



YEAR 10 2027

LAKEVIEW SENIOR COLLEGE SUBJECT SELECTION

Respect | Responsibility | Personal Achievement



CONTENT

- **Subject Selection Process**
- **Accelerated Subject**
- **Elite AFL & Soccer Program**
- **Careers Team**
- **Culture of Excellence in Teaching and Learning**
- **Promotion Policy**
- **Year 10 Structure**
- **Year 10 Subjects Overview**
- **Subject Descriptions**



How Do I Complete the Subject Selection Process?

1. Explore your options:

Carefully read through the subjects available for Year 10 in 2027. Make sure you understand the content covered in each subject and the pathways each subject leads to. While we do have a subject change applications process, we cannot guarantee that all applications will be successful.

2. Meet the requirements:

Choose one elective from each of the four required learning areas:

- Science
- Humanities
- Health & Physical Education
- The Arts and/or Technology

3. Submit your preferences online:

Use your WebCode to log in to <https://my.edval.education/login> and enter your subject selections **before 4pm Monday 17th August**

HOW TO SUBMIT YOUR SUBJECT PREFERENCES ONLINE VIA EDVAL

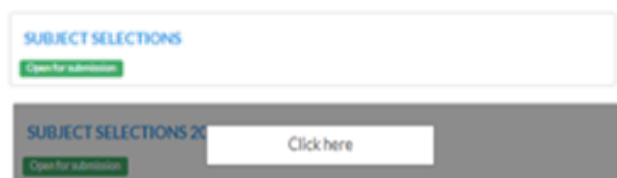
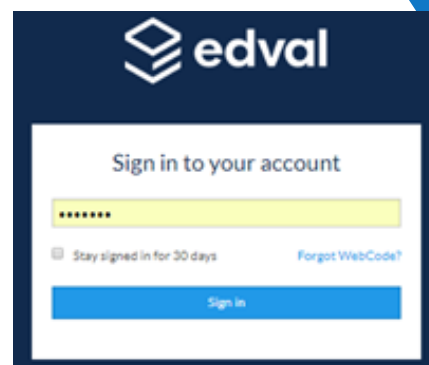
1. Open the internet and log on to <https://my.edval.education/login>
2. Enter your personal web code and click the sign in button
3. Click on the Subject Selections 2027 box (click here will appear)
4. Start in the “Main Units” box and use the drop-down boxes to select your subject preferences
 - Start by choosing English or EAL
 - Select the appropriate maths strand (General or Methods)
 - Select a compulsory Science, Humanities, Health/PE and Arts/Technology subject
 - Select two free choice subjects. These can be from any subject area.
 - Enter your back up choices under the “Reserve Units” box
 - Important Note:** Each subject selection must be different. You cannot select the same subject more than once. The system will not allow duplicate entries.
5. Check that you have entered a subject in every box
6. Check that you are happy with your subject choices.

Please note: Carefully review your preferences. Subject changes may not be possible after submission.
7. Scroll down and click submit to finalise your choices

Once submitted, your subject selections will be automatically emailed to:

lakeview.senior.co@education.vic.gov.au

Please ensure all selections are completed and submitted no later than **4:00pm, Monday 17th August 2026**



Main Units	Subject	Units
English	English	2
Mathematics	Mathematics	2
Science Preference	Biology	1
Humanities Preference	Commerce	1
Health/PE Preference	Adolescent Health	1
Art/Technology Preference	Digital Art	1
Free Choice 1	Visual Communication & Design	1
Free Choice 2	IT Mechanics	1
		Total 10

Reserve Units	Subject	Units
Free Choice 5	History	1
Free Choice 6	Physical Education	1





ELITE AFL & SOCCER PROGRAM

Elite Sport and Recreation Program: AFL or Soccer Development

These two Year 10 programs provide our students with a year of preparatory activities to best support them in being successful in the Year 11 and 12 Sport and Recreation course. This program is a year-long preparatory course for Year 10 students. In Year 11 and 12, we offer students the opportunity to undertake a Certificate III in Sport and Recreation with either an AFL or Soccer focus. However, spaces are limited and completing year 10 AFL or Soccer does not guarantee you a place in year 11 and 12.

Students' level of sporting ability and commitment to playing with a club outside of school will be considered as an important part of the selection process, along with their academic application, effort and attitude to school. The majority of this course will have a practical focus, however some theory is required to best prepare students for the Year 11 and 12 program.

Students wishing to participate in this program in Year 10 will need to contact Michael Pisani (AFL) or Anthony Cotroneo (Soccer) directly to enquire about the application process. Students who apply for the program will be contacted via letter and provided with a time to complete the fitness/skills testing (this testing will occur towards the end of Term Three, 2026).



AFL: Michael Pisani – michael.pisani@education.vic.gov.au



Soccer: Anthony Cotroneo – anthony.cotroneo@education.vic.gov.au

**Please ensure that your subject preferences are completed online by 4pm
Monday 17th August, 2026.**

ACCELERATION AND EXTENTION OPPORTUNITIES

VCE Subjects

Students have the opportunity to undertake a Year 11 VCE subject in Year 10. Information regarding VCE subjects can be found in the Year 11 component of the Year 10, VCE and VCAL Subject Selection handbook under the “Parent Information” tab on our school website:

www.lakeviewcollege.vic.edu.au .

If you need any further support or have any questions please contact

Assistant Principal Kelly Higgins

kelly.higgins@education.vic.gov.au ph: 9219 3100.

Students who are interested in applying to complete an accelerated subject need to complete an application form and submit to the school in person or via email before 4pm on Monday 17th of August. Students who apply for this program will be contacted via letter and provided with a time to complete Literacy Testing late in Term Three. If their test results reflect that they are year 11 ready they will then be invited to attend an interview as the final step in this process.

LAKEVIEW CAREERS TEAM

have any questions?



Kelly Higgins

Year 10 Assistant Principal

kelly.higgins@education.vic.gov.au



Evette Kovacevic/John Parashis

Careers Practitioner

evette.kovacevic@education.vic.gov.au

john.parashis@education.vic.gov.au



Reis Taylor

Cross College Careers Practitioner

reis.taylor@education.vic.gov.au

please contact us with any questions
9219 3100

LAKEVIEW TEACHING & LEARNING

At Lakeview Senior College we have developed a set of practices where all teachers:

- believe that students can learn, achieve and succeed
- build positive relationships with students
- have expert knowledge of course content and expert teaching skills
- assist students to understand and demonstrate the skills and knowledge required to achieve success

A College-wide shared understanding of curriculum and assessment enhances the learning opportunities for our students and the professional knowledge and capacities of all staff.

Teaching and Learning practices and guidelines at Lakeview Senior College aim to provide:

- Teachers with skills, common knowledge and resources to improve learning outcomes for all
- Teachers with confidence to differentiate the curriculum based upon their knowledge of their students
- Students with an appropriate level of challenge in their learning tasks
- Parents/guardians and students with meaningful feedback that enhances future learning
- Links and access to a range of assessment tools and techniques within subjects and certificates
- All students with the experience to build learning confidence and achieve success in subject, unit and certificate completion

These practices are achieved by:

- An underpinning belief that all students can learn and succeed
- Reflecting upon and analysing relevant data that supports professional development in relation to improving student outcomes
- Employing assessment practices based on Assessment FOR, AS and OF learning
- Adopting consistent practices across all certificates and year levels (e.g. moderation, cross marking)
- Providing students with multiple options to demonstrate understanding of outcomes and/or demonstration of competence to a satisfactory level or standard

PROMOTION POLICY

Rationale

This policy aims to:

- Ensure students are supported by college staff in the successful completion of their studies
- Encourage and motivate students to achieve their maximum potential
- Provide clear expectations to students, their parent/guardians and the teaching staff
- Ensure students, caregivers and staff are aware of the demands of the VCE to enable students to reach their potential in Year 12.

Guiding principles

- To better prepare students for the demands of the VCE, in terms of meeting deadlines, submitting work, study skills, attendance and satisfactory completion of units.
- To provide a clear and consistent framework within which decisions regarding student future pathways are made.

Implementation

In order to achieve a Satisfactory result in a semester/Unit, students are required to:

- Meet Attendance Policy requirements of 90% attendance
- Satisfactorily demonstrate an understanding of the skills and knowledge for each Outcome in the semester/Unit

Consequences of failure to meet promotion requirements may include consideration of alternative pathways, alternative settings and provisional enrolment at the next year level. Repeating a year will only occur in exceptional circumstances.

Year 10 students are required to successfully complete:

- 9 out of 12 units over the year
- at least 4 out of 5 units in Semester 2, which must include English
- Elite Soccer and AFL students who do not pass both units of Foundation Maths or their Accelerated subject will not be able to access the Elite Sport and Recreation Program in year 11 and 12

In order to access a scored VCE Program, students must also achieve at least 40% in four or more of their Semester Two exams.

Students who select a subject/s in which they scored below 40% in the exam will be required to complete and commit to an Academic Support Plan.



Lakeview Senior College

YEAR 10 STRUCTURE

Compulsory Subjects

English, Mathematics and Connections are compulsory and run for the entire year.

Compulsory Electives

Students must choose at least one unit to complete for one semester from the areas of:

- Science
- Humanities
- Health and Physical Education
- Technology and the Arts

Optional Electives

Students are able to choose other units to complete over the year from any of the areas listed in the subject table on the previous page. They should choose subjects based on what they enjoy and are successful in.

Subjects	SEMESTER ONE	SEMESTER TWO	Units
1	ENGLISH/EAL Compulsory all year		2
2	MATHEMATICS Compulsory all year – General or Extended		2
3-4	ELECTIVE ONE (Humanities)	ELECTIVE TWO (Science)	2
5-6	ELECTIVE THREE (Health & PE)	ELECTIVE FOUR (Arts or Technology)	2
7-8	ELECTIVE FIVE (Free Choice)	ELECTIVE SIX (Free Choice)	2
9-10	ELECTIVE SEVEN (Free Choice)	ELECTIVE EIGHT (Free Choice)	2
			Total: 12

YEAR 10 CURRICULUM

Compulsory Subjects:

- English/EAL (compulsory in both Semesters)
- Mathematics (compulsory in both Semesters. NAPLAN results, year 9 Maths results and end of year PAT testing will determine which compulsory Maths subject a student will complete as part of their year 10 Program)

Elective Subjects:

- Science (must do one semester from the electives list below)
- Technology and the Arts (must do one semester from either of the elective blocks list below)
- Health and Physical Education (must do one semester from the electives list below)
- Humanities (must do one semester from the electives list below)

LOTE, Literature and Specialist Maths are extension options that run for a Semester.

ENGLISH/EAL* Compulsory: • English/EAL (English as an Additional Language) Elective: • Literature	MATHS Compulsory: • General Maths (Year Long) <u>OR</u> • Maths Methods (Year Long) Elective: • Specialist Maths I	LOTE • French (Year Long)
HEALTH & P.E • Physical Education • Strength & Conditioning^ • Health Promotion • Adolescent Health • Food Studies^ • Outdoor Education^ • AFL Development^ (Year Long) • Soccer Development^ (Year Long)	THE ARTS • Visual Communication Design • Art Making and Exhibiting • Digital Art and Design • Drama/Theatre studies • Music • Media	HUMANITIES • 20th Century History • Australian & Global Politics • Commerce • Geography • Sociology • History of Sport • Introduction to Philosophy • Legal Studies
SCIENCE • Biology • Chemistry^ • Environmental Science • Physics • Psychology • Core Science	TECHNOLOGY • Product Design^ • Computing • Systems Engineering^	VCE STUDIES • Any VCE Subject other than English and Maths.

***EAL – eligibility for EAL must be confirmed prior to enrolment in this subject.**

^ Curriculum contributions requested for items or activities students will use or participate to access the curriculum

ENGLISH

YEAR 10 ENGLISH/EAL

ENGLISH/EAL

COURSE CONTENT

Theory

English examines a broad range of spoken and written texts, including literature and the mass media, both print and non- print, which are discussed and analysed to develop in students a knowledge of how language varies according to context, purpose, audience and content and the capacity to apply this knowledge.

Semester One

- Text Response
- Using Language to Persuade
- Oral Presentation
- Exam

Semester two

- Creating Texts
- Text Response
- Using Language to Persuade
- Exam

PATHWAYS INTO VCE OR VCE VM

VCE: English and Literature

Vocational Major: Literacy



*EAL is English as an additional Language. This was formally called ESL.

*EAL applicants - Speak to Kelly Higgins (Assistant Principal) on 9219 3100 or kelly.higgins@education.vic.gov.au to confirm eligibility in 2026 and beyond. All students who have been living in an English speaking country for less than 7 years and were NOT instructed in English in their previous country of residency qualify for EAL. You may be asked to provide evidence.

LITERATURE

LITERATURE

Course Content

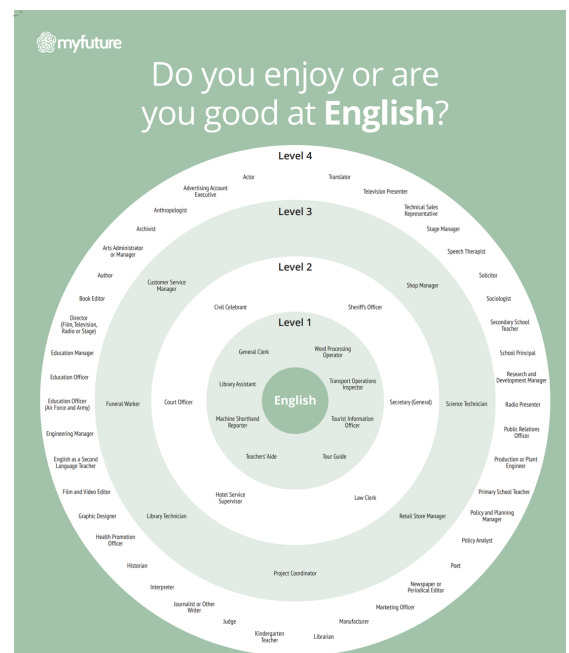
Theory

The study of literature focuses on the enjoyment and appreciation of reading that arises from discussion, debate and the challenge of exploring the meanings of literary texts. Students will explore the relationship between the text, the context in which it was produced and the experience of life and literature the reader brings to the texts. The study of literature encourages independent and critical thinking in students, analytical and creative responses to texts. We explore:

- Plays & poetry
- Film texts & fiction
- Both creative writing and developing your own critical perspective of texts

PATHWAYS INTO VCE OR VCE VM

VCE: English or VCE: Literature



MATHEMATICS

GENERAL MATHS

COURSE CONTENT

Theory

Students are required to study Mathematics up until the end of Year 10. General Mathematics runs throughout the whole year. In this subject, students will study the topics of:

- Algebra
- Statistics
- Linear Relationships
- Probability
- Geometry
- Measurement
- Trigonometry
- Financial Maths

PATHWAYS INTO VCE OR VCE VM

Students can go from General Mathematics into VCE-Vocational Major Numeracy or VCE General Mathematics. Students selecting this course will not be able to select VCE Mathematical Methods or Specialist Mathematics. Students wishing to access these subjects must complete Extended Mathematics and Advanced Mathematics in Year 10 as this provides them with the skills they will need, especially in Algebra.

Note: This is a year-long study

MATHEMATICAL METHODS

COURSE CONTENT

Theory

Students are required to study Mathematics up until the end of Year 10. Mathematical Methods runs throughout the whole year and students are encouraged to consider taking it in conjunction with Specialist Mathematics. Mathematical Methods is designed to prepare students for VCE Mathematical Methods. The content of Mathematical Methods is designed to challenge strong maths students. In this subject, students will study the topics of:

- Indices and surds
- Algebra and linear functions
- Quadratics and higher polynomials
- Circular functions
- Probability
- Coordinate geometry

PATHWAYS INTO VCE OR VCE VM

Students can go from Mathematical Methods into VCE Mathematical Methods (CAS) only or in conjunction with Specialist Mathematics, VCE Mathematical Methods (CAS) and Specialist Mathematics.

Students can also elect to choose VCE General Mathematics in Year 11.

Note: This is a year-long study

SPECIALIST MATHEMATICS

COURSE CONTENT

Theory

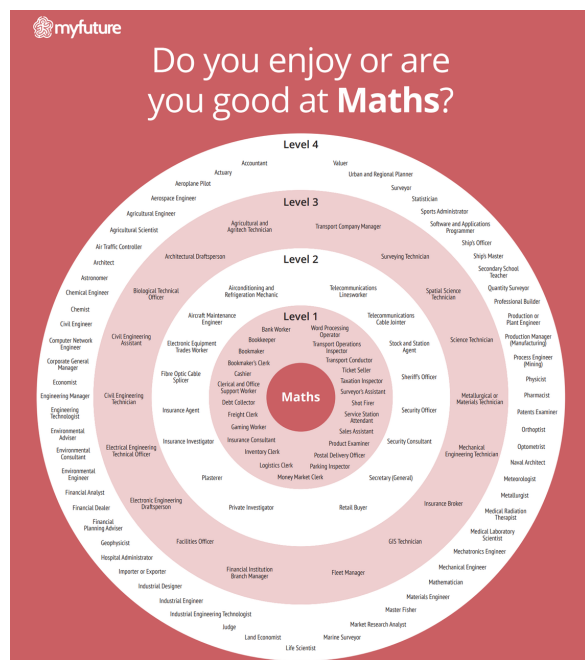
Students are required to study Mathematics up until the end of Year 10. Specialist Mathematics runs for one semester and can only be taken in conjunction with Mathematical Methods. Specialist Mathematics is designed to prepare students for VCE Specialist Mathematics, which must be studied in conjunction with VCE Mathematical Methods. The content of Specialist Mathematics is designed to challenge strong maths students. In this subject, students will study the topics of:

- Surds and Indices
- Logarithmic Functions
- Circular Functions
- Vectors
- Complex Numbers

PATHWAYS INTO VCE OR VCE VM

Students can go from Specialist Mathematics in conjunction with Mathematical Methods into VCE Mathematical Methods only or VCE Mathematical Methods and Specialist Mathematics. Students can also elect to choose VCE General Mathematics in Year 11.

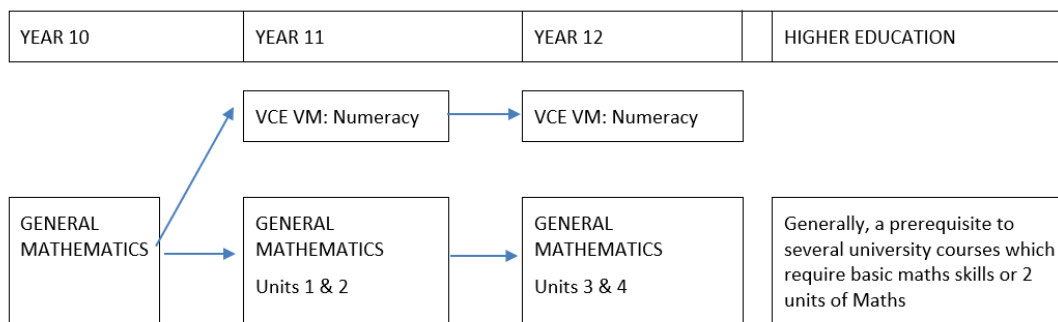
Note: This is a semester long study



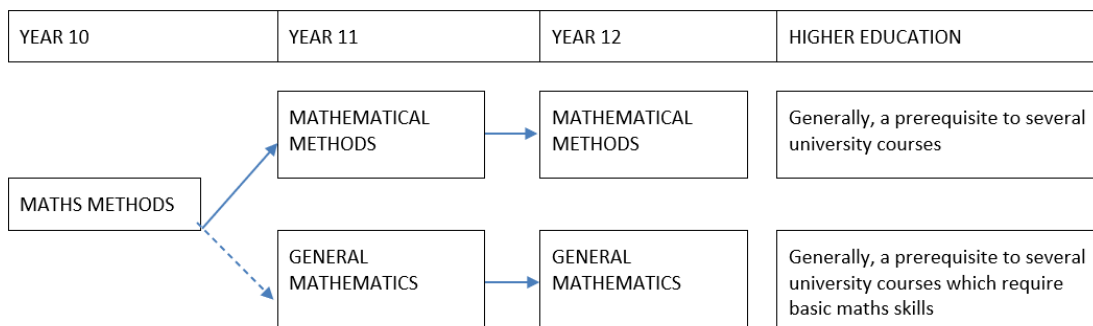
MATHEMATICS

PATHWAYS

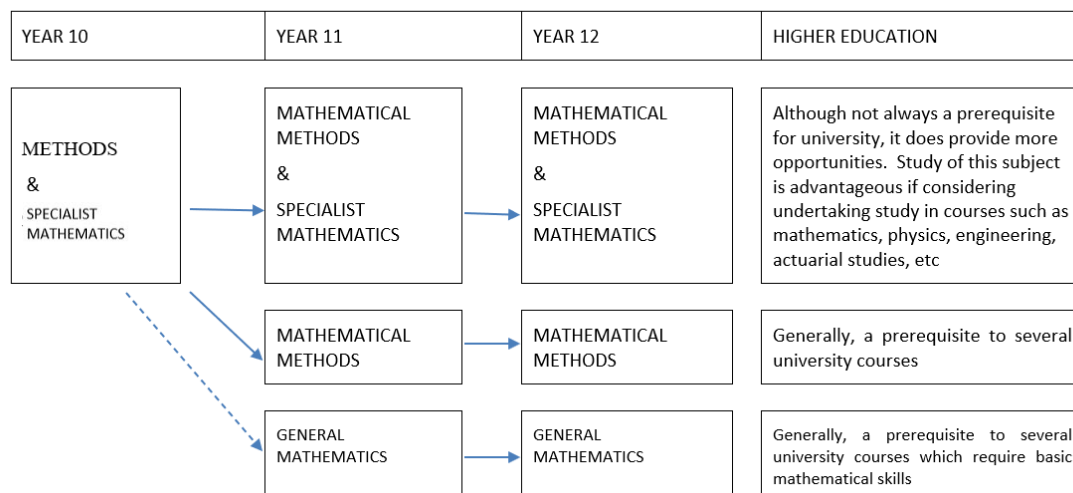
General Mathematics – Pathway



Maths Methods – Pathway



Maths Methods and Specialist Mathematics - Pathway



LANGUAGES OTHER THAN ENGLISH (LOTE)

FRENCH

The ability to use a language other than English and more between cultures is important for full participation in the modern world, especially in the context of increasing globalisation and Australia's cultural diversity

- Learning a language offers students the opportunity to:
- Use the language to communicate with its speakers
- Understand how language operates as a system and, through comparison, how other languages, including English, are structured and function.
- Gain direct insights into the culture or cultures of countries and communities where the language is spoken
- Add to their general knowledge
- Enhance their vocational prospects

PATHWAYS INTO VCE OR VCE VM

- VCE French



FOOD TECHNOLOGY

FOOD STUDIES

COURSE CONTENT

In this unit students develop an understanding of food safety and hygiene within the kitchen and the importance of correct temperatures and storage of food. Students learn about various aspects that influence the cuisines of different countries around the world. They then choose a country to research and present a report on. Students are introduced to the design process and investigate and design a menu based on their country of choice for their own individual design brief. They then choose one of the dishes, which they cook and evaluate.

Theory

- Explain and apply safe and hygienic work practices when storing, preparing and processing food
- Research various influences on the cuisine of one specific country, including history, celebrations, exports, geography and cooking techniques.
- Design and prepare a dish based on the cuisine of their chosen country.

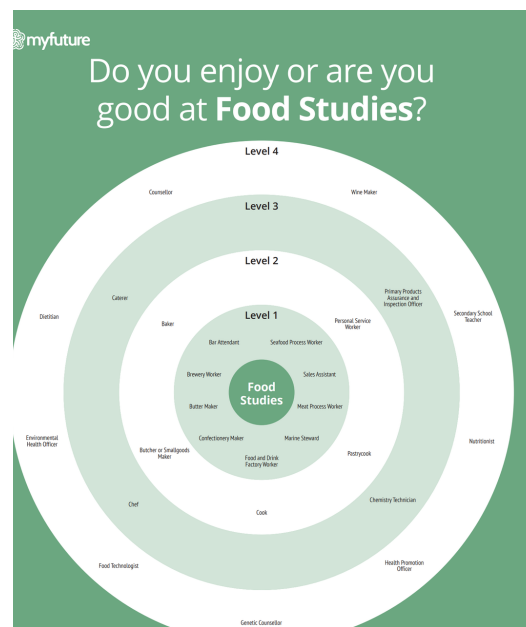
Curriculum Contribution

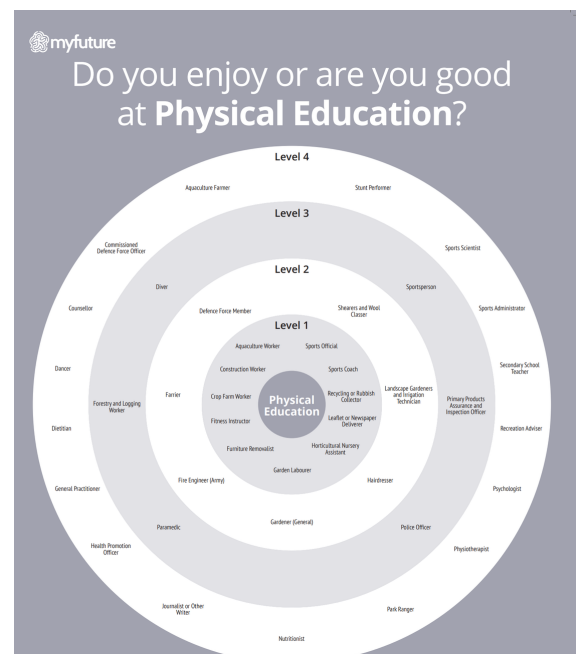
\$75

PATHWAYS INTO VCE OR VCE VM

VET Hospitality

VCE Food Studies





PHYSICAL EDUCATION

In this unit, students focus on two outcomes; Musculoskeletal System and the Cardiovascular/Respiratory System.

Students will transfer knowledge and content from theory sessions into practical sessions by collecting and analysing information from, and participating in a variety of practical activities and lab experiments to explain how the Musculoskeletal system and Cardiovascular/Respiratory systems function and their limiting conditions.

Students will be introduced to a variety of non mainstream sports and activities in practical sessions including Ultimate Frisbee, Thunderhoc, Tennis, Table Tennis, Badminton, Pickleball, Lacrosse, European Handball and Korfball.



STRENGTH AND CONDITIONING

COURSE CONTENT

Strength and Conditioning for Sport & Recreation will explore a variety of theory principles for both organised sport and everyday recreation activities. The focus will be on utilising the strength and conditioning school-based gym to develop healthy lifestyles and habits for all fitness levels.

Theory

- Types of Strength and Conditioning specialists
- Develop industry knowledge
- Preparing for Strength and Conditioning
- Muscle groups required for participation in sport and recreation activities
- Nutrition basics for Sport and Recreation
- Fitness Components and Strength and Conditioning testing
- Types of Strength and Conditioning regimes, techniques and equipment
- Overtraining, goal setting and evaluation

Practical

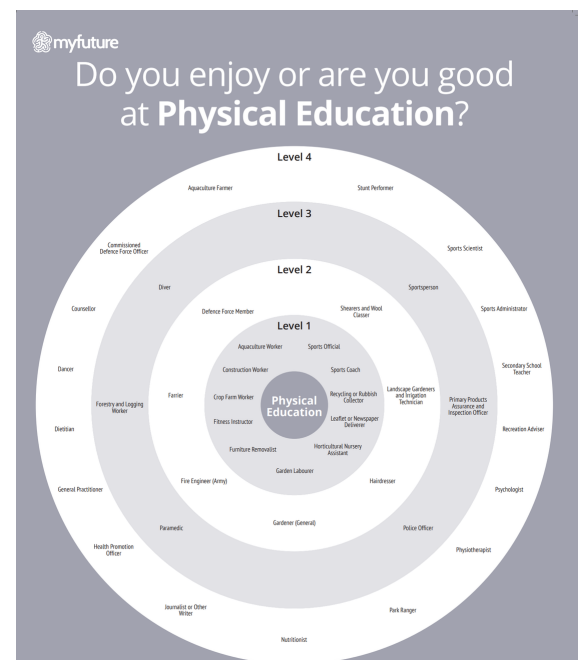
Students will be participating in 2-3 hours per week of practical training sessions. Sessions will also include guest presenters and excursions in a variety of Strength and Conditioning environments for Sport & Recreation.

Curriculum Contribution

• \$100

PATHWAYS INTO VCE OR VCE VM

VCE Physical Education
VCE Health and Human Development.
VET Sport & Recreation



AFL DEVELOPMENT/ SOCCER DEVELOPMENT

COURSE CONTENT

These two Year 10 programs provide our students with a year of preparatory activities to best support them in being successful in the Year 11 and 12 Sport and Recreation course. In Year 11 and 12, we offer students the opportunity to undertake a Certificate III in Community Recreation with either an AFL or Soccer focus. This program is a yearlong preparatory course for Year 10 students.

Students level of sporting ability and commitments outside of school in either Soccer or AFL will be considered as an important part of the selection process, along with academic application, effort and attitude to school. This subject prepares students for access to the elite Sport & Recreation (AFL or Soccer) course in Year 11 and 12.

Theory vs Practical Sessions

The majority of this course will have a practical focus, however some theory is required to best prepare students for the Year 11 and 12 program.

PATHWAYS INTO VCE OR VCE VM

VET Sport and Recreation (Soccer or AFL) and VET Outdoor Recreation
VCE Physical Education.

Curriculum Contribution

Program \$450 (approximate)
Extra-curricular items

• Uniform cost \$265 (approximate)

Please note that costs will be confirmed in Term 4, 2026. **NOTE: This is a year-long study**



THE ARTS

VISUAL COMMUNICATION & DESIGN (VCD)

COURSE CONTENT

Theory

Students will explore how visual communication works by learning to describe and analyse images using the elements and principles of design. Students will gain an insight into the four main fields of design and will be introduced to human-centred design approaches.

Practical

Students will develop a range of drawing and digital design skills. This may include creating perspective and orthogonal drawings, learning rendering techniques, and working with industry-standard software such as Adobe Illustrator. Students will follow stages of the design process to respond to creative briefs and develop visual solutions.

PATHWAYS INTO VCE OR VCE VM

VCE Visual Communication Design
VCE Product Design and Technologies

ART MAKING & EXHIBITING

COURSE CONTENT

Theory

Students will learn about different art styles such as Expressionism, Cubism and Surrealism. They will learn about colour theory and how to analyse artworks using the elements and principles of art. Students will undertake a written exam at the end of the semester based on the artists and art styles they have covered throughout the semester.

Practical

Students will design and create a large acrylic painting based on an art style. They will create a work brief and folio based on their own individual theme or topic. They will develop ideas in their folio that explore a range of mediums and techniques and finally resolve their ideas in a finished artwork.

Curriculum Contribution

\$60

PATHWAYS INTO VCE OR VCE VM

VCE Art Making & Exhibiting

DIGITAL ART & DESIGN

COURSE CONTENT

Theory

This course explores how digital tools have transformed the world of art and design. Students will discover how artists and designers use programs like Photoshop, Illustrator and Animate to create bold, eye-catching and meaningful work. They'll analyse exciting examples of contemporary digital art, street-style design, visual storytelling and more, while also learning how their own ideas and identities can shape creative projects.

Practical

Digital Art and Design is a hands-on, creative subject designed for students who love experimenting with visuals, telling stories, and trying new tech-based artforms. The course is divided into three fun and engaging areas of study:

- Digital Art Playground – Students dive into the world of digital illustration, photo editing and visual styles. They'll explore different art movements and experiment with tools to create bold, personal artworks with impact.
- Design Your World – Students take on the role of a designer, building a unique brand around something they love (music, gaming, fashion, sport—you name it!). They'll design logos, layouts and digital interfaces, learning how to use design to grab attention and communicate clearly.
- Animate a Story – Students plan and create their own 20–30 second animated short using Adobe Animate. From character design to backgrounds and movement, they'll bring a mini story to life with style and personality.

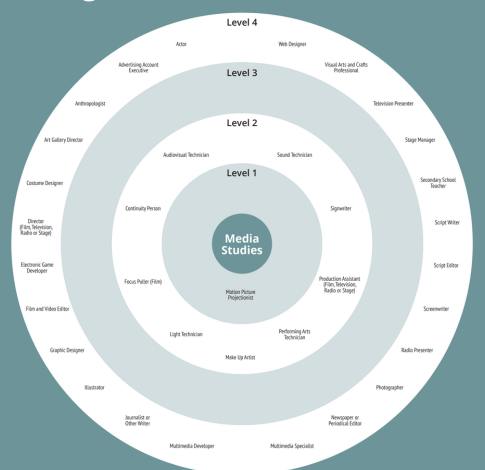
Throughout the course, students build a digital folio that showcases their creative thinking and technical skills.

PATHWAYS INTO VCE OR VCE VM

VCE Art Making and Exhibiting
VCE Visual Communication Design
VCE Media



Do you enjoy or are you good at **Media Studies**?



MEDIA

COURSE CONTENT

Theory

Students will analyse and develop an understanding of the ideas and concepts behind film, television, online media content, photography and the people who created them. Through this understanding students will develop a greater appreciation for the creation of media products and apply these skills to their own practical tasks.

Practical

Students will need to learn how to use DSLR cameras, edit images using Adobe Photoshop and cut footage using iMovie and Adobe Premiere. By the completion of the course students will understand the elements of pre-production, production and post-production by planning, researching and storyboarding their ideas, operating cameras, editing and finally participating in screenings, class exhibitions and ongoing evaluations.

PATHWAYS INTO VCE OR VCE VM

VCE Media

DRAMA/THEATRE STUDIES

COURSE CONTENT

Theory

Some of the theoretical concepts covered:

- Theatre styles throughout history eg. Theatre of the absurd, Brecht, Musical Theatre just to name a few
- Study of a play and theatrical elements in context
- Dramatic principals and elements such as tone, rhythm etc..
- This includes drama terminology and written analysis of works, along with recording ideas of stage craft for performances.
- Exploration of drama terminology to be imbedded in a written analysis of a piece of theatre
- Strong focus on dramatic elements such as tone, rhythm, voice etc..

Practical

1 -2 hour sessions a week

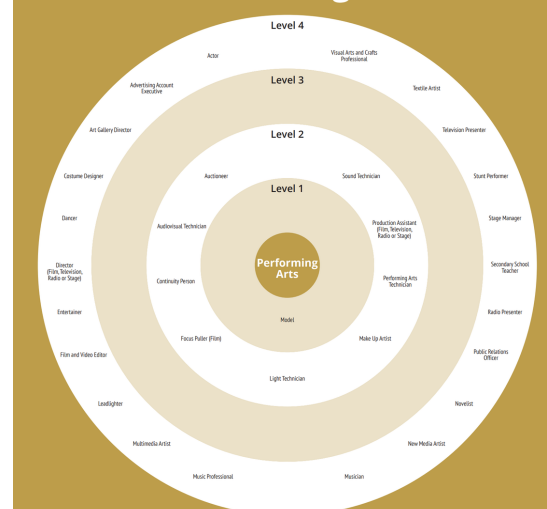
- Range of activities to explore dramatic elements whilst encouraging teamwork and creativity.
- Rehearsals of selected text or scenes where students can explore a range of theatre element, including lighting, sound, acting etc.. that will then be performed in front of a live audience, to celebrate students achievements.
- Creation of original work based on stimulus materials.

PATHWAYS INTO VCE OR VCE VM

VCE Year 11 and 12 Drama

VCE Year 11 and 12 Theatre Studies

Do you enjoy or are you good at **Performing Arts**?



MUSIC

COURSE CONTENT

Theory

Students will be developing their skills in music theory and aural comprehension in preparation for VCE or VET. Students will also be analysing songs from different styles of music and learning to read all forms of sheet music.

Practical

Students will be developing skills on their chosen instrument.

Selecting songs to perform in a group and solo context.

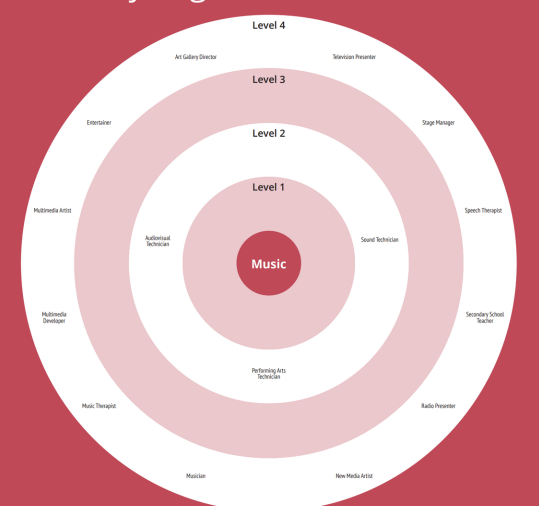
Instrumental music lessons are compulsory and students must attend their lesson once per week.

PATHWAYS INTO VCE OR VCE VM

VCE Music Performance

VET Music (Industry Skills)

Do you enjoy or are you good at **Music**?



SCIENCE

The following four studies prepare students for VCE science in Year 11. Students are encouraged to complete as many of the following VCE Preparation Science studies as they like in order to best prepare themselves for VCE science.

BIOLOGY

COURSE CONTENT

Theory

Students will learn the structure and function of organelles in the cell and the various processes which occur to sustain life. Students will also look at the ways we inherit our characteristics, how we inherit disorders and how mutations occur are all covered in this course. A student designed practical investigation will also be incorporated to build skills for VCE.

Practical

- Microscopes
- Photosynthesis
- Cellular Respiration
- Enzymes

PATHWAYS INTO VCE OR VCE VM

VCE Biology



CHEMISTRY

COURSE CONTENT

Theory

Students will begin to build a foundation into the concepts of VCE Chemistry. Students will look at atomic theory, trends of the periodic table, chemical reactions, green chemistry and chemistry calculations. Students will use a range of practical activities incorporating the theory being learnt and allowing students understand and consolidate their knowledge through the power of observation.

Practical

Practical activities include chemical investigations into electrical conductivity of different substances, observation of different chemical reactions, investigating different effects on rate of reaction, investigating law of conservation and applying that to chemical calculations.

Curriculum Contribution

• \$20

PATHWAYS INTO VCE OR VCE VM

VCE Chemistry

PHYSICS

COURSE CONTENT

Theory

Physics describes the world we live in. Everyday we experience or are affected by the laws of Physics. In Physical Science we answer the 'everyday' questions. 'How fast was Usain Bolt running when he broke the WR?' 'How does a plane fly?' 'What is electricity?' 'What happens in a car crash?' and 'What keeps the Sun burning?' Students also explore some of the more profound questions of life such as, 'What are the origins of the Universe?'

In this subject students will study the topics of;

- Motion and Newton's laws
- Work and Energy
- Astrophysics
- Electricity
- Flight

Practical

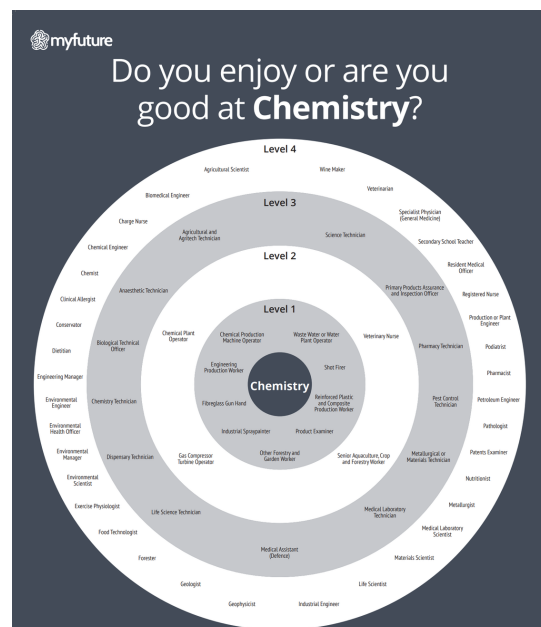
Physical Science includes many practical investigations and experiments where students examine the laws and theories that Physicists use to describe the world. Through practical activities students will be exposed to the method of scientific investigation and use a range of equipment available at the College.

In this subject students will;

- Investigate Motion using dynamics carts, stopwatches and ticker-timers.
- Build and analyse simple circuits using ammeters and voltmeters.

PATHWAYS INTO VCE OR VCE VM

VCE Physics



PSYCHOLOGY

COURSE CONTENT

Theory

In this subject students will obtain an understanding of the scientific nature of psychology while exploring specific areas within the psychology profession. They will investigate how psychologists use various research methods to gather information that form psychological theories and knowledge. Neuropsychology (brain), Clinical Psychology (mental illness) and Forensic Psychology (criminal focus) are the three areas which will be explored in more detail. Students will look at the roles of psychologists who work in these areas as well as explore "real life" case studies.

Practical

Brain dissection

Nervous system (class model)

Various DVDs, movies and short clips to support theory

PATHWAYS INTO VCE OR VCE VM

VCE Psychology

The following science studies are available as general Year 10 science electives:

CORE SCIENCE

COURSE CONTENT

Theory

Students will investigate a variety of topics spanning all Science areas. The features of the atom will be covered as will the similarities and differences amongst groups of elements. Students will demonstrate the understanding of how the Big Bang theory can be used to explain the origin of the universe and they will also explore the features that the universe contains including galaxies, stars and solar systems.

Students will evaluate evidence for evolution including fossil record and other biochemical evidence as a means to explaining the characteristics of modern day animals. Throughout the course students will be conducting experiments, developing analytical skills and identifying safety risks and impacts on animal welfare and ensuring these are effectively managed within an investigation. This subject is recommended for students who are interested in experiencing a little of Biology, Chemistry and Physics to assist them in making a decision about which Science subject to study at VCE. It can be taken alongside Environmental Science and/or Psychology.

Practical

- Non Newtonian Fluid experiment
- O-wing design practical
- Conservation of mass investigation
- Ethical issues in science presentation



ENVIRONMENTAL SCIENCE

COURSE CONTENT

Theory

The subject focuses on the environment and its components. Students will investigate the function of ecosystems and the interactions between the ecological components, mainly based on native grasslands. Students will be looking at human-induced and natural impacts effecting the environment, taking into consideration the main spheres of Earth; atmosphere, hydrosphere, lithosphere and biosphere. It presents students with the opportunity to consider these effects and ways in which to reduce the impact.

Practical

Students will conduct a number of environmentally based experiments/excursions related to concepts learned which will allow them to apply their skills and further their knowledge

PATHWAYS INTO VCE

VCE Environmental Science

VCE Geography

VCE Outdoor Ed and Environmental Studies

HUMANITIES

20TH CENTURY HISTORY: CONFLICTS

COURSE CONTENT

Theory

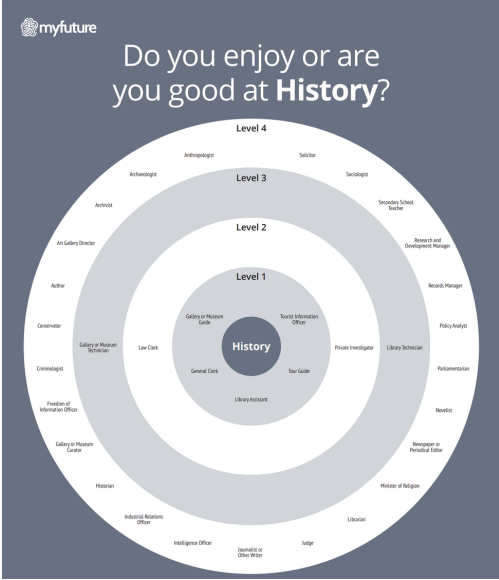
In year 10 history we focus on the modern world and Australia from 1918 to the present with an emphasis on Australia and its global context. We will examine the causes, events, outcomes and broader impacts of World War Two experiences; focussing on the rise of Nazism, The Holocaust, the Japanese and the nature of Australia's involvement. We will also look at policies that influenced migration and Australia's changing identity.

Students will develop the following essential skills:

- Analysing historical documents
- Using evidence to support interpretations
- Understanding cause and effect

PATHWAYS INTO VCE OR VCE VM

VCE History



HISTORY OF SPORT

COURSE CONTENT

Theory

Sport is imbedded in Australia's history and culture and has played an important role in shaping our national identity. In The History of Sport, students will consider the impact of sport on Australian society as well as researching the history and origins of sports in Australia. Students will also concentrate on the modern Olympics and explore the numerous aspects that influence the world's leading sports competition. The History of Sport provides students with the opportunity to investigate their interests as well as discover the roles and significance that sport plays in our history.

PATHWAYS INTO VCE OR VCE VM

VCE History

AUSTRALIAN & GLOBAL POLITICS

COURSE CONTENT

Theory

This unit begins with a focus on what political power is, including different types of power and how people use this power in Australia. Students consider the concept of democracy and investigate the democratic process in Australia. The unit also asks why people become involved in politics to become active citizens. Students investigate the concept of an international community, how our lives have been changed by globalisation and what responsibilities we have as global citizens. Students will consider how well the international community manages conflict around the world. Students will study key global actors such as the United Nations and evaluate the relative success or failure of key global actors in resolving issues such as war and environmental challenges.

PATHWAYS INTO VCE OR VCE VM

VCE Politics

VCE Legal Studies

COMMERCE

COURSE CONTENT

Theory

Commerce examines a broad range of issues related to the operation of businesses in the national and international economy. It considers the role played by consumers, businesses and Governments in economic decision making and resource allocation. It also considers the role and development of small and large businesses in Australia and the significance and importance of these businesses to the Australian economy.

Students explore a variety of key topic areas including:

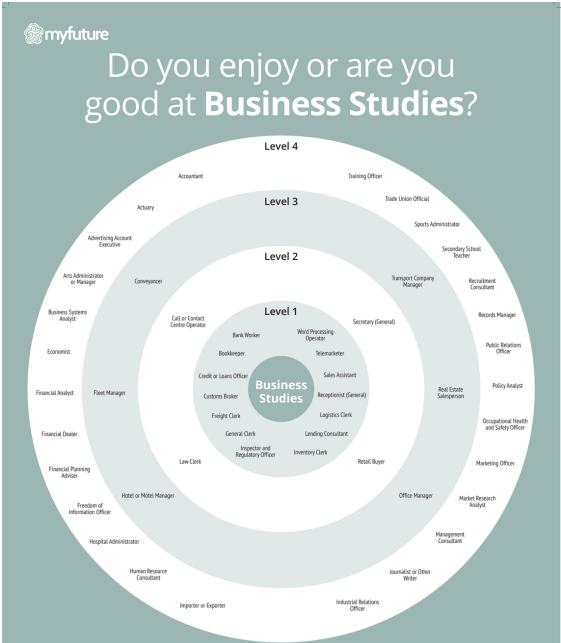
- Economic decision making
- Small Business Accounting
- Small Business Management and development

PATHWAYS INTO VCE OR VCE VM

VCE Business Management

VCE Accounting

VCE Economics



SOCIOLOGY

COURSE CONTENT

Theory

Sociology is the study of human behaviour and social interaction to understand how societies are organised, develop and change. Students are encouraged to draw upon scientific methods and sociological theories to question their own assumptions of human behaviour and social interactions. In a world driven by opinions, social standards and technology we often just accept that society is just the way it is. However, studying Sociology assists students in gaining an appreciation and an understanding of human behaviour and social structures. Students will study topics centred on the experiences of youth over time, comparing the challenges faced by previous generations to those of today. They will also explore the formation and development of communities and sub-cultures examining the reasons behind their creation and how they generate a sense of belonging. Students will also study the reasons for and causes of crime and investigate the motives and pressures that cause people to act against what society expects of them.

This unit covers the following key essential skills:

Gather and use a wide range of relevant source material.

Evaluate sources and critically reflect on their own and others' approaches to the social world.

Identify key factors that have contributed to social development, change and experiences.

Analysis data and how it impacts our views.

Analysis a variety of past and current documents.

Adhere to various ethical codes of conduct.

PATHWAYS INTO VCE OR VCE VM

VCE Sociology

VCE Philosophy

LEGAL STUDIES

COURSE CONTENT

Theory

This unit focuses on aspects of both the criminal and civil justice system in Australia. It will examine the most common types of criminal offences, defences and sanctions in criminal law, and the type of disputes and remedies in civil law. Students will be given the opportunity to explore the Victorian Court Hierarchy, Federal and State parliament and the role they play in making the law.

PATHWAYS INTO VCE OR VCE VM

VCE Legal Studies

VCE Politics

INTRODUCTION TO PHILOSOPHY

COURSE CONTENT

Theory

Epicurus (341BC-270BC) was an Ancient Greek philosopher who said everyone should study philosophy in order to achieve the greatest thing in life - happiness.

Philosophy means 'love and wisdom'. It is born of the very basic human disposition to ask questions and begins with wonder, wondering about the nature of the world. Philosophy considers some of the big questions about our world, such as 'What does it mean to live a good life?', 'Can we ever say we know something?' and 'Is Artificial Intelligence possible?' To succeed in Philosophy, all you need is curiosity

This unit is an introduction to philosophy and covers an investigation into to the following topics:

- Epistemology – the nature of knowledge
- The Good Life – how to achieve happiness
- The Nature of Mind and Artificial Intelligence
- Logic and Reasoning- the practice of Philosophy

PATHWAYS INTO VCE OR VCE VM

VCE Philosophy

VCE Sociology

VCE Literature

GEOGRAPHY

COURSE CONTENT

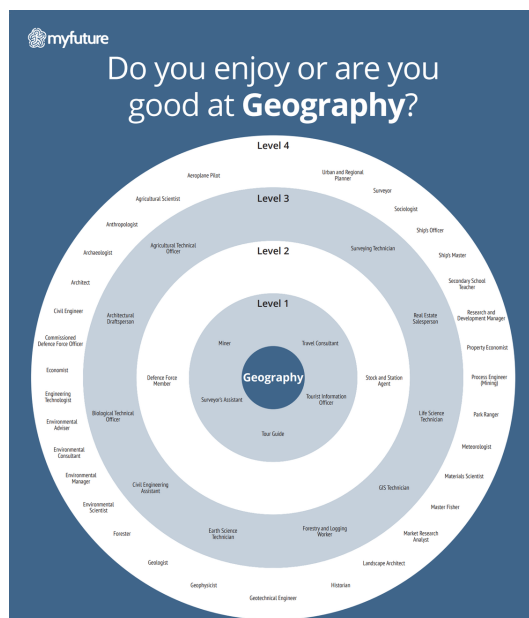
Students will focus on the relationship between humans and the environment. They will examine texts, graphs, maps, images and film over the course of their study. They will develop knowledge about the major natural systems of the Earth and how humans as inhabitants interact with the natural environment on a local, national and global scale

Students will explore a variety of key topics:

- Plate Tectonics
- Human Environments
- Changes in Human Environments
- Globalisation

VPATHWAYS INTO VCE

- VCE Environmental Science
- VCE Geogrpahy
- VCE Outdoor Ed and Environmental Studies



TECHNOLOGY

PRODUCT DESIGN

COURSE CONTENT

Theory

Creative design is a response to changing needs and to improve quality of life by designing creative and innovative products. Central to this subject is design thinking, which is applied through the product design process providing a structure for creative problem solving. The design process involves identification of a real need, problem or opportunity that is then articulated in a design brief. The need, problem or opportunity is investigated and informed by research to aid the development of solutions that take the form of physical, three-dimensional products. Development of these solutions requires the application of technology and a variety of cognitive and physical skills, including design thinking, drawing and computer-aided design, testing processes and materials, planning, construction, fabrication and evaluation.

Practical

Students are required to complete practical projects by investigating and using the design process. Prototype and build physical products using a range of materials such as wood, plastic, textiles and more.
Develop your ideas from concepts to real life.

Curriculum Contribution

· \$50

PATHWAYS INTO VCE OR VCE VM

VCE Design and Technology
VET Building and Construction
VET Furnishing
VET Carpentry



COMPUTING

COURSE CONTENT

Computing gives you firsthand experience of the impact of IT in our society using social and collaborative Internet tools. By developing custom software packages for specific IT solutions and exploring the ethics behind data handling, storing and protection; you will develop automated IT solutions using common software applications. Develop templates and websites using both simple code and specific web page creation software; whilst honing your problem-solving skills by the understanding of the Problem-Solving Methodology.

Theory

Understand the impact of emerging technologies online and cloud technology through the development a web-based solution.
Understand the theory and implementation of the Problem-Solving Methodology through the development of solutions using commercial based software applications.

PATHWAYS INTO VCE OR VCE VM

VCE Computing
VCE Systems Engineering

SYSTEMS ENGINEERING

COURSE CONTENT

Theory

Systems Engineering teaches students how to design, build, and improve systems that combine mechanical and electrical parts to solve real-world problems. Through hands-on work, students set goals, create and test designs, and make improvements based on what they learn. The course explores areas like robotics, automation, energy systems, and manufacturing, while also focusing on how these technologies affect people and the planet. With an emphasis on sustainability, project management, and smart design thinking, students develop practical engineering skills they can use in a wide range of industries.

Curriculum Contribution

\$50

PATHWAYS INTO VCE OR VCE VM

VCE Computing
VCE Systems Engineering

