be presented to an audience. They will have the opportunity to contribute to and participate in a range of roles and tasks that lead to the final presentation. Including the following:

- Creating Artworks
- Exhibition Curation
- Stage Management
- Sound and Lighting
- Costume and stage design
- Event management
- Publicity and promotion.

POSSIBLE FUTURE PATHWAYS

The study of *Athlete Development Program* may lead to the following study pathways:

- Art Creative Practice
- Art Making and Exhibiting (Photography or Ceramics)
- Visual Communication and Design
- Drama
- Theatre Studies
- Music

Year 10 Mathematics Subjects

EXCELLENCE IN LEARNING, RESILIENCE IN LIFE, THRIVING IN COMMUNITY

Mathematics

General Mathematics (10MGM)

OVERVIEW

This subject covers a wide range of fundamental mathematical skills.

Students will develop their ability to work with numbers in real world situations through investigating everyday examples of mathematics and theoretical applications.

Students will be required to use their CAS calculator to perform calculations and analyse data.

WHAT STUDENTS WILL LEARN

Students will build on a range of mathematical and problem- solving skills developed through their previous studies of mathematics. The students will be engaged in a range of tasks relating to real world and theoretical scenarios.

Students will complete examinations, analysis tasks and topic testing on matrices, algebra and equations, linear graphing, statistics, trigo-nometry, measurement, financial arithmetic and sequences.

POSSIBLE FUTURE PATHWAYS

The study of *General Mathematics* may lead to the following study pathways:

- General Mathematics
- Mathematical Methods

Mathematics

Mathematic Methods (10MMM)

OVERVIEW

This subject caters for students seeking more challenging mathemat-ical concepts.

Students will cover topics from the three strands of mathematics:

- Number and Algebra
- Measurement & Geometry
- Probability & Statistics

Mathematical Methods focuses heavily on Number and Algebra.

WHAT STUDENTS WILL LEARN

Students will build on their number and algebra skills through topics such as index laws, surds, coordinate geometry, and quadratic func-tions.

Students will develop a proficient ability to manipulate numbers, and construct various graphs; linear, trigonometric, and parabolic.

Students will apply trigonometry to real life.

Students will calculate probabilities using Venn and tree diagrams.

POSSIBLE FUTURE PATHWAYS

The study of *Mathematical Methods* may lead to the following possible pathways:

- General Mathematics
- Mathematical Methods
- Special Mathematics

Mathematics

Specialist Mathematics (10MSM)

OVERVIEW

Specialist Mathematics covers the following topics:

- Linear Algebra
- Simultaneous Equations
- Coordinate Geometry
- Real numbers
- Quadratic Expressions
- Quadratic Graphs
- Exponentials
- Pythagoras' Theorem
- Trigonometric Functions and Statistics

This mathematical course is designed to extend students beyond the expected level at Year 10, challenging students to learn concepts and apply and engage in content with real life and pure mathematical situations.

Note: Students require teacher recommendation to be accepted into this course.

WHAT STUDENTS WILL LEARN

Students will be required to learn concepts at and beyond the Year 10 level.

They complete class work, topic tests, homework tasks and analysis and learning tasks. These tasks involve major reports and necessitate an ability to evaluate a task, demonstrating high levels of comprehension of the problem, along with the ability to choose an appro-priate problem solving and modelling strategy to effectively solve complex mathematical situations.

The course consists of regular homework tasks which review content taught in class time, enabling students multiple exposures to the content's differing concepts. Students will complete both summary book and CAS technology supported examinations, along with non-CAS technology supported and summary book examinations.

POSSIBLE FUTURE PATHWAYS

This subject supports the thinking that is needed in all of the Mathematic subjects at VCE level:

- General Mathematics
- Mathematical Methods
- Special Mathematics

Elective Subjects

Arts

Ceramics (10ACE)

OVERVIEW

Year 10 Ceramics further develops the student's range of technical and creative abilities using clay.

Students will complete a folio of tasks, gradually building skills and competence from short exercises introducing new processes, towards students producing an independent major piece with a theme and process of their choice. They will be given the opportunity to produce their work on the pottery wheel.

For the major focus, students will make informed choices between functional (examples are cups, plates, bowls, vases, planters, fountains, luminaries and lanterns...) or sculptural pieces.

WHAT STUDENTS WILL LEARN

Skills include complex hand-building, slip mould casting and pottery wheel processes, exploring a range of surface decoration from painting techniques, slip trailing, print transfer to glaze and glass fusing technology.

Students will look at various sources of inspiration to explore and develop their own themes, concepts or ideas, specialising in their chosen ceramic building and decorating process. They will develop skills in planning and designing art works and keep a sketchbook documenting artistic practice- introducing design and folio processes necessary for VCE Arts and art/design industry.

POSSIBLE FUTURE PATHWAYS

This course encourages the development of critical and creative problem-solving skills, project time management – both individual and collaborative. These are among the top employability skills in the 21st century. It develops skills in folio building which is a skill required in a range of VCE subjects.

Possible links to senior subjects include:

- Art Making and Exhibiting- Sculptural
- Art Making and Exhibiting- Digital
- Art Creative Practice
- Theatre Studies
- Visual Communication
- Media

Arts

Drama (10ADR)

OVERVIEW

This course enables students to participate in workshops that further explore conventions from a variety of pre-modern and modern performance styles.

Students will use expressive skills to take on characters and roles that depict real and imagined worlds. They will work collaboratively and individually to create, rehearse, perform and respond using the elements of drama.

WHAT STUDENTS WILL LEARN

Through practical workshops, students will explore the origins and development of drama and its influence on past and present societies. They will explore conventions associated with a variety or performance styles and respond to a range of stimuli to create and develop drama works both individually and collaboratively.

Students will participate in discussions as well as critically evaluating their own work and the work of others.

The units of study are:

- Greek Theatre: It's all a game of thrones
- Elizabethan Theatre: All the world's a stage
- Slapstick and the Commedia dell'Arte
- Naturalism: keeping it real
- Theatre of the Absurd: how absurd!

POSSIBLE FUTURE PATHWAYS

Possible links to senior subjects include:

- Drama
- Theatre Studies
- VET Acting (Screen) Certificate III
- Classical Studies
- Media

Arts

Musical Performance (10AMP)

OVERVIEW

This course is recommended for students who already play a musical instrument. Students will be immersed in workshops exploring elements of music, style and notation and will use aural skills to recognise aspects of music, such as pitch and rhythm sequences.

Areas of study include:

- Music Language
- Performance (solo & group)
- Live Performance Analysis

WHAT STUDENTS WILL LEARN

Students will develop their skills in advanced music theory including the grand stave, intervals, scales and chords. They will develop and refine effective rehearsal techniques in order to perform solo and group performances in a range of forms and genres. Students will use their understanding of musical styles to interpret and analyse their own work and the work of others and will attend a professional live gig during the semester.

POSSIBLE FUTURE PATHWAYS

When students perform the works of other musicians, they develop skills in communicating and in working cooperatively, achieving creative outcomes. Through analysing and responding to the work of other musicians, students also develop a knowledge of music, skills in critical thinking and greater confidence in written and oral expression.

Possible links to senior subjects include:

- Music
- Drama
- VET Music Performance

Arts

Painting and Drawing (10APD)

OVERVIEW

Painting and Drawing is designed for students who want to extend their creative thinking and practical skills. Students learn how to apply a range of drawing and painting media in various tasks. They are encouraged to experiment and explore a range of practical approaches in order to develop a personal style. They continue to develop art language and start to develop the ability to discuss meanings and messages in order to develop an opinion on a range of art styles and issues.

WHAT STUDENTS WILL LEARN

Students will complete a range of painting and drawing tasks and use the Art process to develop skills in folio building. They will develop individual ways of working and learn how to solve design problems through exploration and research. They will develop the ability to analyse artworks using the design elements and principles in order to interpret meanings and messages. They will discuss a range of artworks and look at how art has influenced culture and raised questions within society.

POSSIBLE FUTURE PATHWAYS

Painting and drawing is a good base for students who wish to continue to develop creative thinking and problem-solving skills. It develops skills in folio building which is a skill required in a range of VCE subjects.

Possible links to senior subjects include:

- Art Making and Exhibiting
- Art Creative Practice
- Theatre Studies
- Visual Communication
- Media

Arts

Photography (10APH)

OVERVIEW

Year 10 Photography is designed for students who want to explore the creative possibilities of digital photography. The focus is on the use of the digital SLR camera with an additional special emphasis on studio lighting. Students learn how to adapt cameras to suit a range of conditions in order to develop styles and communicate points of view about a range of subject matter.

Cameras are provided and access to the school photographic studio is encouraged.

WHAT STUDENTS WILL LEARN

Students use a sketchbook to record and develop ideas for photographic works. They research the development of photography from its humble beginnings and up to the present day, in order to gain insight into the function of photography as a catalyst for visual culture across two centuries. They explore the capacity of software to enhance and modify raw photographic sources. They learn to apply methods of photographic composition to refine images, first in short assignments, and then in more involved creative projects as their skills develop.

POSSIBLE FUTURE PATHWAYS

Photography provides an excellent starting point for further study in folio-based subjects.

Possible links to senior subjects include:

- Art Creative Practice
- Art Making and Exhibiting
- Theatre Studies
- Visual Communication and Design
- Media

These studies then lead into:

- Photo journalism
- Graphic Communication
- Fine Art
- Architecture
- Game Design

Arts

Theatre Studies (10ATS)

OVERVIEW

This course allows students to think, move, speak and act with confidence. Through the interpretation of scripts and staging drama, they will learn how to be focused, innovative and resourceful, while collaborating and taking on responsibilities for theatre presentations.

WHAT STUDENTS WILL LEARN

Students will explore a variety of theatre styles to assist students in their interpretation of plays and script extracts. They will engage in practical workshops to examine the production roles of acting, directing and designing, bringing a script to life on the stage. Students will learn to critically evaluate their own work and the work of others, including professional performances.

Students will develop a sense of inquiry and empathy by exploring the diversity of theatre from a range of cultural and historical contexts.

The areas of study include:

- Theatre styles
- Production roles
- Theatre production processes
- Analysing and evaluating performance work

POSSIBLE FUTURE PATHWAYS

Theatre Studies provides students with a range of interpersonal skills such as creative thinking, communication, confidence, problemsolving, teamwork, perseverance and the ability to accept feedback.

Possible links to senior subjects include:

- Theatre Studies
- Drama
- Literature

Arts

Visual Communication Design (10AVC)

OVERVIEW

Students solidify their understanding of the three design fields of Communication, Environmental and Industrial design.

They explore a range of materials, methods and media during their design process and explore unique ways of presenting visual communications including 3D modelling IT programs, printing and model making.

Students develop their understanding of safe practices and the roles of Designers in their particular field.

WHAT STUDENTS WILL LEARN

Students develop skills in various drawing methods, including perspective and isometric.

Students use various drawing methods to create, generate, develop and refine visual communication presentations in response to a brief.

Students develop an understanding of different fields of design, communication, industrial and environmental.

POSSIBLE FUTURE PATHWAYS

VCD is a subject where students develop creative and critical thinking skills. Students use these skills to solve design problems- valuable skills that can be applied in any subject or work force.

Possible links to senior subjects include:

- Visual Communication and Design
- Studio Art
- Art
- Media
- Theatre Studies

English

The Craft of Writing (10ECW)

OVERVIEW

Year 10 The Craft of Writing builds on the skills from previous English courses in order to analyse texts and media sources at a complex level.

Students investigate the importance and significance of written, visual and spoken language, both in the sporting industry and more general context. They respond to set texts both creatively and analytically and learn to both analyse and develop arguments in a sporting media context.

WHAT STUDENTS WILL LEARN

Students will engage deeply with the writing process, replicating the way in which authors make decisions about their audience, purpose, genre and form.

They will develop their ability to plan their writing pieces and manage the drafting and editing process as they move their writing from an idea to a final composition and publication.

Students will be encouraged to develop their unique voice, finding space to explore their perspectives through the written word.

POSSIBLE FUTURE PATHWAYS

The completion of The Craft of Writing links to the study of the English group subjects in senior school.

Possible links to senior subjects include:

- English
- Literature

English

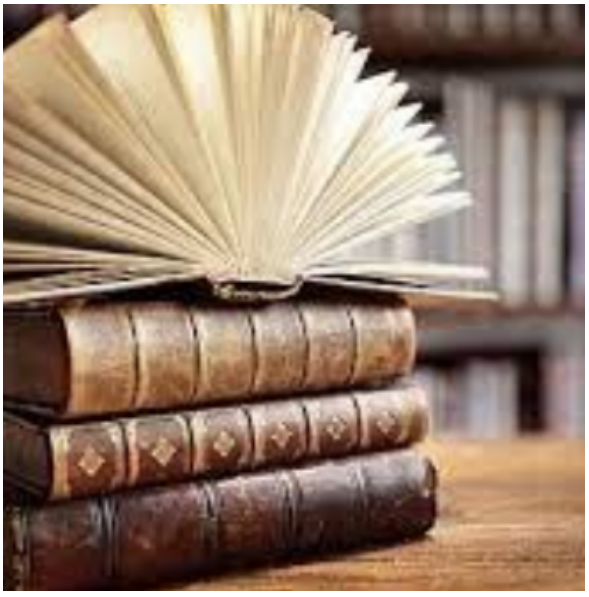
Literature (10ELI)

OVERVIEW

Year 10 Literature builds on the skills built in previous English courses in order to analyse texts and media sources at a complex level.

Students investigate the importance and significance of language in a variety of contexts and modes.

They respond to set texts both creatively and analytically and learn to both analyse and develop arguments.



WHAT STUDENTS WILL LEARN

Students will learn how to read texts critically, as well as how to respond creatively and reflectively to the ideas and concerns of texts.

They will reflect upon their own backgrounds and experience in developing responses to texts from a past era and/or another culture.

Students inquire into the ways readers may arrive at differing interpretations about a text and the grounds on which they are developed.

POSSIBLE FUTURE PATHWAYS

The completion of Year 10 Literature links to the study of the English strands in senior school.

Possible links to senior subjects include:

- English
- Literature

Humanities

Civics: Australia on Trial (10HAT)

OVERVIEW

Can one trial change a nation? In this subject, you will explore some of Australia's most notable court cases and discover how they have shaped the law and our understanding of justice. From major constitutional decisions to controversial criminal trials, you will examine how laws are interpreted, challenged, and reformed. You will also consider the role of individuals, governments, and the media in influencing the outcomes of court cases. If you are interested in true crime, debate, or questioning authority, this subject is for you.

WHAT STUDENTS WILL LEARN

In this subject students will learn about:

- The Australian Constitution and how it is interpreted by the High Court
- The division of powers between Federal and State governments
- Australia's international responsibilities and the role of international law
- The overturning of terra nullius and the development of Indigenous land rights
- Some of Australia's most notable miscarriages of justice
- How the criminal justice system operates, including its strengths and weaknesses
- How the media and public opinion influence the justice system and contribute to law reform
- The role of courts, Parliament and citizens in shaping the law
- How to analyse legal cases and evaluate issues of fairness and justice

POSSIBLE FUTURE PATHWAYS

The study of *Australia on Trial* may lead to the following study pathways:

- VCE Legal Studies
- VCE Politics

Humanities

Economics: Money Makes the World go Round (10HEM)

OVERVIEW

Students will develop an understanding of micro and macroeconomics, with a focus on setting up the skills and knowledge to assist students with VCE Economics. Students will develop a basic understanding of how resources are allocated to best satisfy societies living standards and why the government intervenes in the economy.

WHAT STUDENTS WILL LEARN

Students will begin by looking at how demand and supply, via the price mechanism, is used to allocate resources (microeconomics) and then move on to living standards and how economic activity impacts on output, employment and incomes.

Students will investigate current economic events impacting on living standards and resource allocation and how the government is seeking to manage the economy to achieve its goals and objectives. Students investigate why and how the government intervenes in the economy and focus on the Global Financial Crisis. Finally, we look at North Korea as a command economy and evaluate how various economic models are likely to impact on living standards.

POSSIBLE FUTURE PATHWAYS

This subject will set students up with the skills and knowledge required for studying Economics in VCE, which in turn links to further study and employment in high paying sectors of the economy.

Possible links to senior subjects include:

- Economics
- Accounting
- Business Management
- Philosophy
- Geography
- Global Politics

Humanities

Accounting and Business: Financial Independence (10HFI)

OVERVIEW

This subject is designed to empower students to be financially independent and provide them with essential business and general life skills. Financial Independence is a space where students will learn a range of skills and knowledge that relate to employment, managing and investing their money and the basics of running a business.

WHAT STUDENTS WILL LEARN

Students will explore their employment opportunities, developing skills such as goal setting and resume writing. Students will consider the qualifications and behaviours required for an enterprising business environment. Students will learn how to maximise the value of their earnings, with a focus on money management and investing skills such as budgeting and compound interest. Topics studied include buying a car, superannuation, investing in property, and the share market. The process of starting a small business, including the allocation and distribution of resources, cost-benefit analysis, and the links between risk and reward will be considered. Students will look at the nature of innovation and why businesses need to create a competitive advantage, along with discussing ways that this may be achieved and the implications this has for individuals, businesses and the economy.

POSSIBLE FUTURE PATHWAYS

Possible links to senior subjects include:

- Economics
- Accounting
- Business Management
- Philosophy
- Geography
- Global Politics

Humanities

Geography: Documenting Disasters (10HGD)

OVERVIEW

This subject will engage students in the study of natural disasters and disease, using both feature films and documentaries to show-case the impact of these hazards on human populations around the world. The first unit will focus on hazards of a geological (earthquakes and volcanoes) and hydrological (cyclones and flood) nature. The second unit will focus on biological hazards (diseases such as malaria).

WHAT STUDENTS WILL LEARN

Using film and documentaries, students will investigate a range of naturally occurring disasters including volcanoes, earthquakes, tsunamis, fire, flood and disease.

They will learn how and why these disasters occur, the impact, and their aftermath. They will also consider how humans respond to these catastrophic events and plan for the future.

Students will develop geographical skills such as collecting and interpreting geographical data, analysing maps and statistics, as well as participating in fieldwork.

POSSIBLE FUTURE PATHWAYS

This elective assists students in engaging with current issues and developing critical thinking and analytical skills.

Possible links to senior subjects include:

- Geography
- Global Politics
- Environmental Science

Humanities

Massive Modern Mishaps (10HMM)

OVERVIEW

This subject will engage students in learning about the social, political and economic reasons for, and impacts of, various human disasters during the 20th Century and early 21st Century. Students will engage with readings, documentaries and films in order to explore both the broader and the individual impacts these disasters have had.

Students will demonstrate their knowledge and understandings through short answer questions, written responses and creating their own documentary or news report.

WHAT STUDENTS WILL LEARN

Using carefully curated readings, documentaries and film scenes, students will investigate a range of human tragedies and disasters, from the sinking of the Titanic to the Terrorist Attacks of September 11, 2001.

They will learn the social, political and economic contexts of these disasters, as well as the lasting social and political impacts that came about as a result of the disasters.

Students will develop their skills in interpreting historical documents, as well as their understanding of the importance of primary and secondary sources, in creating a socio-political interpretation of important historical events. They will build on their understanding of economic concepts and gain an understanding of the development of western society in the 21st Century.

POSSIBLE FUTURE PATHWAYS

Students will acquire inquiry and critical thinking skills that will assist in the formation of arguments.

Possible links to senior subjects include:

- English
- History
- Geography

Humanities

History: Australians at War (10HAW)

OVERVIEW

This subject is designed to continue to develop students' curiosity and imagination in relation to History, with a focus on the Australian experience of war in the Pacific during World War Two and during the Vietnam War. It will promote the understanding of events, movements and developments that have shaped Australian society in the Twentieth Century and their continuing impacts today.

Australians at War is taught within a world history approach. This equips students for the world in which they live and enhances students' appreciation of Australian History and Australia's position in the Asia-Pacific region, and our global relationships.

WHAT STUDENTS WILL LEARN

Students will focus on the Australian experience and perspective of war, with key topics including the bombing of Pearl Harbour and our defence links with the United States of America, the Kokoda Track campaign and the experience of Prisoners of War. Students will also consider the Australian experience during the Vietnam War, our continuing links to the United States of America and the continuing im-pacts of this event on society.

Students will continue to develop their historical skills by identifying the causes and consequences of events, using primary and second-ary resources to evaluate the historical significance of events and evaluating different historical interpretations on events.

POSSIBLE FUTURE PATHWAYS

This elective will suit students who are passionate about history.

Students will acquire inquiry and critical thinking skills that will assist in the formation of arguments.

Possible links to senior subjects include:

- English
- History
- Philosophy

Humanities

Philosophy (10HPH)

OVERVIEW

The study of Philosophy is designed to encourage students to develop their skills in critical and rational thinking and in constructing and evaluating arguments. Philosophy is primarily concerned with questions on ethics and morals, knowledge and metaphysics.

Students will have frequent opportunities in this class to share their views with peers and to participate in debates.

WHAT STUDENTS WILL LEARN

Students will learn to think critically, to evaluate arguments and viewpoints effectively and to justify their own views and opinions. Students learn logic terminology such as: what an argument is, how to form an argument and how to evaluate an argument.

Students will also be able to explore key philosophical topics, including: logic and reasoning, ethics, morals, metaphysics, artificial intelligence.

POSSIBLE FUTURE PATHWAYS

The elective focuses on skills that may assist students in English, through the formation of arguments and through developing critical thinking.

Possible links to VCE subjects include:

- Philosophy
- English
- Psychology
- Ancient History

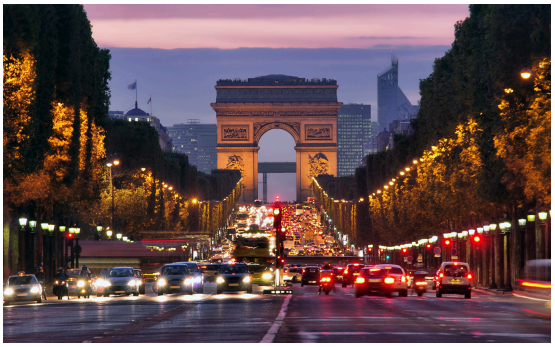
Languages

French (10LFR)

OVERVIEW

Designed to further develop students' ability to communicate in French, as well as their understanding of French culture, Year 10 French is a full year elective and cannot be selected as a single semester unit.

Students will continue to build on prior knowledge of vocabulary and grammar. They will interact to exchange information and opinions on topics related to their experience and issues of interest to young people. Through studying films, songs and a range of authentic texts, students will deepen their understanding of and appreciation for French history and culture.



WHAT STUDENTS WILL LEARN

Year 10 French focuses on students developing the skills to share ideas and express opinions in French and to write and understand a variety of texts in French.

Students will explore Paris, as well as learning about other French-speaking countries. They will compare and contrast aspects of life in French-speaking countries with those in Australia, identifying similarities and differences.

Students will also learn how to ask for and give advice, reflect on their childhood and look to the future, focusing on career plans and environmental issues. Through studying films, songs and a range of authentic texts, students will deepen their understanding of and appreciation for French history and culture.

POSSIBLE FUTURE PATHWAYS

This elective is only available to students who have studied Year 9 French.

Possible links to senior subjects include:

- French

Health and PE

My Body Systems (10PBS)

OVERVIEW

This subject contains both a theoretical and practical aspect.

In the theory setting, students will develop a detailed understanding of the muscular, skeletal, cardiovascular, and respiratory systems. Students will also participate in practical sessions which will provide the students with an opportunity to participate in a range of physical activities.

*This subject is not available to ADP students.

WHAT STUDENTS WILL LEARN

Through a variety of theory and practical lessons, students will explore how the systems work together during sport, training, and eve-ryday life. They will also investigate common injuries or diseases that affect the functioning of these systems.

POSSIBLE FUTURE PATHWAYS

Possible links to senior subjects include:

- Physical Education
- Health and Human Development
- Biology

Health and PE

Fitness for me (10PFM)

OVERVIEW

This class is a mixed gender class in which students will investigate fitness components, training methods and training principles in order to improve physical fitness.

They will design and evaluate a training program to achieve specific fitness goals.

Students will participate in a range of practical lessons, allowing for them to apply theoretical knowledge in order to improve their own fitness and evaluate their success. Students will also explore how the human body creates and uses energy to perform a range of physical activity tasks.

*This subject is not available to ADP students.

WHAT STUDENTS WILL LEARN

Students will be assessed on their ability to develop a training program, with reference to fitness components, training methods and training principles.

Students will also be required to analyse and evaluate their physical performance in a range of fitness tests.

Students will also learn about the energy systems used by the human body in order to perform a range of sports-based tasks.

Students will also be assessed on their understanding of physical activity levels of differing age groups, as per the Australian Physical Activity Guidelines (APAG).

Students will also participate in weekly sport based practical sessions.

POSSIBLE FUTURE PATHWAYS

This unit is a fantastic pathway to VCE Physical education. The content covered in Fitness For Me, is directly related to all 4 Units of VCE Physical Education.

Students that select this unit will be well prepared for a number of Areas of Study throughout units 1-4 of VCE PE.

Health and PE

EIS Basketball (10PEB)

OVERVIEW

The Excellence in Sport Basketball Program at Lilydale High School is an athlete centered program that aims to provide an individualised performance framework to support development towards becoming elite junior and senior basketball players.

Our coaching staff bring a wealth of knowledge and experience, with the aim of encouraging and nurturing elite performance standards and behaviours consistent with achieving personal academic and athletic goals.

There are fees associated with this program.

Only students that are currently studying or have already been offered a place in this subject should choose this elective.

WHAT STUDENTS WILL LEARN

Our program structure is dynamic in nature and consists of a variety of specific basketball related components. These sessions are planned and implemented to ensure our athletes are taught progressively with a significant focus on skill isolation, before introducing these elements in game-like scenarios.

The areas we focus significantly on include:

- Skill Development
- Offensive and Defensive Structures
- Strength and Conditioning

POSSIBLE FUTURE PATHWAYS

Students can continue with the Excellence in Sport program in Year 11 and 12, which runs alongside Sport and Recreation.

Students will also leave the program with an understanding of how to maintain a healthy lifestyle through regular involvement in physical activity in sporting environments. This may also lead them

Health and PE

EIS AFL (10PEFB: BOYS) (10PEFG: GIRLS)

OVERVIEW

The Excellence in Sport AFL Program is an athlete centered program that aims to provide an individualised performance framework to support development towards becoming elite junior and senior AFL players.

There are fees associated with this program.

Only students that are currently studying or have already been offered a place in this subject should choose this elective.

WHAT STUDENTS WILL LEARN

The program structure is dynamic in nature and consists of a variety of specific AFL related components. These sessions are planned and implemented to ensure our athletes are taught progressively with a significant focus on skill isolation, before introducing these elements in game-like scenarios.

The areas we focus significantly on include:

- Skill Development
- Offensive and Defensive Structures
- Strength and Conditioning

Our coaching staff bring a wealth of knowledge and experience, with the aim of encouraging and nurturing elite performance standards and behaviours consistent with achieving personal academic and athletic goals. Boys looking to choose this subject should use the code 10PEFB. Girls looking to choose this subject should use the code 10PEFG.

POSSIBLE FUTURE PATHWAYS

Students can continue with the Excellence in Sport program in Year 11 and 12, which runs alongside Sport and Recreation.

Students will also leave the program with an understanding of how to maintain a healthy lifestyle through regular involvement in physical activity in sporting environments. This may also lead them to further study in the field of Unit 1 and 2 VCE Physical Education.

Health and PE

EIS Netball (10PEN)

OVERVIEW

The Excellence in Sport Netball Program is an athlete centered program that aims to provide an individualised performance framework to support development towards becoming elite junior and senior netball players.

There are fees associated with this program.

Only students that are currently studying or have already been offered a place in this subject should choose this elective.

WHAT STUDENTS WILL LEARN

Our program structure is dynamic in nature and consists of a variety of specific netball related components. These sessions are planned and implemented to ensure our athletes are taught progressively with a significant focus on skill isolation, before introducing these elements in game-like scenarios.

The areas we focus significantly on include:

- Skill Development
- Attacking and Defensive Structures
- Strength and Conditioning

Our coaching staff bring a wealth of knowledge and experience, with the aim of encouraging and nurturing elite performance standards and behaviours consistent with achieving personal academic and athletic goals.

POSSIBLE FUTURE PATHWAYS

Students can continue with the Excellence in Sport program in Year 11 and 12, which runs alongside Sport and Recreation.

Students will also leave the program with an understanding of how to maintain a healthy lifestyle through regular involvement in physical activity in sporting environments. This may also lead them to further study in the field of Unit 1 and 2 VCE Physical Education.

Health and PE

Sports Coaching (10PSC)

OVERVIEW

Sports coaching is a semester-based subject in which the students will develop the knowledge and skills required to be a sports coach.

In a theory and practical setting, students will develop an understanding of the requirements of a coach including the ability to plan and conduct sport and recreation sessions.

WHAT STUDENTS WILL LEARN

Students will gain coaching and communication skills via practical coaching sessions. Students will plan and deliver lessons to junior classes and local primary school students.

Students will complete a structured learning task that assesses coaching styles and student analysis. All content taught in theory lessons will be assessed with an end of unit examination.

POSSIBLE FUTURE PATHWAYS

This unit is an excellent first step to sport-specific coaching accreditation. With the completion of the introductory session in the local community students will be eligible for an assistant coach position in the Active After School Communities program.

This is an Australian Government initiative providing primary school children with access to free sport and other structured physical activity programs.

This unit links with VCE Physical Education Units 1, 2, 3 and 4.

Health and PE

Sports Science (10PSS)

OVERVIEW

Students will investigate a range of factors that can enhance an athlete's performance.

Throughout the semester, students will look into the impacts of a variety of factors such as various training methods, role of nutrition, performance enhancing drugs, biomechanics, and sports psychology.

WHAT STUDENTS WILL LEARN

Assessment for the subject will involve the students investigating how we can enhance the performance of a specific athlete, via physiological adaptations and biomechanical analysis.

This will involve students developing an understanding of the fitness requirements of various sports, along with methods that can be used to enhance an athlete's performance. The assessment will require the students to have investigative skills to complete a research project.

POSSIBLE FUTURE PATHWAYS

The content that is covered in Sports Science leads directly into VCE PE.

Students will cover some of the more challenging concepts that are covered in VCE PE, which will enable them to have a head start into the subject.

Health and PE

Outdoor Education (10POE)

OVERVIEW

Outdoor Education provides students with an opportunity to develop a range of practical skills in outdoor environments through participation in extended journey-based camps and excursions. There are both theoretical and practical elements to this course, including basic first aid knowledge & CPR, risk management for outdoor experiences, equipment selection and use, meal planning, weather interpretation and navigation.

Special Notes:

- This subject will incur a fee to cover camps excursions and onsite training.
- Whilst the school has an extensive range of equipment, there will be minimum requirements for students purchasing essential safety equipment.
- Given the nature of this subject, it demands students demonstrate an ability to behave appropriately and follow teacher instructions prior to acceptance in this subject. GPA, attendance and coordinator recommendations may be a factor in acceptance to this subject.

WHAT STUDENTS WILL LEARN

Students will be assessed on their ability to safely and sustainably plan, participate and reflect on a range of outdoor experiences. The subject will expose students to both land and water-based activities and may include pursuits such as hiking, paddling and climbing. Students will engage with a detailed study of the environments they are visiting, including the indigenous heritage, modern human influences and management of the areas.

There will be a strong focus on group management and communication as well as dealing with emergencies and injuries whilst in remote areas. Students will focus on blister management, small wounds, snake bites, severe bleed treatment, CardioPulmonary Resuscitation (CPR) and immobilisation techniques.

POSSIBLE FUTURE PATHWAYS

Outdoor Education offers a range of pathways, further studies in VCE Outdoor and Environmental studies, VCE Environmental Science, Sport and Recreation, VCE Geography as well as future career pathways in environmental management, guiding and outdoor leadership, natural resource management and tourism.

Science

Physics and Flight (10SPF)

OVERVIEW

Is it a bird?

Is it a plane?

No, it's your Year 10 Science elective! The overarching theme of this unit is flight and the various branches of science that relate to this concept. Physics will be the main component of the unit, but aspects of Chemistry and Biology will also be covered.

WHAT STUDENTS WILL LEARN

Students will explore the forces and motion as related to planes (lift, drag, thrust, gravity), rockets, and paper planes. In addition, vectors will be studied as a means of solving problems related to flight, forces and equilibrium and motion and buoyancy in relation to density etc. and hot air balloons (dirigibles). The students will delve into the requirements of a flying machine and compare these to the structural features that allow birds to fly.

POSSIBLE FUTURE PATHWAYS

This elective will suit students who are aiming to continue with VCE Physics. It will provide students with the necessary concepts and skills directly linked to Unit One Physics.

However, the science skills covered in this elective are skills that will be beneficial for preparing to study all VCE Science subjects.

These include:

- Biology
- Environmental Science
- Chemistry
- Physics
- Psychology

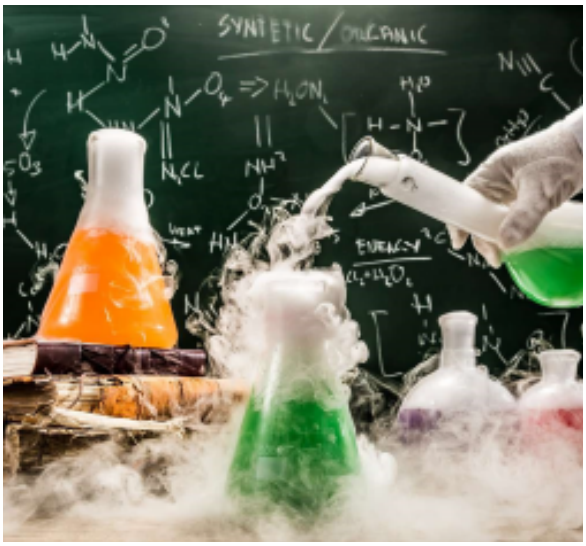
Science

Chemistry (10SCH)

OVERVIEW

Chemistry is sometimes called the ‘central science’ because it connects everything studied in the other sciences. Chemistry really is all around you and this elective is designed to extend and inspire students who enjoy chemistry. Chemical reactions, the periodic table and bonding is explored in this subject.

Students wishing to study Year 11 Chemistry are highly encouraged to take up this subject.



WHAT STUDENTS WILL LEARN

The students will explore many different types of chemical reactions including, acids and bases, precipitation reactions, the reactivity of metals and electrochemistry, combustion and nuclear reactions. Students will also delve into how the atomic structure influences an element's place on the periodic table and how it participates in chemical reactions. Students will gain an understanding of subatomic particles, and how these relate to the types of bonding that occurs between particles. They will learn to write and balance chemical equations. Students will undertake an investigation on how factors affect the rate of reactions and how Chemistry is used in society to solve today’s problems.

POSSIBLE FUTURE PATHWAYS

This elective will suit students who are aiming to continue with VCE Chemistry. It will provide students with the necessary concepts and skills directly linked to Unit 1 Chemistry.

However, the science skills covered in this elective are skills that will be beneficial for preparing to study all VCE Science subjects.

These include:

- Biology
- Psychology
- Chemistry
- Physics

Science

Psychology (10SPS)

OVERVIEW

A highly complex and fascinating subject that considers our thoughts, feelings and behaviours. Year 10 Psychology will provide you with a fantastic foundation for VCE Psychology, but it will also be a journey of discovering you and how you interact with others!

WHAT STUDENTS WILL LEARN

Students will discover what Psychology is, how to become a psychologist as well as the several different specialist fields that psychology can branch out to. They investigate how psychologists undertake scientific research. They will discuss how changing certain variables can influence the results of an experiment. Students are given the opportunity to construct their own experiment and learn the intricacies of reporting their findings to ease their pathway into VCE Psychology.

Students look into how mental health disorders are diagnosed from their different perspectives.

Students will learn about the emotions that they feel and try to explain why they feel them. They will also have an opportunity to explore the complex interactions between people.

Students will learn about the purpose of sleep, what happens during sleep, what can occur when sleep goes wrong and explore some theories of dreaming.

POSSIBLE FUTURE PATHWAYS

This elective will suit students who are aiming to continue with VCE Psychology. However, the science skills covered in this elective are skills that will be beneficial for preparing to study all VCE Science subjects.

These include:

- Biology
- Psychology
- Chemistry
- Physics

Science

Zoology (10SZO)

OVERVIEW

Did you know a snail can sleep for up to three years? Or that bees communicate with each other using 'the waggle dance'?

Zoology is an incredibly diverse subject that considers the complexities that exist in the animal kingdom. Zoology will give students the opportunity to study animals at a variety of scales, from the biology of their cells to the behaviour of whole populations. It will provide students with the biological ideas as to compare how different animals exchange materials with their environments to aid their survival and other concepts needed to support VCE Biology.

WHAT STUDENTS WILL LEARN

Students will investigate a range of biological concepts directly related to the animal kingdom. They will complete a range of tasks that will explore the structural, physiological and behavioural adaptations of a range of organisms that enable them to survive in a particular habitat.

The ethical nature of zoos and animal collections which will be questioned as students delve into how animals are held in captivity and at what expense or purpose? They will investigate how zoo enclosures are created in order to mimic the natural environment of an organism.

POSSIBLE FUTURE PATHWAYS

This elective will suit students who are aiming to continue with VCE Biology. It will provide students with the necessary concepts and skills directly linked to Unit 1 Biology.

However, the science skills covered in this elective are skills that will be beneficial for preparing to study all VCE Science subjects.

These include:

- Biology
- Environmental Science
- Chemistry
- Physics
- Psychology

Science

Medical Science (10SME)

OVERVIEW

This Year 10 Medical Science course introduces students to the biological and ethical foundations of modern medicine.

Students explore ethical issues in medicine and develop an understanding of cell structure and function, including organelles and the plasma membrane, with a focus on the movement of water and substances through osmosis, facilitated diffusion, and active transport.

WHAT STUDENTS WILL LEARN

The course examines cell reproduction in both prokaryotic and eukaryotic cells, including binary fission, the eukaryotic cell cycle, mitosis, and cytokinesis in plant and animal cells. Students investigate stem cells and their properties, including differentiation, specialisation, renewal, pluripotency, and totipotency, and explore how specialised animal cells form tissues, organs, and systems such as the digestive, endocrine, and excretory systems.

The course also covers homeostasis, including the regulation of body temperature, blood glucose, and water balance through stimulus-response models and feedback loops. Students will develop an understanding of meiosis and the production of haploid gametes, including the role of crossing over and independent assortment in creating genetic diversity, preparing them for further studies in biological and medical sciences.

POSSIBLE FUTURE PATHWAYS

This elective will suit students who are aiming to continue with VCE Biology.

These include:

- Biology
- Chemistry
- Physics
- Psychology

Technology

Animation and Game Design (10TAG)

OVERVIEW

Animation and Game Design has been developed for students who are keen to learn how the elements of modern game design come together to keep us entertained. Students will work in teams to develop high-quality game designs within the Super Mario franchise. They develop and animate characters and assets in both the 2-D and 3-D realms, with a view to the role these elements play within game design.

WHAT STUDENTS WILL LEARN

Students will learn to design and develop 2-Dimensional animations using the industry-standard Adobe Animate program. Students will also learn how to create detailed, multi-section 3-Dimensional models in the 3-D modelling and animation software Blender. Students will then apply their knowledge of gaming elements to design and produce highly engaging and desirable game play using Super Mario Maker 2 on the Nintendo Switch.

POSSIBLE FUTURE PATHWAYS

Animation and Game Design can lead to further study in the visual arts, computer graphics, game design and multimedia.

Computer and presentation skills will benefit students in a range of VCE subjects.

Possible links to senior subjects include:

- Applied Computing
- Product Design and Technology
- Art
- Visual Communication
- Media
- VET Creative and Digital Media

Technology

Food for Health and Wellbeing (10TFH)

OVERVIEW

This unit enables students to explore the world of health and wellbeing from a food lense through practical and theory activities. Students will cook a range of popular foods that have been adapted with a healthy flair. At the completion of this unit, students will have developed skills in food planning and preparation that they can apply in real life settings.

Every effort will be made to accommodate dietary requirements, however, it may not always be possible to cater for all requirements in all recipes.

Please note that this subject will attract a fee.

WHAT STUDENTS WILL LEARN

Students will be able to explain and demonstrate safe and hygienic food preparation skills through a range of practical activities. They will learn about macronutrients and micronutrients, how to analyse the components of a food label, and how food is used to fuel our bodies. Students will explore how food marketing, and issues relating to food ethics and sustainability can influence food choices. Students will use the knowledge gained throughout the unit to respond to a design brief and create their own unique dish.

Students will participate in a range of practical activities throughout this unit, including cooking, sensory analysis and product analysis.

POSSIBLE FUTURE PATHWAYS

This elective may suit students who are aiming to partake in VCE Food Studies.

Possible links to senior subjects include:

- Food Studies
- Health and Human Development

Technology

Food and Culture (10TFC)

OVERVIEW

Students will investigate the impact that globalisation has had on the food that we consume every day. Students will complete a variety of practical tasks to demonstrate their understanding of traditional cooking techniques and ingredients from around the world. These activities may include cooking, sensory analysis and product analysis.

Every effort will be made to accommodate dietary requirements, however, it may not always be possible to cater for all requirements in all recipes.

Please note that this subject will attract a fee.

WHAT STUDENTS WILL LEARN

Students will be able to explain and demonstrate safe and hygienic food preparation skills through a range of practical activities relating to food from around the world. Students will explore staple foods and grains from around the world and analyse factors that influence global food security. They follow a design brief to create their own meal adhering to a strict budget. Students will research Asia's influence on Australian cuisine due to globalisation and migration. They will also explore the resurgence of Indigenous foods in contemporary cooking, designing a snack food that incorporates First Nations ingredients.

POSSIBLE FUTURE PATHWAYS

This elective may suit students who are aiming to partake in VCE Food Studies.

Possible links to senior subjects include:

- Food Studies

Technology

Practical Projects (10TPP)

OVERVIEW

Practical Projects is a hands-on elective where students work on real tasks around the school, including construction, gardening, landscaping and general maintenance. The course focuses on developing practical skills, teamwork and problem solving, while also introducing workplace and employability skills. It provides an engaging learning environment where students take ownership of their work, build confidence and explore future pathways into trades and vocational learning.

WHAT STUDENTS WILL LEARN

Students will learn to follow the design process to respond to an identified opportunity or need. They plan, organise, manage and complete practical projects from start to finish. They will develop hands-on skills through activities such as gardening, mulching, landscaping and basic construction, while learning to use tools and equipment safely. Students will also learn how to work as part of a team, follow instructions and solve problems in real situations. The course will introduce workplace skills including quoting, budgeting and basic financial processes. Students will also learn to assess risk, follow safety procedures, and reflect on the quality and success of their work.

POSSIBLE FUTURE PATHWAYS

The study of Practical Projects may lead to the following study pathways:

- Product Design & Technology (Wood)
- Apprenticeships

Technology

Textiles (10TTA)

OVERVIEW

This unit aims to enhance students' creative and practical skills while deepening their understanding of the Fashion Industry and the Product Design Process through a range of practical and theoretical tasks. Students will actively engage in the development of their own Design Folio and product, working through each stage of the design process.

Please note that this subject will attract a fee.

WHAT STUDENTS WILL LEARN

Students will apply The Product Design Process to develop a hoodie from the initial identification of a specific need through to the development of a design brief, establishment of evaluation criteria, production, and completion of the final evaluation.

Students will learn Occupational Health and Safety practices within the Textiles Industry. They will develop and demonstrate competence in the safe and responsible use of a variety of tools and equipment.

Practical projects may include the construction of a customised hoodie, recycling doilies into sustainable dreamcatchers, creating macramé feathers, leaves and hangings, participating in a collaborative weaving project, producing machine-embroidered escape scenes or installations, and designing 3D-printed jewellery and accessories.

POSSIBLE FUTURE PATHWAYS

Possible links to senior subjects include:

- Product Design and Technology (Fashion)

Technology

Digital Technologies (10TDT)

OVERVIEW

In Year 10 Digital Technologies, students delve into the world of Micro:Bits - further challenging their coding skills with new projects and open ended problems. They will build on their previous knowledge of hardware and software; giving them the opportunity to investigate and 'build' their own 'perfect' computer.

WHAT STUDENTS WILL LEARN

Students will investigate how hardware and software manage, control and secure access to data on networked digital systems. They will modify and debug modular programs, applying selected algorithms and data structures, including an object-oriented programming language. Students analyse and visualise data interactively, using a range of software including spreadsheets and relational databases and queries, to draw conclusions and make predictions by identifying trends and outliers.

POSSIBLE FUTURE PATHWAYS

Digital Technologies can lead to careers in Information Technology, such as programming and website development.

Possible links to senior subjects include:

- Applied Computing

Technology

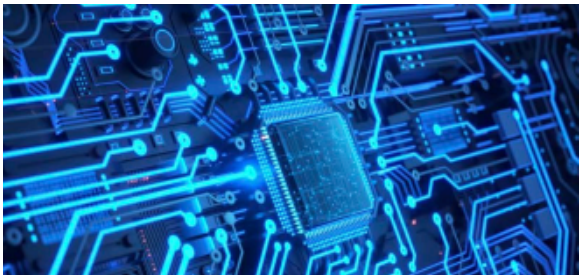
Systems Engineering (10TSE)

OVERVIEW

In Year 10 Systems students will explore different systems, including electrical, robotic and hydraulic, that help support the way we live. Learners will develop skills in designing and making electronic circuits. In addition students will:

- Develop an ability to identify components and select appropriate materials to meet the design requirements.
- Develop an awareness of changes in society due to the introduction of new technologies.
- Develop an appreciation for the safe use of hand tools, machinery and equipment.

Please note that this subject will attract a fee.



WHAT STUDENTS WILL LEARN

Students will investigate engineered solutions and will describe features and components of automated systems. They will learn concepts, principals and components that operate in mechanical systems.

Students will follow the design process to design and produce electro mechanical systems. They will investigate, design and produce a disability lift and hydraulic arm.

POSSIBLE FUTURE PATHWAYS

This subject can lead to careers in a range of Engineering fields, such as Mechanical Engineering, Mechatronics, Electrical Engineering and many more.

Possible links to VCE subjects include:

- Product Design and Technology
- Systems Engineering

Technology

Wood Technology (10TWT)

OVERVIEW

Students gain skills related to designing and producing complex objects. They receive training in the use of hand-held power tools. Students are expected to work through individual projects negotiated with the teacher. These tasks provide the opportunity for students to work on finely detailed components, follow set procedures for construction, and provide inspiration for future projects at higher year levels.

Please note that this subject will attract a fee

WHAT STUDENTS WILL LEARN

Throughout this unit, students will work towards the production of a unique bedside table. They will critique needs and opportunities to develop a design brief and will communicate design ideas through research, visualisation sketches, design options and working drawings. They will plan and manage their project developing and using project plans, taking into consideration time, cost, risk and production processes. Students will design and build a bedside table based on their identified need, and will evaluate the success of their project. They will demonstrate the safe use of tools and equipment to assemble their product and apply their finish.

POSSIBLE FUTURE PATHWAYS

This subject can lead to careers in construction, furniture making, design and apprenticeships.

Possible links to senior subjects include:

- Product Design & Technology (Wood)