



Matthew Flinders
Girls Secondary
College



YEAR 10, 11 & 12

**CURRICULUM
HANDBOOK**



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Curriculum Introduction: Years 10-12

The Victorian Curriculum F-10 is the curriculum for Victorian schools and is the basis for the learning in Years 7-10 at MFG. It incorporates the Australian Curriculum and reflects Victorian standards and priorities. The curriculum is accessed from the [*Victorian Curriculum F-10 website*](#).

Standards and levels

The Victorian Curriculum F-10 is structured as a continuum across levels of learning achievement not years of schooling. This enables the development of targeted learning programs for all of our students, where the curriculum is used to plan in relation to the actual learning level of each student rather than their assumed level of learning based on age.

Our curriculum is separated into two stages and reflects the Victorian Curriculum priorities:

- **Breadth stage (Years 7-8)**

You have the opportunity to fully engage with all learning areas and capabilities, with a focus on English, Mathematics and Science. These years provide you with an opportunity to explore a 'breadth' of subjects as your pathways and career options start to develop.

- **Pathways stage (Years 9-10)**

You will engage in a broad education and begin to plan your senior secondary program of study.

You will have a wide range of electives to choose from in Year 10.



Year 10 Curriculum Structure

YEAR 10

SCIENCE	ENGLISH	MATHS	TECHNOLOGY	THE ARTS
SEMESTER 1: Biology, Chemistry and Physics	SEMESTER 1 & 2 English	SEMESTER 1 & 2 Maths	DIGITAL TECHNOLOGY FOOD TECHNOLOGY TEXTILES	DRAMA MEDIA MUSIC VISUAL ART VISUAL COMMUNICATION DESIGN
SEMESTER 2: Genetics and Environmental Science	LITERATURE	HEALTH & PE	HUMANITIES	LANGUAGES
		EDUCATION & CHALLENGES IN OUTDOORS FIT & HEALTHY	HISTORY: CONFLICT & CULTURE LEGAL EAGLES GEOGRAPHY : PEOPLE, PLACES AND CHANGE	FRENCH or INDONESIAN (for 2 semesters)

Electives in purple run for 5 periods per week for one semester



Year 10 English

YEAR 10 ENGLISH

English plays a central role in enabling people to find fulfillment in work, in personal relationships, in creative pursuits and in learning. Building on your previous learning and thinking in English you will be introduced to the formal study of literature, including a range of classic and contemporary texts. This will extend your interdisciplinary thinking and analytical skills and you will learn how to write appropriately and correctly in a range of genres particularly writing about literature, developing formal essays and strategies for effective argumentative and persuasive writing.

You will develop a critical understanding of issues in the media, different perspectives on these issues and the language used, both visual and written, to present issues and opinions. You also will be given opportunities to present and speak to your class so that your confidence in formal situations grows

YEAR 10 LITERATURE (ELECTIVE)

In Year 10 Literature you will be introduced to both modern and classic literature. Our studies cover a wide range from current authors to Shakespeare, from popular fiction to classic love poems and from the written word to stage performances and film adaptations.

This course is designed to equip you with the skills required for VCE Literature and VCE English, as well as provide opportunities for you to develop your appreciation, pleasure and enjoyment in reading, writing, speaking and listening. The reading of challenging texts is required, and there is a strong emphasis on class discussion, participation, and the sharing of ideas based on the readings.





Year 10 Mathematics

YEAR 10 MATHEMATICS

Year 10 Mathematics provides you with a broad knowledge of mathematical principles that have a practical application to both the workplace and real life. The course is designed to provide access to challenging mathematical learning in a way that takes into account the needs and aspirations of a wide range of students.

YEAR 10 GENERAL MATHEMATICS

General Mathematics is designed to promote awareness of the importance of mathematics in everyday life society and aims to develop confidence in the application of mathematical ideas, techniques and processes and improve and extend problem solving skills and strategies.

The main foci will be:

- Statistics, including collection, display and interpretation and analysis of data
- Linear Graphs and Modelling, including sketching and interpreting line graphs that represent real life situations.
- Financial Maths
- Networks and decision mathematics





Year 10 Mathematics

YEAR 10 MATHEMATICAL METHODS

Mathematical Methods is designed to promote high level awareness of the importance of mathematics in a society that is increasingly focused on uses of technology as well developing confidence in making effective use of higher level mathematical ideas, techniques and processes as well as extending high level problem-solving skills.

The main foci will be:

- Solving equations with two unknowns
- Using index laws
- Working with irrational numbers
- Sketching parabolas
- Solving quadratic equations and modeling with quadratic equations

All students will use the CAS (Computer Algebra Systems) calculator as a learning tool to enhance your understanding of the concepts studied and it is a compulsory requirement for this subject.

Pathways

Year 10 Mathematics can lead into

- VCE Mathematics Methods
- VCE Specialist Maths (which must be studied with VCE Maths Methods),
- VCE General Mathematics and Further Mathematics.
- VCAL Numeracy





Year 10 Science

YEAR 10 SCIENCE (SEMESTER 1) Biology, Chemistry, Physics

In this Semester 1 course you will develop your understanding of a range of scientific concepts and build your skills in science communication within a real world context relating to the following fields:

Biology: Throughout the Biology unit you will explore the following key questions: What types of organisms cause disease? How is the spread of disease measured? What scientific developments do we use to control them?

Chemistry: Throughout the Chemistry unit you will explore the following key questions: How are the properties of chemical elements linked to their atomic structure? What types of products can be produced by chemical reactions? How are the properties of substances related to their chemical structure?

Physics: Throughout the Physics unit you will explore the following key questions: How do we measure the motion of objects? What are some of the ways we can describe the motion of an object? How does force affect the motion of objects?

Pathways

This subject is a good preparation for and leads to further study in the following VCE subjects: Chemistry, Biology and Physics.





Year 10 Science

YEAR 10 SCIENCE (SEMESTER 2) Genetics & Environmental Science

In this Semester 2 course you will have the opportunity to investigate emerging issues in science relating to the following fields:

Genetics: Throughout the Genetics unit you will explore the following key questions: How are traits passed from generation to generation? What are genetic mutations and how might they influence evolution? How much influence should technology have on the genetic makeup of the human gene pool?

Environmental Science: Throughout the Environmental Science unit you will explore the following key questions: How are the physical, chemical and biological components of a natural system interconnected? What impacts do humans have on the environment? What is sustainability?

Pathways

This subject is a good preparation for and leads to further study in the following subjects: VCE Biology and VCE Environmental Science.





Year 10 Languages

YEAR 10 FRENCH (ELECTIVE)

Bonjour! Bienvenue! Year 10 is a great year in French! On avance! We really move forward and start to prepare for learning in VCE. Listening, speaking, reading and writing skills are further developed through a range of activities such as songs, role-plays and films. We explore many new topics - we look at ordering in a café, buying train and transport tickets, personality descriptions and town and country life. We also explore the themes of past events, holidays, illness, the body and festivals.

Pathways

Year 10 French will prepare students for VCE French. You are required to take two semesters of French at Year 10 level if you wish to continue it at VCE level.

YEAR 10 INDONESIAN (ELECTIVE)

Year 10 Indonesian is designed to prepare you for travelling in Indonesia, as well as for the VCE. You will learn how to talk about your health (just in case) and pick up some helpful ideas and skills for when you go to Indonesia.

The Sayembara Lisan (a speaking competition) might be a bit scary but will help you talk about yourself, hobbies and ambitions. You will learn about Indonesia's rich heritage of art and music, as well as what teenage culture in Indonesia is like. All the while you will be building your reading, writing, listening and speaking skills through a range of tasks.

You might also have the opportunity to travel to Lombok to visit our Indonesian sister school and participate in a homestay program.

Pathways

Year 10 Indonesian will prepare students for VCE Indonesian. You are required to take two semesters of Indonesian at Year 10 level if you wish to continue it at VCE level.



Year 10 Humanities

YEAR 10 GEOGRAPHY: PEOPLE, PLACES AND CHANGE (ELECTIVE)

The learning in this subject will encourage you to question the state of the world and the factors that have contributed to this state. You will be encouraged to think like a Geographer, wonder about the world around you and develop your sense of global citizenship and environmental responsibility.

In this elective you will explore some big questions related to human wellbeing including 'What is well-being?' and 'How do we measure and map human wellbeing?'. This is 'Geographies of Human Wellbeing' and you will explore how human wellbeing can be measured and how using different indicators of human wellbeing can be applied to different places and people. This will involve focusing on case studies and you being able to focus on human wellbeing in a place of your choice, investigate the causes and contrast the experiences of people in different countries and cultures.

You will have the opportunity to explore what we call the 'Geographies of Interconnection' and develop an understanding of why people have certain perceptions of a place and how this influences their connection to that place. You will explore environmental worldviews of people and approaches to environmental management, including Aboriginal and Torres Strait Islander peoples' approaches to custodial responsibility and environmental management in different regions of Australia.

You will develop your understanding of 'Geographies of Tourism' and the effects of peoples' travel (including you), recreational and leisure choices on places and how these choices effect and change places over time. You will consider questions like 'Are we really connected to where we live?', 'What are my global responsibilities?' and 'How has our connection to place changed over time?'. Tourism focuses include exploring our local tourism industry, 'voluntourism', and exploring ways of ensuring that tourism is sustainable and ethical

Pathways

This subject leads to further study in VCE Geography.



Year 10 Humanities

YEAR 10 HISTORY: CONFLICT AND CULTURE (ELECTIVE)

In this subject you will investigate turning points in Australia's history from the end of WW2 to the present day. You will discover how these events, people and ideas have shaped Australian culture and along the way made Australia the unique place that it is today. The study of History creates an opportunity for you to pause and reflect on why we are the way we are and how we came to have such a diverse culture. Films, Sport, music and television are all valuable resources to help you discover our past and consider our future.

From the conflict of the Pacific War and the battle along the Kokoda Track to the first Television sets sold, you will develop an understanding of some of Australia's social and cultural influences. Your skills in historical inquiry will develop and improve as you think like an historian and explore a range of sources such as first-hand accounts, artefacts, stories, literature and oral histories as well as other secondary sources.

This course will look at three major areas of your national history including:

- World War II, which will include the Kokoda Track, Australia's alliance with the USA and Japan's attacks on Sydney and Darwin
- Popular Culture, which will include how changes in film, music, sport and television have moulded teenagers and changed Australian culture in the process
- Rights and freedoms (1945 – The Present) which will include the struggle for rights and freedoms of Aboriginal and Torres Strait Islander people and the outcomes

Pathways

This subject leads to further study in VCE Modern History.





Year 10 Humanities

YEAR 10 LEGAL STUDIES: LEGAL EAGLES (ELECTIVE)

This course creates an opportunity to develop your legal aptitude. You will investigate the development of democracy, the process of elections, the role of pressure groups and learn about some famous politicians. You will have the opportunity to explore issues related to human rights, social justice and discover how social and cultural movements have shaped Australian society.

You will identify the strengths and weaknesses and make judgments about the features of Australia's political system and identify and understand a range of influences on people's voting choices. You will also identify and compare the strengths and weaknesses and make judgements about the key features and values of systems of government and analyze Australia's global roles and responsibilities. This extends to you developing an understanding of the role of the High Court and being able to explain how Australia's international legal obligations influence law and the activity of governments. You will learn about the key principles of Australia's system of justice and be able to identify the strengths and weaknesses and make judgments about the role of Australia's court system. You will also be able to recognize a range of factors that impact on the different perspectives of individuals and groups in the community.

Pathways

This subject leads to further study in VCE Legal Studies.





Year 10 Health & Physical Education

YEAR 10 FIT AND HEALTHY (ELECTIVE)

This is a one semester unit with 5 periods per week that is a blend of both physically active classes and theory based classes. So, if you like being active at school, this is the elective for you.

The three main theory topics covered over the semester are:

- What happens between conception and birth? We start learning about conception and possible causes of infertility, then follow the pregnancy journey and the different birthing options.
- How do we learn new skills? You will look at how a baby is born with a few simple reflexes and in a short space of time we start to learn new motor skills. How do we learn the skills to be the multi-talented individuals that we are now?
- What is Fitness? If you like to learn about the body systems and how they enable us to be physically active then this is the elective for you. You will also learn about all the components of fitness, how to test them and how to train them so that we can improve our performance in sport.

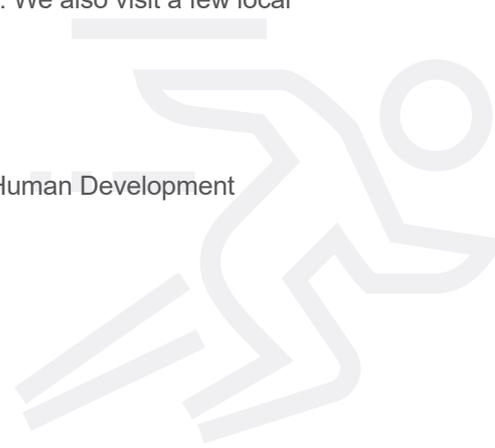
There are also two main units that we participate in over the semester:

- Sports Clinics – you will work with a team to run our class through a Sports Clinic of your choice. This is great fun and an excellent opportunity to step up and challenge yourself with leadership skills.
- Fitness – firstly test what level you are for each fitness component, then experience different methods of training that specifically target improvements using correct training principles. We also visit a few local gyms as part of our fitness work.

Of course you will wear the MFG PE uniform to all of the practical classes.

Pathways

An elective for students considering: VCE Physical Education; VCE Health and Human Development





Year 10 Health & Physical Education

YEAR 10 EDUCATION AND CHALLENGES IN THE OUTDOORS (ELECTIVE)

This is a one semester elective unit, with 5 periods per week. Perfect for you if you are interested in participating in activities in the outdoors.

You will engage in challenging activities including a multi-day day hike and surf camp in the Otway region, as well as two days of sailing, stand-up paddle boarding, canoeing, mountain bike riding, orienteering, bushwalking and participating in sustainability programs to actively contribute to a healthier natural environment.

You will learn about climate change, our natural environment, strategies to reduce human impact, as well as the risks and equipment required for recreation and leisure in our precious marine and land environments. What is learned in a theoretical setting will then be reinforced by visits, activities and excursions in the Geelong and Surf Coast outdoor environments.

Please note:

You will need to complete a compulsory swimming test to assess your competency in aquatic environments, that will include; swimming 200m and treading water for 5 minutes.

There is an additional cost associated with this elective, please refer to the Student Subject Selection Handbook for the current cost.





Year 10 Technology

YEAR 10 FOOD TECHNOLOGY (ELECTIVE)

Year 10 Food Technology is a semester-based study with five periods per week. This subject continues to build on your skills and knowledge from previous years of Food Technology. There is a balance of practical work, supported by related theory, demonstration and other practical activities, such as food tasting are also included.

The nutritional values of food are studied and production sessions are designed to develop your understanding of nutrients. This study explores causes of food spoilage and various ways that food is preserved. You will design and create an edible packaged gift, applying the principles of food preservation along with investigating food packaging and labelling. This topic also touches on food regulations designed to keep food safe.

We explore uses of ingredients in food preparation and dishes are prepared highlighting the purpose of ingredients, examples include the role of steam and gluten when making profiteroles, or the role of yeast when making a calzone or caramelizing vegetables for a roast vegetable pizza.

Pathways

This subject is preparation for and leads to further study in VCE Food Studies Units 1, 2, 3 and 4.

YEAR 10 TEXTILES (ELECTIVE)

In Year 10 Textiles is an elective for 5 periods per week for one semester. This unit will appeal to you if you have an interest in designing, personalising, exploring materials and techniques to make clothing and accessories with your own unique personalised styling.

You will work through the process of developing designs for a range of clothing or wearable items such as a dress/outfit and accessories. You investigate what is needed to generate original ideas, prepare design work, organise and use a variety of clothing materials (new and recycled), plan and manage the safe production of wearable items, reflect on the success and effectiveness of the Textiles items made and present the items for display for example: a fashion runway show or exhibition.

You will have the opportunity to research and investigate past fashion and clothing styles and trends, famous designers and fashion houses and different cultures, as a source of inspiration for your own textiles projects. You will be encouraged to explore different ways to use textiles materials to explore your creativity. A range of tools, materials, embellishment techniques, equipment, sewing machines and technology will be used to make clothing items and accessories.

Pathways

This subject is preparation for and a pathway into VCE Studio Arts Units 1, 2, 3 and 4.



Year 10 Technology

YEAR 10 DIGITAL TECHNOLOGY (ELECTIVE)

In this elective you will explore the fundamentals of computers including basic circuitry, binary data and digital circuits.

You will explore the connection between software and hardware using Arduino microcontrollers and various electronic parts. With these you will be able to build projects such as digital temperature sensors and Motion Alarms. You will learn how to code the Arduino boards to read inputs and then turn this into an output (for example, activate a motor, turn on a LED or publish something online).

You will continue to develop your programming skills in a range of programming languages including Scratch, JavaScript, HTML, CSS and C/C#. You will create a range of web-based content including games, websites and apps using a range of programming languages.

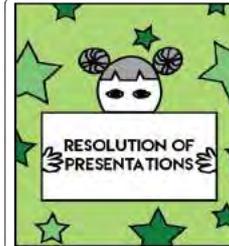
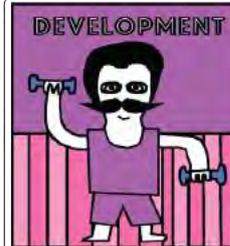
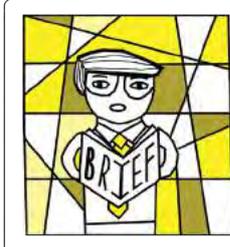
To be successful in this subject will require problem solving, patience and creating thinking.



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Jessica Simpson Director

Year 10 Arts

YEAR 10 VISUAL COMMUNICATION DESIGN (ELECTIVE)

The course is for 5 periods per week for one Semester and will focus on developing your design skills. Your imagination, individuality and originality are encouraged. If you enjoy sketching and drawing, as well as thinking and talking about the design world then this subject is for you.

Most class work is practical where you learn about design by doing it. You will complete a range of projects in different design fields. Projects done in the class are varied - anything from graphic design, furniture design to interior design. You are able to interpret each project in your own way based on set criteria. The main aim is to develop your visual and creative thinking skills, by following the design process, and reviewing others' designs.

Pathways

This subject is an excellent preparation for further study of VCE Visual Communication Design and Studio Arts, Units 1, 2, 3 and 4.

YEAR 10 MEDIA (ELECTIVE)

In this unit you will discover how to enhance your images through understanding camera functions, including how cameras have evolved from using analogue to digital equipment. You will experiment with various photographic designs and technologies, including dark room photography. Through analysing the lives and works of professional film makers and photographers, you will produce your own work, using their style as inspiration and applying the creative processes. The art of story-telling will also be explored, introducing you to narrative codes and conventions and how they are used to create meaning for specific audiences within cultural and social contexts.

You will discover the various roles and tasks that are required to create a short film through working with members of your class to simulate a real film set and produce a short film. You will also learn how to use various film and photography editing software to finalise your projects and achieve your pre-production aims.

Pathways

This subject is preparation for and leads to further study in VCE Media and Studio Arts Units 1, 2, 3 and 4.



Year 10 Arts

YEAR 10 DRAMA (ELECTIVE)

This subject focuses on the development of your expressive skills in voice, movement and gesture and the art of creating a performance piece. You will be introduced to a range of theatrical performance styles through practical workshops and live performances. You will be able to follow your passion and explore what type of performance you like. Doing this subject will support your analytical skills and help your ability to think creatively to problem solve. You will learn that Performing Arts requires a cohesive and cooperative environment where you can demonstrate self-discipline, self-confidence and the acceptance of others as they explore their own creativity.

You will create a performance with the aim of performing for a target audience chosen by the students. Through this performance you will begin to explore the world of non-naturalism and begin to develop the skills required to advance to VCE Drama.

Pathways

This subject is preparation for and leads to further study in VCE Drama Units 1, 2, 3 and 4.

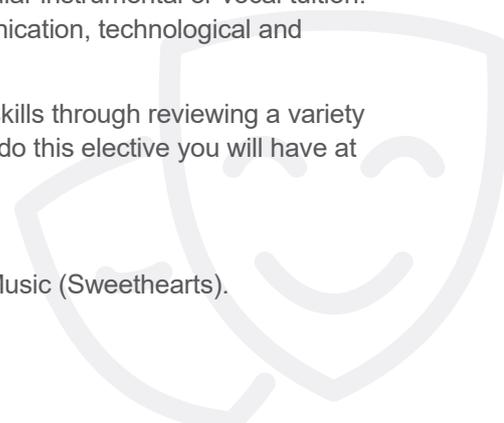
YEAR 10 MUSIC (ELECTIVE)

If you are thinking of selecting this elective then you should be undertaking regular instrumental or vocal tuition. You will further refine your skills on an instrument or voice. You will use communication, technological and performance skills to organize performances as a soloist and with their peers.

You will further refine and develop communication, technological and listening skills through reviewing a variety of music as well as creating music using technology. It is recommended that to do this elective you will have at least Grade two theory or the equivalent.

Pathways

This subject is a pathway to VCE Music Units 1, 2, 3 and 4 and Certificate IV Music (Sweethearts).





Year 10 Arts

YEAR 10 VISUAL ART (ELECTIVE)

If you enjoy being creative and have an interest in creating art then this elective will suit you. You will have an opportunity to work through a number of different art-making techniques. You will use Art Elements and Art Principles to explore aesthetics when making two and three-dimensional art. This may include the art forms of drawing, painting, printmaking, photography and sculpture.

Through examining and analyzing recognized artworks by established artists, art styles and in art exhibitions you will use a range of ideas and sources of inspiration to develop designs, create your own finished artworks and present them for an audience.

A studio practice approach will be undertaken for all research and art-making activities within a Visual Diary. You will find inspiration, generate ideas, trial and experiment with mediums, materials, techniques, applications, processes and art-forms, explore subject matter, create designs and undertake the completion of your own artworks. You will be encouraged to develop your own style and strengths in selected art forms. You will also have an opportunity to view artworks in the real world and make informed opinions and, analyze what you see.

Pathways

This subject is preparation for and leads to further study in VCE Visual Communication and Design, Media, and Studio Arts, Units 1, 2, 3 and 4.



Girls in business of helping

OLIVIA SHYING

A DESIRE to help a classmate whose father was battling cancer was the key driver for a group of school students to get top marks.

Matthew Flinders Girls Secondary College VCAL students raised more than \$1000 through Project Love — an assignment that counts for a large proportion of their final grade.

Chelsea Van de Ven's Year 12 was made all the harder when her father was diagnosed with pancreatic cancer.

Throughout his treatment he has been cared for by staff at the Andrew Love Cancer Centre.

Student Alicia ... said ... students in the VCAL class ...

to create a business, establish an occupational health and safety plan, create a product and make a profit.

When it came to choosing the charity to donate the funds to — the decision was easy.

Teacher Kylie Howarth said all students wanted to support a cause close to Chelsea's heart.

The girls made handmade items — mainly up-cycled from preloved material — and sold them at the school. Costs removed, they made more than \$1000 profit, the highest amount raised by any VCAL class at the college.

Chelsea said her family was overwhelmed by the school's support.

Students research ... fun ... and ... the ...



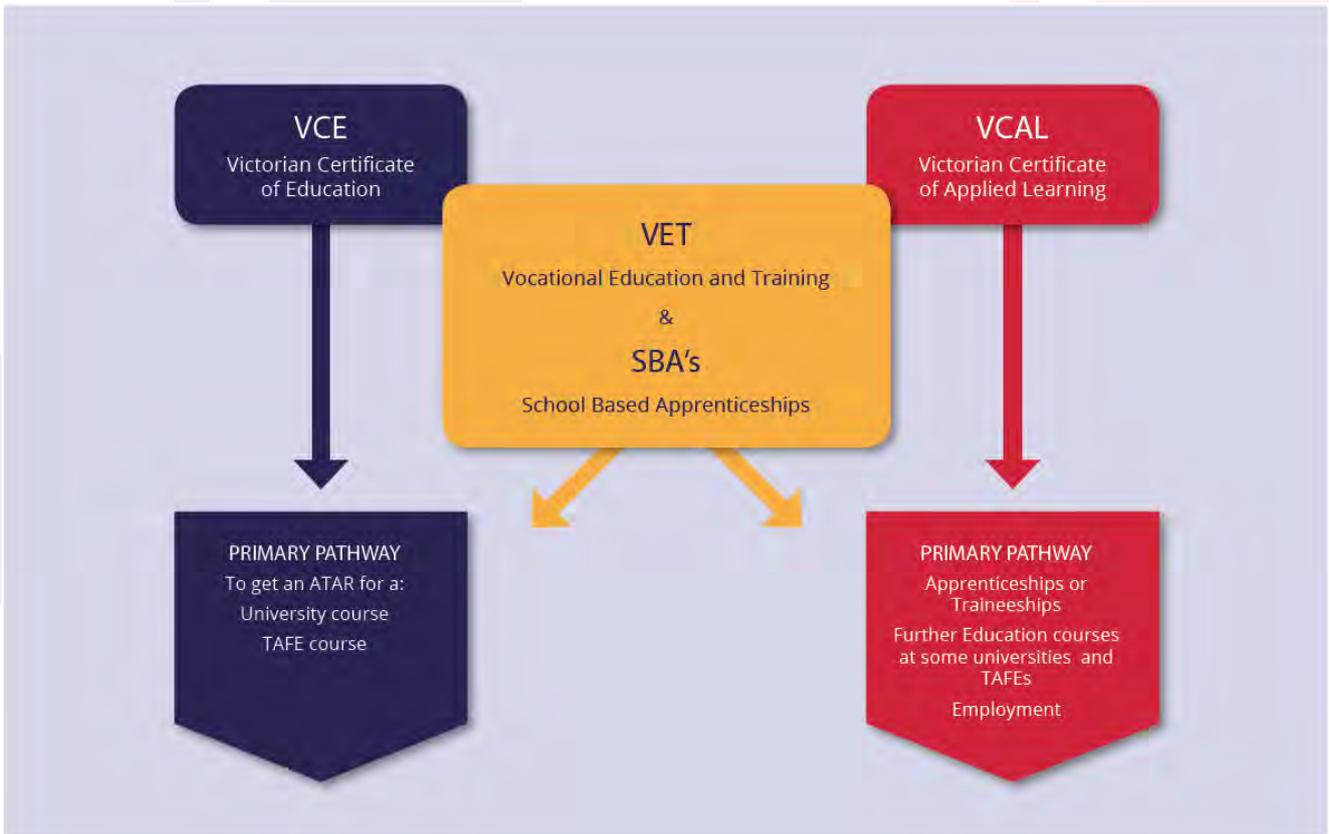
HELPING HANDS: Matthew Flinders students ...

VCE and VCAL Programs

At MFG you have many pathway options in your final year of school. These include:

- The Victorian Certificate of Education (VCE) Units 3-4
- The Victorian Certificate of Applied Learning (VCAL)
- Vocational Education and Training (VET)
- School Based Apprenticeships (SBA)

Please read each Unit's description carefully as there are some units that have special pathways or requirements. For example, to study a Language in VCE Units 3-4, the language must have been studied in Units 1 and 2. Please pay special attention to the Mathematics Pathways.





VCE and VCAL Curriculum

VCE UNITS 1-2 (YEAR 11)

YEAR 11

ENGLISH	MATHS	SCIENCE	HUMANITIES	TECHNOLOGY	H.A.P.E	ARTS
ENGLISH &/or LITERATURE	GENERAL MATHS MATHS METHODS SPECIALIST MATHS	BIOLOGY CHEMISTRY ENVIRONMENTAL SCIENCE PHYSICS PSYCHOLOGY	GEOGRAPHY LEGAL STUDIES MODERN HISTORY	FOOD STUDIES LANGUAGES FRENCH INDONESIAN	HEALTH & HUMAN DEVELOPMENT OUTDOOR & ENVIRONMENTAL STUDIES PHYSICAL EDUCATION	DRAMA/THEATRE STUDIES MEDIA MUSIC PERFORMANCE STUDIO ARTS VISUAL COMMUNICATION DESIGN



Year 11 English

VCE ENGLISH UNITS 1 & 2 (YEAR 11)

In Units 1 and 2 you will explore how meaning is created in a text. You will be able to identify, discuss and analyze the decisions authors have made as well as the themes, issues and ideas explored in these texts. You will also create your own creative piece by using an accompanying text as the stimulus. The texts that you will study will come from a wide variety of classics and contemporary texts.

During Units 1 and 2 you will focus on the analysis and construction of texts that attempt to influence and persuade an audience. You will explore a wide range of text types and forms - from editorials and letters to advertisements and speeches. The focus of this part of the course is to develop your understanding of argument and the different strategies and techniques that can be used to influence an audience. You will explore the use of language for persuasive effect and the structure and presentation of argument using articles on current issues. You will also develop an oral point of view to present to an audience.

During Unit 2 you will explore how comparing different texts (for example, a film and a play) can provide a deeper understanding of ideas, issues and themes. You will investigate how the reader's understanding of one text is broadened and deepened when considered in relation to another text. Again, the texts that you will study will come from a wide variety of classics and contemporary texts.

Pathways

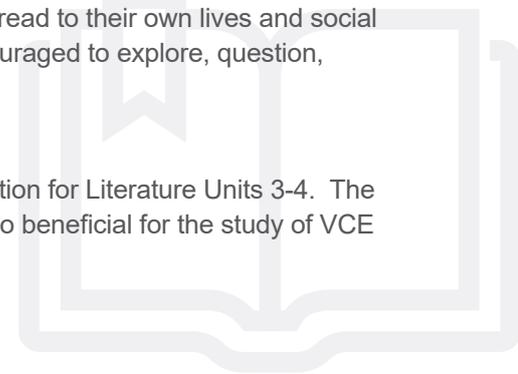
This subject leads to further study in VCE English Units 3-4.

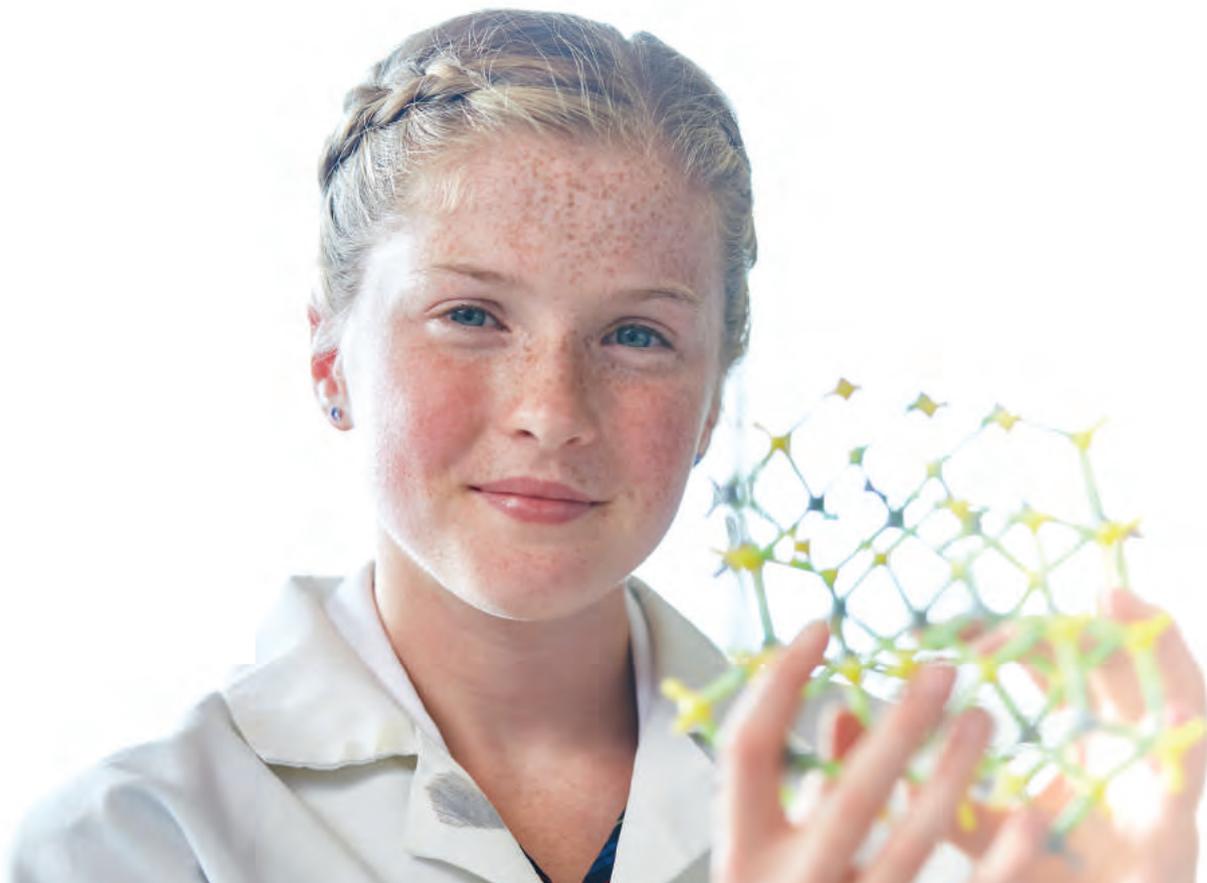
VCE LITERATURE UNITS 1 & 2 (YEAR 11)

Units 1 and 2 Literature focuses on the ways literary texts represent human experience and takes you to different settings and eras than your own. The reading of a variety of texts will deepen your understanding of people and their struggles to be human. You will study a variety of genres; film, short stories, a play and novels, and engage closely with the language of texts while relating what they read to their own lives and social contexts. You will respond to texts personally, critically and creatively and encouraged to explore, question, compare, interpret and analyze what you read and view.

Pathways

The course design, content and structure of Literature Units 1 and 2 is preparation for Literature Units 3-4. The emphasis on a deeper inquiry into texts and the reading and writing skills is also beneficial for the study of VCE English.





Year 11 Mathematics

VCE UNITS 1 & 2 GENERAL MATHEMATICS (YEAR 11)

General Mathematics is designed to provide access to worthwhile and challenging mathematical learning in a way which takes into account the needs and aspirations of a wide range of students. Your learning in this subject will develop your skills so that you can transfer your mathematical understanding to everyday contexts. This subject will also develop your awareness of the importance of mathematics in everyday life in a technological society, and your confidence in making effective use of mathematical ideas, techniques and processes. You will use the CAS (Computer Algebra Systems) calculator as a learning tool to enhance your understanding and skills.

You will engage in the following mathematical activities within the areas of study:

- Apply knowledge and skills: Learning and practising mathematical algorithms, routines and techniques, and using them to find solutions to standard problems
- Model, investigate and solve problems: The application of mathematical knowledge and skills in situations that range from well-defined and familiar to open-ended and unfamiliar, including situations that require investigative, modelling or problem solving approaches
- Use technology: The effective and appropriate use of technology to produce results, which support learning mathematics and its application in different contexts.
- Modelling, problem-solving and mathematical investigations

You will develop knowledge based around the following areas of study:

- Arithmetic and Number – Computational and practical arithmetic, Financial arithmetic
- Statistics – Investigating and comparing data distributions, Investigating relationships between two numerical variables
- Algebra and Structure – Linear relations and equations
- Graphs on linear and non-linear relations – Linear graphs and models, Inequalities and Linear Programming
- Discrete Mathematics – Graphs and networks, Number patterns and recursion.





Year 11 Mathematics

VCE UNITS 1 & 2 MATHEMATICAL METHODS (YEAR 11)

If you like working with algebra, graphs and numbers of all types like fractions, indices and surds, then this VCE subject is for you. You will be exposed to worthwhile and challenging mathematical learning. You will learn to apply skills to solve problems like 'Is that skateboard ramp safe?' or 'How can materials be minimized when making a package for a product?'

You must have studied Year 10 Mathematical Methods Semester 2 prior to beginning Unit 1. You will continue to use the CAS (Computer Algebra Systems) calculator as a learning tool to enhance your understanding.

Pathway

This subject is preparation for and leads to further study in the following subjects: Units 3 & 4 Mathematical Methods in conjunction with Units 3 and 4 Specialist Mathematics, or, Units 3 & 4 Mathematical Methods, or, if struggling with Units 1 and 2 Mathematical Methods then you can do Units 3 and 4 Further Mathematics.

VCE UNITS 1 & 2 SPECIALIST MATHEMATICS (YEAR 11)

Specialist Mathematics is specifically designed for students who wish to undertake an in-depth study of mathematics, with an emphasis on concepts, skills and processes related to mathematical structure, modelling, problem solving and reasoning.

Mathematical Methods Units 1 and 2 and Specialist Mathematics Units 1 and 2, taken in conjunction, provide a comprehensive preparation for Specialist Mathematics Units 3 and 4.

This subject is designed to provide you with access to worthwhile and challenging mathematical learning in a way that takes into account different needs and starting points. It is also designed to promote your awareness of the importance of mathematics in everyday life in a society which increasingly relies on technology and your confidence in making effective use of mathematical concepts, processes and skills in practical and theoretical contexts.

Pathways

Unit 1 and 2 Specialist Mathematics is a precursor for Specialist Mathematics Units 3 and 4 and must be studied in conjunction with Unit 1 and 2 Mathematical Methods.





Year 11 Science

VCE BIOLOGY UNITS 1 & 2 (YEAR 11)

In Units 1 and 2 Biology, you will be investigating 'How do living things stay alive?' as well as explore how cells reproduce and pass on their genetic information. In Unit 1 you will study topics such as cells, biological processes including photosynthesis and respiration, animal and plant adaptations and population dynamics in communities of species. You will visit Pt Addis Marine National Park to undertake an intertidal field study.

In Unit 2 you will learn about the advantages and disadvantages of asexual and sexual reproduction, be able to explain the role of stem cells in cell growth and in medical therapies and apply your understanding of genetics to describe patterns of inheritance. Over the course of both units, you will plan, undertake and report on various experiments as well as conduct a student-directed research investigation into a genetics or reproductive science issue.

Pathways

This subject is a good preparation for and leads to further study in VCE Biology Units 3-4.

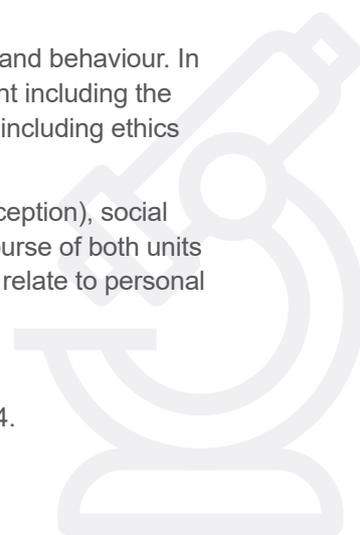
VCE PSYCHOLOGY UNITS 1 & 2 (YEAR 11)

In Units 1 and 2 Psychology you will be introduced to the scientific study of the human mind and behaviour. In Unit 1 you will study topics such as the brain and nervous system, psychological development including the nature versus nurture debate, concepts of normality and abnormality and research methods including ethics and experimental design.

In Unit 2, you will learn about perception and sensation (with a focus on visual and taste perception), social cognition (including attitudes and prejudice), and social influences on behaviour. Over the course of both units you will plan, undertake and report on various experiments whilst learning how your findings relate to personal experiences and everyday circumstances.

Pathways

This subject is a good preparation for and leads to further study in VCE Psychology Units 3-4.





Year 11 Science

VCE CHEMISTRY UNITS 1 & 2 (YEAR 11)

If you enjoyed learning about chemical reactions and atomic structure in years 7-10 and would like to build on your skills and understanding of these areas then this subject is for you. In Unit 1 you will investigate the chemical properties of a range of materials from metals to salts to polymers and nanomaterials. You will learn about elements, the periodic table, atomic structure and bonding and be able to relate structure to properties and specific applications. You will also be introduced to calculations in Chemistry including the mole concept. A research investigation will allow you to further develop your understanding of some of the materials covered in this unit of study.

In Unit 2 we focus on what makes water such a unique chemical, explore its physical and chemical properties and relate this to its structure and bonding. You will also investigate a range of chemical reactions that occur in water. You will consider a range of techniques that can be used to analyse water samples for various solutes, including chemical contaminants. You will also be required to complete a quantitative laboratory investigation relating to water quality. Note that there is the application of some mathematics involved in this subject – you should be confident in using and manipulating equations.

Pathways

This subject is a good preparation for and leads to further study in VCE Chemistry Units 3-4.

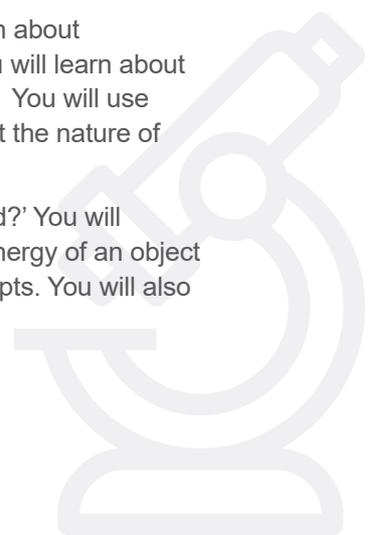
VCE PHYSICS UNITS 1 & 2 (YEAR 11)

In Unit 1 you will explore the question: 'What Ideas Explain the physical world?' You will learn about thermodynamic concepts and how they affect our day to day lives and the environment. You will learn about how electricity in the basic design module and build on this investigating circuit components. You will use Mathematics to analyze circuits and describe safe use of electricity. You will also learn about the nature of atoms and the origins of time and space.

In Unit 2 you will explore the questions 'What do experiments reveal about the physical world?' You will observe motion and the effects of forces on the motion of a body. You will learn about the energy of an object and energy transformations. You will create mathematical models to investigate these concepts. You will also engage in an 'Extended Practical Investigation' with support from your teacher.

Pathways

This subject is a good preparation for and leads to further study in VCE Physics Units 3-4.





Year 11 Science

VCE ENVIRONMENTAL SCIENCE UNITS 1 & 2 (YEAR 11)

Unit 1: How are Earth's systems connected?

In this unit you will examine Earth as a set of four interacting systems: the atmosphere, biosphere, hydrosphere and lithosphere. You will visit local environment to explore the physical requirements for life and consider the effects of natural and human-induced changes in these same places. You will look into the function of local ecosystems and the interactions that occur and have occurred in these places over time. As a class we will also monitor an environment, analysing changes that take place with both living and non-living things.

Unit 2: How can pollution be managed?

In this unit you will explore the concept of pollution and associated impacts on Earth's four systems through global, national and local perspectives. You will look at the difference between wastes, contaminants and pollutants and examine the characteristics, measurement and management of pollution. You will analyse the effects of pollutants on the health of humans and the environment over time. As a class we will look at the rules for use, treatment and disposal of pollutants and evaluate the different perspectives of those who are affected by pollutants. As a class we will undertake an in-depth case study of the management strategies that apply to a chosen pollutant in an area close to us.

Pathways

These Units are preparation for VCE Environmental Science Units 3 and 4.





Year 11 Humanities

VCE GEOGRAPHY UNITS 1 & 2 - (YEAR 11)

The study of Geography is a structured way of exploring, analysing and understanding the characteristics of places that make up our world. Geographers are interested in key questions concerning places and geographic phenomena: What is there? Where is it? Why is it there? What are the effects of it being there? How is it changing over time and how could, and should, it change in the future? How is it different from other places and phenomena? How are places and phenomena connected? You will explore these questions through fieldwork and investigation of a wide range of secondary sources.

Ten key geographic concepts underpin the study of VCE Geography – place, scale, distance, distribution, movement, region, process, change, spatial association and sustainability. VCE Geography is designed around two key themes: interconnection and change. Human interaction with environments has had, and continues to have, significant consequences.

In Units 1 and 2 students gain an understanding of how and why this interaction takes place and why it matters. The units focus on the two distinct contexts of hazards and tourism to highlight different kinds of interconnections and their consequences. Change in geographic phenomena produces issues that in turn produce further challenges.

In Unit 1 the focus is on Hazards and Disasters. You will undertake an overview of hazards before investigating two contrasting types of hazards and the responses to them by people. You will examine the processes involved with hazards and hazard events, including their causes and impacts, human responses to hazard events and interconnections between human activities and natural phenomena. In Unit 1 you will investigate how people have responded to specific types of hazards, including attempts to reduce vulnerability to, and the impact of, hazard events.

In Unit 2 the focus is on Tourism. You will investigate the characteristics of tourism, with particular emphasis on where it has developed, its various forms, how it has changed and continues to change and its impacts on people, places and environments. You will select contrasting examples of tourism from within Australia and elsewhere in the world to support your investigations.

Pathways

This subject leads to further study in VCE Geography Units 3-4.



Year 11 Humanities

VCE MODERN HISTORY UNITS 1 & 2 (Year 12)

Are you interested in the Holocaust or the impact of the first atomic bomb? How about the 'space race' of the 1960s; the Vietnam War protests and the music that defined a generation? These topics and many more are the focus of this subject. In Unit 1 the focus is on 1900 to 1945 - the first half of the Twentieth Century was marked by significant change. Up until World War I there was still a sense of a certain and natural order of society. This order was challenged and new movements emerged in response to economic, social and political crises and conflicts.

You will explore post World War I developments in Germany, including the rise of Nazism and the Third Reich, as well as changes in inter-war society and the emergence of many forms of cultural expression. Unit 2 has a focus on the world since 1945. Following World War II the United States and the USSR emerged as new world superpowers. Despite advances in technology, diplomacy and efforts to improve the quality of life for humankind, wars and civil unrest continued to take a huge toll on human life across the globe. You will consider some of the major themes of post-World War II history, and ways in which individuals and communities responded to political, economic, social and technological developments. Some of the major events and issues you will study include the proxy wars of the Korean Conflict, Vietnam and ongoing disputes and issues in Europe during the Cold War such as the rise and influence of popular culture, and the fall of the Berlin Wall.

The beginning of the twenty-first century heralded both a changing world order and further advancements in technology and social mobility on a global scale. However, terrorism remained a major threat, influencing politics, social dynamics and the migration of people across the world. The attack on the World Trade Centre on 11 September, 2001 was a significant turning point for what became known as the war on global terror and shaped the first decade of the twenty-first century, including the wars in Afghanistan and Iraq. Technology also played a key role in shaping social and political change in different contexts. The internet significantly changed everyday life and revolutionised communication and the sharing of information and ideas, some of which challenged authority, most notably the Arab Spring.

Pathways

This subject is a good preparation for and leads to further study in VCE Australian History Units 3-4.



Year 11 Humanities

VCE LEGAL STUDIES UNITS 1 & 2 (YEAR 11)

In Unit 1 you will explore Criminal Law in Action. The law influences all aspects of society – at home, at work and in the wider community. Laws are used by society to preserve social cohesion, and to ensure the protection of people from harm and from the infringement of their rights.

You will examine the need for laws in society and investigate the key features of criminal law, how it is enforced and adjudicated and possible outcomes and impacts of crime. Through a consideration of contemporary cases and issues, you will learn about different types of crimes and explore rights and responsibilities under criminal law. You will consider the role of parliament and subordinate authorities in law-making, the processes and procedures followed by courts in hearing and resolving criminal cases and explore the main features, operations and effectiveness of criminal courts.

In Unit 2 you will explore Issues in Civil Law. The civil law regulates the rights and responsibilities that exist between individuals, groups and organizations. You will learn about the rights that are protected by civil law, as well as obligations that laws impose, types of civil laws and the role of civil law in society. You will also focus on the resolution of civil disputes through judicial determination and alternative methods in courts, tribunals and independent bodies.

You will investigate issues of personal interest, visit institutions such as the Geelong Law Courts and Barwon Prison Lara, and engage with experts from the broader community. You will also have the opportunity to participate in an interschool Mock Court program run by the 'young lawyers' from the Geelong Law Association.

Pathways

This subject is a good preparation for and leads to further study in VCE Legal Studies Units 3-4.



Year 11 Health & Physical Education

VCE HEALTH AND HUMAN DEVELOPMENT UNITS 1 & 2 (YEAR 11)

Unit 1 looks at health and wellbeing as a concept with different meanings for different people. As a foundation to the understanding of health, students should investigate the World Health Organization's (WHO) definition and also explore other interpretations. Wellbeing is a complex combination of all dimensions of health, characterised by an equilibrium in which the individual feels happy, healthy, capable and engaged. In this unit students identify personal perspectives and priorities relating to health and wellbeing, and enquire into factors that influence health attitudes, beliefs and practices, including among Aboriginal and Torres Strait Islanders. With a focus on youth, students consider their own health as individuals and as a cohort. They build health literacy through interpreting and using data, through investigating the role of food, and through extended inquiry into one youth health focus area.

Unit 2 investigates transitions in health and wellbeing across the lifespan. Students look at changes that are part of the progression from youth to adulthood. The development of health literacy skills required due to increasing independence and responsibility and the changes this might bring such as long-term relationships, considerations of parenthood and the management of health-related milestones and changes. Students enquire into the Australian healthcare system and extend their capacity to access and analyse health information. They investigate the challenges and opportunities presented by digital media and health technologies, and consider issues surrounding the use of health data and access to quality health care.

Pathways

This subject is a good preparation for and leads to further study in VCE Health and Human Development Units 3-4.





Year 11 Health & Physical Education

VCE PHYSICAL EDUCATION UNITS 1 & 2 (YEAR 11)

If you enjoy learning about how the systems of the human body work together to produce movement then this is the subject for you. In Unit 1 you will develop an understanding of physical activity, sport and society from a participatory perspective. You will actively promote physical activity in different settings rather than just learning about why it is good for you. You will be responsible for increasing the physical activity of a person of your choice. You will collect and analyze data on their participation in physical activity and sedentary behaviours, then create and undertake a plan for them to meet the Australian guidelines for physical activity. You will make links between physical activity, sport, health and society.

You will learn about how the respiratory and cardiovascular system work in conjunction with the musculoskeletal system to allow us to perform physically. This allows us to look at how these systems change when we are at rest and when we are exercising. We then discover how these systems can be trained to improve our fitness and in turn make us perform better. You will be involved in weekly physical activities where we will be able to put what we learn into action what we are learning in theory.

You will be able to explain how the musculoskeletal system functions to produce movement and how performance can be enhanced both legally and illegally. You will be able to explain how the cardiorespiratory system changes at rest and during physical activity, and how using performance enhancing practices can have both benefits and harms to the body. You will also design and participate in 4 training sessions that are written up as a mini training diary.

Pathways

This subject is a good preparation for and leads to further study in VCE PE Units 3-4.





Year 11 Health & Physical Education

VCE OUTDOOR & ENVIRONMENTAL STUDIES UNITS 1 & 2 (YEAR 11)

Outdoor and Environmental Studies combines practical experiences and theoretical knowledge of the outdoor environment.

Unit 1 focuses on exploring outdoor experiences. You will examine motivations for and responses to nature and outdoor experiences. You will examine a variety of different types of outdoor environments and be introduced to a cultural perspective on the ways humans relate to outdoor environments. You will learn to participate safely in outdoor experiences and develop relevant practical skills including first aid to enable safe participation in practical experiences. You will then examine the influences on outdoor experiences and evaluate how your personal responses are influenced by media portrayals of outdoor environments and perceptions of risk involved in outdoor experiences. You will consider factors that affect access to outdoor experiences and explain the effect of different technologies on outdoor experiences.

In Unit 2 the focus is on discovering outdoor environments. You will learn about the characteristics of a variety of outdoor environments, including those visited during practical outdoor experiences. You will undertake case studies of different types of outdoor environments to observe and experience how changes to nature affect people. You will then learn about human activities undertaken in outdoor environments and their impacts on those environments. Additionally, students will investigate and model individual and group responsibilities for activities in outdoor environments, including community-based environmental action and the promotion of positive impacts on outdoor environments.

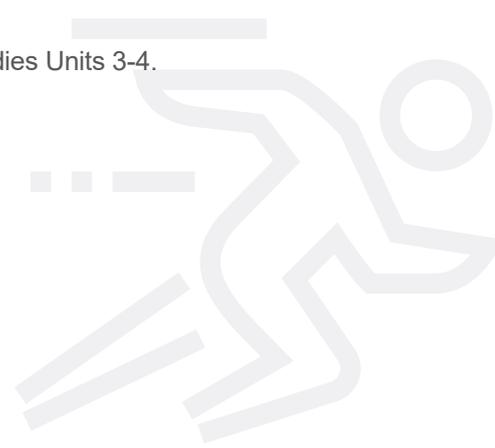
Practical Experiences

- 3 Day Hiking Camp: this trip includes hiking the amazing Otway coastline on the Great Ocean Walk. It also includes a visit to Melba Gully and the glow worms at night, the camp concludes with a Treetop Walk at the Otway Fly
- 3 Day Ski Camp: this trip includes a 3-day visit to the edge of the Alpine National Park, including 2 days of Cross Country skiing at Mount Stirling and sleeping in the specially designed tents of the Mount Stirling Experience. It is an exciting and challenging once in a lifetime experience
- Seal and Dolphin Swims is also a regular feature of this course.

Note: Camps are a compulsory component of the course. It is expected that all students enrolled in the subject will attend both camps which form the basis of all our learning about outdoor environments.

Pathways

These Units are preparation for VCE Outdoor Education and Environmental Studies Units 3-4.





Year 11 Technology

VCE FOOD STUDIES UNITS 1 & 2 (YEAR 11)

In Unit 1 you will explore how humanity has historically sourced its food from hunter-gatherers to global food trades. You will look at Australian indigenous food and consider food patterns since European settlement. You will investigate cuisines that are part of Australia's identity today and reflect on the concept of an Australian cuisine. Influences of technology and globalization on food patterns are explored.

In unit 2 you will investigate food systems in contemporary Australia looking at both commercial food production industries and food production in small-scale, domestic settings. The importance of high-quality and safe foods, that meet the needs of consumers, are investigated. In both Units 1 and 2 you will use your practical skills and knowledge to produce foods and analyze the benefits and challenges of developing and using food skills in daily life.

Pathways

This subject is a good preparation for and leads to further study in VCE Food Studies Units 3-4.





Year 11 Arts

VCE MEDIA UNITS 1 & 2 (YEAR 11)

In Unit 1 as Media students you will examine the way meaning is constructed via different media forms. You will deepen your understanding of how creators inspire meaning through using representations, codes and conventions.

You will look specifically at Australian narratives and how they have shaped our identities, as well as how Indigenous Australians are some of the world's oldest story-tellers. The Australian media is regulated in various ways and you will investigate how and why it is regulated, as well as the challenges of regulation. You will develop your understanding of how our media industry operates both in terms of creating professional content, as well as how Australian audiences make meaning from various media content because of our social, cultural and historical contexts. You will develop your technical production skills to create a film poster as well as experimenting with other media forms.

In Unit 2, you will focus your technical skills, collaboratively developing either a photographic series or short film. You will also work in forms such as podcasts and video essays, developing your own style as a creator by gleaning inspiration from other media creators and learning to analyse their work, inspirations and contexts in depth. You will also explore how the media has changed over time and in turn, how audiences' expectations, prior knowledge, engagement and creation of content has also evolved.

Pathways

This subject is preparation for and leads to further study in VCE Media Units 3 and 4.





Year 11 Arts

STUDIO ART UNITS 1 & 2 (YEAR 11)

The focus of Unit 1 is 'Studio Inspiration and Techniques'. You will explore individual ideas and identify sources of inspiration to be used for making art using a variety of different Art Forms. You will learn about art making practices that use a variety of methods to communicate design ideas. You will study artists, art styles and artworks to understand cultural and historical contexts.

You will produce a folio of work that explores art elements and principles by exploring a variety of subject matter and art forms. You will develop a concept and ideas to develop your independent studio process to produce at least one finished artwork in a selected art form and then reflect on your work. You will also discuss the artistic practice of artists from different times and cultures, identify sources of inspiration and influence and, materials and techniques, for at least two artworks by two artists.

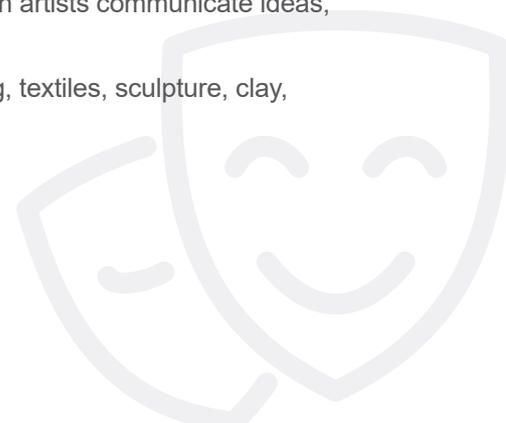
In Unit 2 students individually document sources of inspiration and experimentation with materials, and techniques using selected art forms. They explore subject matter and aesthetics, recording the development of their work in a visual diary. Students learn about the appropriation of artworks.

You will also explore studio practice and the development of artworks. You develop an individual exploration proposal to form the basis of a studio process and potential directions in a visual diary for at least one artwork. You then create the artwork and reflect on your work. You will also compare a range of historical and contemporary art periods, styles/movements and analyze the ways in which artists communicate ideas, develop styles and demonstrate aesthetic qualities in artworks.

Art forms that can be used in Studio Arts include: painting, drawing, printmaking, textiles, sculpture, clay, collage, mixed media, digital media and photography.

Pathways

These Units are preparation for VCE Studio Arts Units 3 and 4.





Year 11 Arts

VISUAL COMMUNICATION DESIGN UNITS 1 & 2 (YEAR 11)

Most of the work in this subject is practical by nature, with many requiring drawing. There is a written component to the subject.

In Unit 1 you will develop your thinking and drawing skills to make your ideas become real. You create a variety of visual communications for different purposes. You will describe how visual communications have been influenced by past and contemporary practices, and by social and cultural factors. You will develop your skills in freehand drawing and observational drawing using a variety of drawing methods, media and materials.

In Unit 2 you will apply your design and drawing skills to specific design areas. You will create presentation drawings using technical drawing systems. You will manipulate type and imagery for print and screen-based presentations. You will navigate the design process to create a visual communication appropriate to a given brief. You will develop your skills in freehand, instrumental and computer-based drawing.

Pathways

This subject is the foundation for further study VCE Visual Communication Design Units 3-4.





Year 11 Arts

VCE DRAMA UNIT 1 / THEATRE STUDIES UNIT 2 (YEAR 11)

Unit 1 Drama focuses on studying performance styles from a range of social, historical and cultural contexts. You will examine drama traditions of ritual and storytelling to devise performances that go beyond re-creation and/or representation of real life as it is lived. You will create, present and analyse a devised solo and/or ensemble performance that includes real or imagined characters and is based on stimulus material that reflects personal, cultural and/or community experiences and stories. You will analyse your own performance work and a work by professional drama performers. You will apply play-making techniques to shape and give meaning to your performance. You will document the processes you use as you explore a range of stimulus material, and experiment with production areas, dramatic elements, conventions and performance styles.

Unit 2 Theatre Studies focuses on the application of acting, direction and design in relation to theatre styles from the modern era, that is, the 1920s to present. You will creatively and imaginatively work in production roles with scripts from the modern era of theatre, focusing on at least three distinct theatre styles. You will study innovations in theatre production in the modern era and apply this knowledge to your own works. You will develop knowledge and skills about theatre production processes including dramaturgy, planning, development and performance to an audience and apply this to your work. You will study safe and ethical working practices in theatre production and develop skills of performance analysis, which you will apply to the analysis of a play in performance.

Pathways

Drama Unit 1 and theatre Studies Unit 2 are a pathway and lead to Theatre Studies Units 3 and 4

VCE MUSIC PERFORMANCE UNITS 1 & 2 (YEAR 11)

Unit 1 focuses on building performance and musicianship skills. You will develop a repertoire of solo and group works for performance. You practise technical exercises to meet the stylistic and expressive challenges required by these works. You will study aural, theory and analysis concepts to further develop your musicianship.

Unit 2 continues to build performance and musicianship skills. You will develop a repertoire of solo and group works for performance. You continue to practise technical exercises to meet the stylistic and expressive challenges required by these works. You study aural, theory and analysis concepts to further develop their musicianship. You will also devise an original composition or improvisation.

In order to do this subject you are required to be having regular private lessons on your instrument of choice. It is highly recommended that you are up to Grade 3 in theory.

Pathways

This subject is preparation for and leads to further study in VCE Music Units 3 and 4 and, Certificate IV Music (Sweethearts).



Year 11 Languages

VCE FRENCH UNITS 1 & 2 (YEAR 11)

In Units 1 and 2 you will continue to improve your reading, writing, listening and speaking skills in French. You greatly improve your knowledge of French grammar which enables you to communicate with greater accuracy and sentence variety. Topics include: school life in France; daily routines at school and at home; French-speaking countries in Africa; social outings and how to persuade people in French. We then explore the world of French art before learning about some important figures in French history and historical connections between France and Australia.

Outcomes will focus on assessing the key skills of reading, writing, viewing, listening and speaking.

Pathways

To study unit 1&2 French, you would have to have obtained a pass in Year 10 French, or have equivalent experience.

VCE INDONESIAN UNITS 1 & 2 (YEAR 11)

In Units 1 and 2 you will continue to improve your reading, writing, listening and speaking skills in Indonesian. You will learn Indonesian through studying a range of topics, such as the personal world of a young Indonesian person, which includes what music they listen to, what films they like, where they hang out on weekends, and the use of slang. You will investigate how much they are influenced by Western culture, and how to express their opinions about that. Of course, the annual visit by students from our sister school in Lombok helps in this area of study.

Outcomes will focus on assessing the key skills of reading, writing, viewing, listening and speaking.

Pathway

To study unit 1&2 Indonesian, you would have to have obtained a pass in Year 10 Indonesian, or have equivalent experience.

You may also have the opportunity to travel to Lombok to visit our Indonesian sister school and participate in a homestay program. This subject is preparation for and leads to further study in VCE Indonesian Units 3-4.



Year 12 VCE Curriculum

VCE UNITS 3-4 YEAR 12

YEAR 12

ENGLISH	MATHS	SCIENCE	HUMANITIES	TECHNOLOGY	H.A.P.E	ARTS
ENGLISH &/or LITERATURE	FURTHER MATHS MATHS METHODS SPECIALIST MATHS	BIOLOGY CHEMISTRY ENVIRONMENTAL SCIENCE PHYSICS PSYCHOLOGY	AUSTRALIAN HISTORY GEOGRAPHY* LEGAL STUDIES EXTENDED INVESTIGATION	FOOD STUDIES LANGUAGES FRENCH INDONESIAN	HEALTH & HUMAN DEVELOPMENT OUTDOOR & ENVIRONMENTAL STUDIES PHYSICAL EDUCATION	MEDIA MUSIC PERFORMANCE STUDIO ARTS THEATRE STUDIES* VISUAL COMMUNICATION DESIGN



Year 12 English

VCE ENGLISH UNITS 3 & 4 (YEAR 12)

English helps you to become a confident communicator, imaginative and creative thinker and informed citizen. Through the study of English, you will learn to analyze, understand, communicate and develop relationships with others and the world around you. You must satisfactorily complete an English sequence in order to gain your VCE.

Building on previous English learning, the focus of this course is on reading, writing, speaking and listening to a range of different texts, developing your understanding of how meaning is created, as well as the different ways in which a text can be interpreted. You will also enhance your ability to think critically and creatively as well as increasing your appreciation and enjoyment of language.

You will focus on the reading of a range of literary texts to develop critical and supported responses. There are two texts studied over the course of the year – these are selected from a list published annually by VCAA. You will develop your understanding of how a selected text constructs meaning, conveys ideas and values, and is open to a range of interpretations and produce a written analysis of the text in a formal essay.

You will explore how comparing texts can provide a deeper understanding of ideas, issues and themes. You will investigate how the reader's understanding of one text is broadened and deepened when considered in relation to another text.

There is also a focus on the analysis and comparison of the use of written and visual language in texts that debate a current issue in the Australian media and the presentation of your own point of view on a selected issue in oral form.

VCE LITERATURE UNITS 3 & 4 (YEAR 12)

Literature involves the study and enjoyment of a wide range of literary texts – classical, popular, traditional and modern. Its distinctive focus is on the use of language to illuminate and give insight into the nature of experience. Literature is an interactive study between the text, the social/political/economic context in which the text was produced, and the experiences of life and of literature that the reader brings to the text.

In class we ask questions about the author's concerns, the experiences of characters, and how meaning is created through the text's use of language and literary devices.

There are no prerequisites for Units 1, 2 and 3 Literature, but Unit 3 must be studied before Unit 4. If you aim to do Literature Units 3 and 4 as your only English subject, it is recommended that you study Units 1 and 2 Literature if you wish to maximize your English score.



Year 12 Mathematics

VCE FURTHER MATHS UNIT 3 & 4 (YEAR 12)

If you study Further Mathematics you will have studied General Mathematics Unit 1 and 2 or Mathematical Methods Units 1 and 2.

You will study Data Analysis which is the investigation of data, finding the relationship between sets of data and looking at how to analyze data over time. Financial modelling is focused on developing your understanding and skills so that you can handle finances and plan for the future. The 'Networks' focus is a logical way to look at problem solving and is often used in planning and event management. You will explore 'Matrices' which involves representing data to solve problems and are used in consumer shopping, travel, school enrolments, sporting competitions.

You will be expected to have a CAS (Computer Algebra Systems) calculator as one of the assessed learning outcomes is "use of technology".

VCE MATHS METHODS UNIT 3 & 4 (YEAR 12)

This subject is designed to provide you with access to worthwhile and challenging mathematical learning in a way that takes into account your learning needs. It is also designed to promote your awareness of the importance of mathematics in everyday life in a technological society, and confidence in making effective use of mathematical ideas, techniques and processes.

You will engage in the following mathematical activities within the areas of study:

- Apply knowledge and skills: Learning and practising mathematical algorithms, routines and techniques, and using them to find solutions to standard problems.
- Model, investigate and solve problems: The application of mathematical knowledge and skills in unfamiliar situations, including situations that require investigative, modelling or problem solving approaches.
- Use technology: The effective and appropriate use of technology to produce results, which support learning mathematics and its application in different contexts.
- You will use the CAS (Computer Algebra Systems) calculator as a learning tool to enhance your understanding of the concepts.



Year 12 Mathematics

VCE SPECIALIST MATHS UNITS 3 & 4 (YEAR 12)

Specialist Mathematics builds on the learning in Mathematical Methods Units 3 and 4. It also builds on what is learnt in Specialist Mathematics and Mathematical Methods Units 1 and 2.

You will engage in the following mathematical activities within the areas of study:

- Apply knowledge and skills: Learning and practising mathematical algorithms, routines and techniques, and using them to find solutions to standard problems
- Model, investigate and solve problems
- Use technology: The effective and appropriate use of technology to produce results, which support learning mathematics and its application in different contexts
- You will use the CAS (Computer Algebra Systems) calculator as a learning tool to enhance your understanding of the concepts.

Specialist Mathematics has Mathematical Methods 3 & 4 as a co-requisite – that is to study Specialist Mathematics you must have studied or are studying Mathematical Methods 3 & 4). You should also have studied Specialist Mathematics 1 & 2. You need to be sure you have the algebra skills to support the content covered in Specialist Mathematics.





Year 12 Science

VCE BIOLOGY UNITS 3 & 4 (YEAR 12)

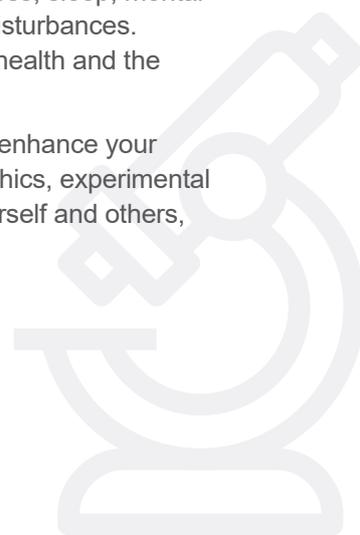
In Unit 3 Biology you will explore the question 'How do cells maintain life?' which includes key cellular processes including enzyme regulation, photosynthesis and cellular respiration as well communication between cells and immune responses to invading pathogens. In Unit 4 Biology you will learn explore 'How are species related?' and 'How do humans impact on biological processes?'

Throughout the year, you will take part in a number of different activities and experiments to enhance your learning. You will create an electronic scientific poster to communicate your findings of a scientific investigation as well as attend BioLab and undertake a DNA manipulation technique using the latest genetic technology.

VCE PSYCHOLOGY UNITS 3 & 4 (YEAR 12)

Psychology is the scientific study of the mind and of human behaviour. In Unit 3 Psychology you will learn about topics including nervous system functioning, the different types of stress, causes and strategies for coping with stress, as well as learning and memory. For example, you will learn about the different models of memory as well as techniques for improving memory. In Unit 4 you will study topics such as consciousness, sleep, mental health and phobias. For example, you will learn about the stages of sleep and major sleep disturbances. You will also begin to understand the factors that are involved in the maintenance of mental health and the development of mental illness.

Throughout the year, you will take part in a number of different activities and experiments to enhance your learning. You will also learn about the research methods involved in Psychology, including ethics, experimental design, reporting conventions and basic statistics. If you are interested in learning about yourself and others, then Psychology is the subject for you!





Year 12 Science

VCE CHEMISTRY UNITS 3 & 4 (YEAR 12)

If you enjoyed Chemistry 1-2 and would like to build on your understanding of reaction types and chemical production then this subject is for you. In Unit 3 you will learn about the range of fuels available for humans to use to produce energy and the reactions associated with these. You will consider the advantages and disadvantages of each fuel from an environmental and economic perspective. You will learn how to optimise reaction conditions to get the maximum yield from chemical reactions in industry.

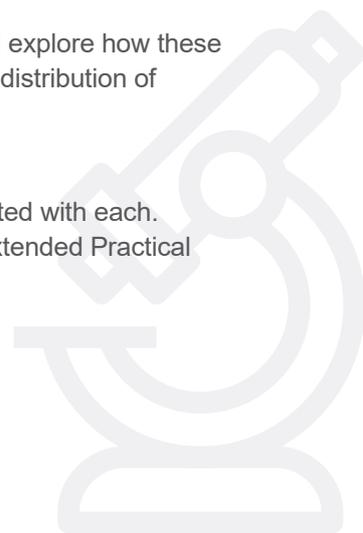
In Unit 4 you will be involved in a detailed study of the amazing chemistry of carbon compounds. You will learn various reaction pathways to synthesise a range of carbon compounds and the instrumentation that is used to analyse these compounds. You will use molecular models and experiments to consider important compounds such as proteins, carbohydrates and fats and how the chemical structure of these compounds influences their properties and behaviour. There is some mathematics involved in this subject and you should be confident in using and manipulating equations.

VCE PHYSICS UNIT 3 & 4 (YEAR 12)

In Unit 3 you will learn about the three fields – gravitational, electrical and magnetic. You will explore how these fields determine the energy and forces on an object. You will learn about the production and distribution of electricity and the subsidiaries of this. You will further enhance your studies of motion.

In Unit 4 you will explore how two contradictory models explain both light and matter.

You will explore both wave models and particle models for light and the phenomena associated with each. You will investigate theories behind the aspects of light and matter. You will undertake an Extended Practical Investigation with guidance from your teacher.





Year 12 Science

VCE ENVIRONMENTAL SCIENCE UNITS 3 & 4 (YEAR 12)

Are you interested in the environment and the role humans play in keeping it healthy? Have you enjoyed learning about sustainability in the past? Environmental Science combines mathematics, some biology, some chemistry and even a little bit of physics.

This subject will provide you with the opportunity to understand the impacts that humans have on the environment and what can be done to minimize these impacts. In the first half of the year we will look at biodiversity and how development can be sustained in our ever evolving world. You will have the chance to apply the knowledge you gain in the classroom to real situations out in the field. In the second half of the year we will look at how we can reduce the impacts of human energy use. We will analyze the social and environmental impacts of energy production and use on society and the environment. We will also explore the complexities of Climate Change and use data to support the science behind it.

This subject has no prerequisites.





VCE LEGAL STUDIES UNITS 3 & 4 (YEAR 12)

In Unit 3 you will develop an understanding of the institutions that determine our laws, and their law-making powers and processes and undertake an informed evaluation of the effectiveness of law-making bodies. You will develop an appreciation of the complex nature of law-making by investigating the key features and operation of parliament, and influences on law-making, with a focus on the role of the individual. Central to the investigation of law-making is the role played by the Commonwealth Constitution. You will learn about the importance of the Constitution and the High Court in your life and in society as a whole, and undertake a comparative analysis with another country. You will investigate the nature and importance of courts as law-makers and undertake an evaluation of their effectiveness as law-making bodies. You will also investigate the relationships that exist between parliaments and courts.

Unit 4 introduces you to the concept that the legal system provides mechanisms by which legal disputes of both a criminal and a civil nature can be resolved in a fair and just manner. Dispute resolution bodies such as courts and tribunals employ a range of means and processes that enables the resolution of legal disputes. You will examine the institutions that adjudicate criminal cases and civil disputes and investigate methods of dispute resolution that can be used as an alternative to civil litigation. You will learn about the processes and procedures followed in courtrooms and develop an understanding of the adversary system of trial and the jury system, as well as pre-trial and post-trial procedures that operate in the Victorian legal system. Using the elements of an effective legal system, you will then consider the extent to which court processes and procedures contribute to the effective operation of the legal system and consider reforms or changes that could further improve its effective operation.





Year 12 Humanities

AUSTRALIAN HISTORY UNIT 3 & 4 (Year 12)

In Units 3 and 4 Australian History, you will develop your understanding of the foundational and transformative ideas, perspectives and events in Australia's history and the complexity of continuity and change in the nation's story.

The study of Australian history is considered both within a national and a global context, particularly Aboriginal and Torres Strait Islander peoples and culture, a colonial settler society within the British Empire and as part of the Asia-Pacific region. You will come to understand that the history of Australia is contested and that the past continues to contribute to ongoing interpretations, debates and tensions in Australian society.

Aboriginal and Torres Strait Islander cultures are the oldest, continuous cultures in the world, having existed in Australia for at least 60,000 years. Their custodianship of Country led to the development of unique and sophisticated systems of land management, social structures, cultural beliefs and economic practices. European colonisation of Australia brought devastating and radical changes to Aboriginal and Torres Strait Islander peoples. Furthermore, the significant turning points such as European settlement, the gold rushes, Federation, the passage of social, political, and economic reforms, the world wars, the emergence of social movements and Aboriginal recognition and land rights have challenged and changed the social, political, economic, environmental and cultural features of the nation, contributing to development of a multicultural and democratic society. You will explore the factors that have contributed to Australia becoming a successful multicultural and democratic society. Throughout this study, you examine and discuss the experiences, perspectives and historical interpretations of Indigenous as well as non-Indigenous people.

In Units 3 and 4, you construct arguments about the past using historical sources (primary sources and historical interpretations) as evidence to analyse the continuities and changes, and evaluate the extent to which change occurred in the lives of Australians. You investigate the significant turning points and trends in Australia's past to identify the causes, patterns, direction, pace, depth and impact of continuity and change in society. You also consider the extent to which events, ideas, individuals, groups and movements contributed to, influenced and/or resisted change. You consider competing historical interpretations, debates and the diverse perspectives of people at the time and how they may have changed while others may have remained the same.



Year 12 Humanities

GEOGRAPHY UNIT 3 & 4 (Year 12)

The study of Geography is a structured way of exploring, analysing and understanding the characteristics of places that make up our world. Geographers are interested in key questions concerning places and geographic phenomena: What is there? Where is it? Why is it there? What are the effects of it being there? How is it changing over time and how could, and should, it change in the future? How is it different from other places and phenomena? How are places and phenomena connected? You will explore these questions through fieldwork and investigation of a wide range of secondary sources.

Ten key geographic concepts underpin the study of VCE Geography – place, scale, distance, distribution, movement, region, process, change, spatial association and sustainability. VCE Geography is designed around two key themes: interconnection and change. Human interaction with environments has had, and continues to have, significant consequences.

In Unit 3 students focus on Changing the Land and this unit focuses on two investigations of geographical change: change to land cover and change to land use. Land cover includes biomes such as forest, grassland, tundra, bare lands and wetlands, as well as land covered by ice and water. Students investigate two major processes that are changing land cover in many regions of the world: melting glaciers and ice sheets, and deforestation. They will investigate the distribution and causes of the two processes and they select one location for each of the processes to develop a greater understanding of the changes to land cover produced by these processes, the impacts of these changes and responses to these changes at different scales. At a local scale students investigate land use change using appropriate fieldwork techniques and secondary sources. They investigate the processes of change, the reasons for change and the impacts of change. Students will undertake fieldwork and produce a fieldwork report, develop a research question and hypothesis and use both primary and secondary sources to collect data.

In Unit 4 the focus is on Human population – trends and issues. Students investigate the geography of human populations. They explore the patterns of population change, movement and distribution, and how governments, organisations and individuals have responded to those changes in different parts of the world. Students study population dynamics before undertaking an investigation into two significant population trends arising in different parts of the world. They examine the dynamics of populations and their environmental, economic, social, and cultural impacts on people and places. Students also investigate the interconnections between the reasons for population change. They evaluate strategies developed in response to population issues and challenges, in both a growing population trend of one country and an ageing population trend of another country, in different parts of the world.



Year 12 Extended Investigation

EXTENDED INVESTIGATION UNIT 3 & 4 (YEAR 12)

The VCE Extended Investigation enables you to develop, refine and extend knowledge and skills in independent research and carry out an investigation that focuses on a rigorous research question of your choosing. The investigation may be an extension of an area of curriculum already undertaken by you (eg in Biology or English or Psychology) or it may be completely independent of any other study in your VCE program. Through this study, you will develop your capacity to explore, justify and defend your research findings in both oral and written forms to an educated non-specialist audience.

The VCE Extended Investigation develops your understanding of what constitutes a good research question. You will develop an ethical, robust, disciplined and rational approach to gathering, interpreting and evaluating evidence in order to answer your research question. In this study, you will consider how research questions are developed and refined to enable the researcher to address the key issues proposed by the research within the limits that time and resources impose. You will conduct a review of relevant literature, develop research project management knowledge and skills, and develop ways of effectively presenting and communicating research findings. You are introduced to a broad range of research methods and will explore their comparative suitability for the investigation of particular questions.

Extended Investigation will enable you to

develop and construct a rigorous research question

- understand and apply research methods, explore a chosen area of investigation in depth
- develop as an independent, critical and reflective learner and thinker
- develop research project management knowledge and skills
- analyse and evaluate findings and results
- develop skills in written and oral presentation of research findings.

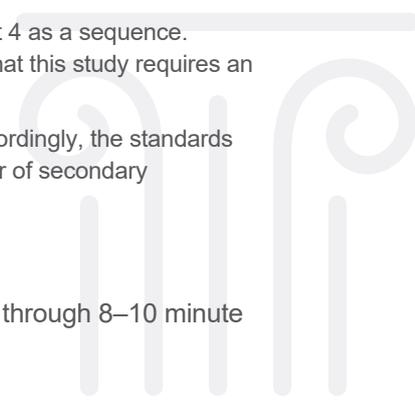
Extended Investigation is comprised of a Unit 3 and 4 sequence: Unit 3: Designing an extended investigation Unit 4: Presenting an extended investigation.

NOTE: There are no prerequisites for entry to Unit 3 and students must undertake Unit 3 and Unit 4 as a sequence. However, students will need to meet some criteria in order to be able to study this subject given that this study requires an extremely high degree of student independence, motivation and responsibility.

Units 3 and 4 are designed to a standard equivalent to the final year of secondary education. Accordingly, the standards of research expected of students undertaking this study are at a level consistent with the final year of secondary education.

Top Talks showcases exceptional oral presentations from VCE Extended Investigation students.

Selected students shared their original and rigorous independent research and findings through 8–10 minute presentations.





Year 12 Health & Physical Education

VCE HEALTH & HUMAN DEVELOPMENT UNIT 3 & 4 (YEAR 12)

In Unit 3 the focus is on 'Australia's Health in a Globalised World' – you will explore the complex, dynamic and global nature of health and wellbeing, interpret Australia's health status data and analyse variations in health status between population groups. You will explain changes to the public health approaches, analyse improvements in population health over time and evaluate health promotion strategies.

In Unit 4 the focus is on 'Health and Human Development in a Global Context'- you will analyse similarities and differences in health status and burden of disease globally and the factors that contribute to differences in health and wellbeing. You will also analyse the relationships between the Sustainable Development Goals and their role in the promotion of health and human development, and evaluate the effectiveness of global aid programs.

VCE PHYSICAL EDUCATION UNITS 3 & 4 (YEAR 12)

In Unit 3 Physical Education you will focus on 'The Analysis of Movement and Energy Production'. You will spend some time learning how to classify movement skills and then learn how to analyze these using a number of Biomechanical principles. Additionally, you will learn about how the energy systems interplay to provide fuel for movement. You will learn about fatigue and consider how to delay, prevent and manage fatigue while promoting recovery for a range of athletes.

In Unit 4 the focus shifts to training to improve performance. In this unit you will learn how to undertake activity analysis and then use the data gathered to design a targeted training program. A sound knowledge of fitness components and tests will be developed, along with an understanding of appropriate training methods and principles.

Please note: Practical classes will not run each week but will occur when possible and when they complement your theoretical work at the time.





Year 12 Health & Physical Education

VCE OUTDOOR & ENVIRONMENTAL STUDIES UNITS 3 & 4 (YEAR 12)

Outdoor and Environmental Studies is a challenging subject involving adventure which combines practical experiences and theoretical knowledge of the outdoor environment.

The focus on Unit 3 is on how Australians have understood and interacted with specific outdoor environments over time, including: Indigenous Australians, Early Settlers, increase in population, Industrialization, and Nation Building. The focus then shifts to the current relationship between humans and the outdoor environments. Practical experiences will enable you to investigate the patterns and types of interaction with the outdoor environment and society's responses to risk taking in the outdoors.

In Unit 4 you explore the contemporary state of environments in Australia and the importance of natural environments to individuals and society – 'Why is our natural environment important for future human societies?' Practical experience will help you to develop your knowledge and skills for safe and sustainable interaction with natural environments. You will then focus on the sustainability of environments in order to support the future needs of ecosystems, individuals and society. You will be required to investigate case studies of conflicts of interest between people involved in the uses of outdoor environments, and develop a clear understanding of the methods and processes commonly used in attempts to resolve these conflicts.

Practical Experiences:

- 4 Day Canoe Camp: this trip includes canoeing, hiking, caving and camping at the Lower Glenelg National Park.
- 4 Day Ski Camp: this trip includes a 4-day visit to the Alpine National Park, including 2 full days of downhill skiing at Mt Buller, an educational seminar from a park ranger and a case study of the uses & impacts of Alpine environments.
- Camps are a compulsory component of this course. A minimum of 20 hours of practical experience, must be undertaken in order to obtain a 'Satisfactory' completion of each Unit 3 and 4. It is expected that you will attend both camps.



Year 12 Technology

VCE FOOD STUDIES UNITS 3 & 4 (YEAR 12)

In Unit 3 you will investigate the many roles and influences on food. You will explore the science of food and the ways that the body is nourished. You will look at the properties of food and changes made during preparation and cooking. You will study the Australian Dietary Guidelines and the Australian Guide to Healthy Eating in order to develop an understanding of nutrient requirements and to develop lifelong and healthy dietary patterns. You will investigate the various influences on food choice and the ways that patterns of behaviour and food values have changed over time and the ways in which food information can be filtered and manipulated. The practical component of this unit will enable you to understand food science terminology and to apply specific techniques to the production of everyday food in order to promote nutritious and sustainable meal patterns.

In Unit 4 you will study global and Australian food systems. You will consider issues about the environment, ecology, ethics, farming practices and relevant technologies. You will investigate food security, food waste and the use and management of water and land. You will focus on food information and misinformation in order to draw evidence-based conclusions. You will practice food selection skills by interpreting food labels and analyze the marketing terms used on food packaging. As in unit 3, you will complete practical work that will provide opportunities to respond to environmental and ethical food issues and to extend your food production repertoire reflecting the Australian Dietary Guidelines and the Australian Guide to Healthy Eating.





Year 12 Arts

VCE STUDIO ARTS UNITS 3 & 4 (YEAR 12)

In Unit 3 you will focus on Studio Practices and Processes'. You will explore individual ideas and identify sources of inspiration to be used for developing your own art using a variety of different art forms. You explore art making practices, techniques and applications that use a variety of methods to communicate and develop ideas. You will study artists, art styles and artworks for inspiration, ideas and understanding of cultural and historical contexts.

You will prepare a written Exploration Proposal and Work Plan that sets the content and ideas for an individual Studio Process for the SAT and explains how the proposal will be undertaken. You will then develop and present an individual Studio Process of ideas and designs recorded in written and visual form that produces a range of potential directions, and links with the concepts and ideas in the exploration proposal. This process underpins the Unit 4 ART works. You will also examine the practice of at least two artists from different times, referring to a range of artworks by each artist, in different historical and cultural contexts.

In Unit 4 you will focus on planning the development and refinement and production of two cohesive artworks. The artworks link to the Exploration Proposal, Studio Process and Potential Directions developed in Unit Three. You will develop and present a visual and written evaluation explaining your selected range of Potential Directions from Unit 3 to produce at least two finished artworks in this unit.

You will also compare the methods used by artists and the considerations of curators in the preparation, presentation, conservation and promotion of specific artworks in two different art exhibitions. Roles of gallery staff are investigated. Comparisons of different exhibition spaces and how artworks are preserved and conserved are also examined. You will visit at least two art exhibitions in the year of Unit 3 and 4 Studio Arts study.

Art forms that can be used in Studio Arts include: painting, drawing, printmaking, textiles, sculpture, clay, collage, mixed media, digital media and photography.



Year 12 Arts

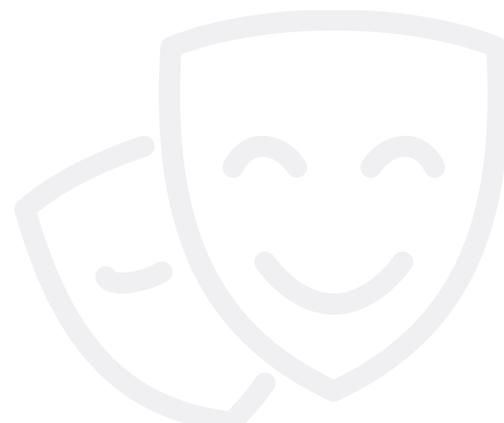
VCE MEDIA UNITS 3 & 4 (YEAR 12)

Through studying the common ideologies, beliefs and values at the time of production as well as the institutional context of funding, regulation, technology and other production elements, in Unit 3 you will gain a rich knowledge of two culturally significant films. Your analysis of how the ideological and institutional contexts impact the audiences consumption, reading, engagement and reception of the films will enable you to create meaningful products of your own, broaden your understanding of the world around you, as well as help you think critically about other media products.

In Unit 3 you will also embark on the research and development, and pre-production phases of your final media product. Your work on the final media product will span units 3 and 4, whereby you will create your own narrative in any media form for a specific audience. Your work in Unit 3 will include in-depth research into your chosen form, genre style, as well as creating detailed written and visual pre-production documents as relevant to your selected form. You will also explore and experiment with media technologies to develop skills in your selected media form, reflecting on and documenting your progress.

In Unit 4 you will focus on the production and post-production stages of your final media product, bringing the media production design created in Unit 3 to its realisation. You will refine your final media product in response to feedback and through personal reflection, increasing your understanding of the importance of thorough documentation.

You will also explore the relationship between the media and audiences, focusing on the opportunities and challenges of the current media landscape. This will include analysis of contemporary issues in the media as well as evaluating your own media consumption, engagement and privacy online. You will consider the nature of communication between the media and audiences, explore the capacity of the media to be used by governments, institutions and audiences, and analyse the role of the Australian government in regulating the media.





Year 12 Arts

VCE VISUAL COMMUNICATION DESIGN UNITS 3 & 4 (YEAR 12)

Most work in this subject is practical. Most tasks require drawing. There are two short written components to the subject.

In Unit 3 you focus on 'Design thinking and practice'. You will create visual communications for specific contexts, purposes and audiences that are informed by analysis of existing visual communications. You describe how designs are created and produced in the design industries. You then begin your major folio task by preparing your own individual brief, do some research and generate a range of ideas. You will develop your creative skills following the design process, to come up with many different directions that you can follow up later.

The focus of Unit 4 is 'Design development and presentation' and you will build on your learning in Unit 3. You will develop several distinctly different design concepts. By pitching your ideas to the class, you will then select and refine a concept and produce two final presentations in your folio task that satisfy the requirements of the brief. Your folio allows you to showcase your skills in drawing, creative thinking and the design process. For most of the year you will define your own personal focus and direction. You will record your work in a comprehensive folio. This folio is a key component of applying for university and TAFE courses after Year 12.

VCE MUSIC PERFORMANCE UNITS 3 & 4 (YEAR 12)

Unit 3 focuses on developing performance and musicianship skills. You will develop a repertoire of solo and group works representing a range of styles for performance. You will practice technical exercises to meet the stylistic and expressive challenges required by these works. You will develop your skills in sight-reading music, aural perception and theory. Analysis concepts are applied to selected Australian works.

In Unit 4 you will refine their performance skills in preparation for a recital of solo and group works. You refine your instrumental techniques to meet the stylistic and expressive challenges required by these works. You continue to study aural and theory concepts to further develop your musicianship. Analysis continues of selected Australian works.

You will need to be having regular individual lessons on your chosen instrument and have done up to Grade 3 music theory.



Year 12 Arts

VCE THEATRE STUDIES UNITS 3 & 4 (YEAR 12)

Producing Theatre: Unit 3 will build on skills developed in Unit 1 Drama and Unit 2 Theatre Studies to develop an interpretation of a script through the three stages of the theatre production process: planning, development and presentation. The presentation of this work is through a theatre production in an appropriate venue.

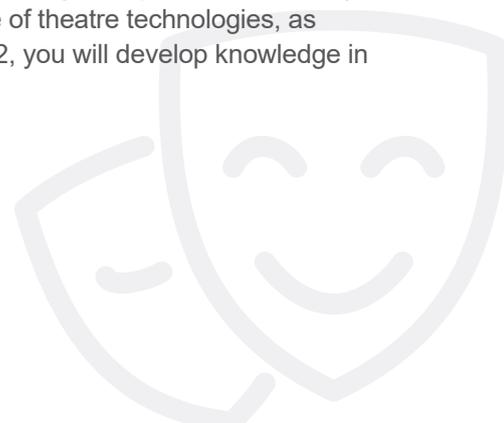
You will specialise in two production roles, working collaboratively, creatively and imaginatively to realise the production of a script. You may select acting or designing roles, or a combination of both. You will use knowledge developed during this process to analyse and evaluate the ways work in production roles can be used to interpret script excerpts previously unstudied.

You will develop knowledge and apply elements of theatre composition, and safe and ethical working practices in the theatre. You will attend a performance selected from the prescribed VCE Theatre Studies Unit 3 Playlist and analyse and evaluate the interpretation of the script in the performance. The Playlist is published annually on the VCAA website.

Presenting and Interpretation: Unit 4 will study a scene and an associated monologue. You will build on skills developed in Unit 1 Drama, as well as Unit 2 and 3 Theatre Studies to initially develop an interpretation of the prescribed scene.

This work includes exploring theatrical possibilities and using dramaturgy across the three stages of the production process. You will then develop a creative and imaginative interpretation of the monologue that is embedded in the specified scene. To realise your interpretation, you will work in production roles as an actor and director, or as a designer.

Your work for Areas of Study 1 and 2 is supported through analysis of a performance you attend. The performance must be selected from the VCE Theatre Studies Unit 4 Playlist. The Playlist is published annually on the VCAA website. You will analyse acting, direction and design and the use of theatre technologies, as appropriate to the production. In conducting your work in Areas of Study 1 and 2, you will develop knowledge in and apply safe and ethical theatre practices.





Year 12 Languages

VCE FRENCH UNITS 3 & 4 (YEAR 12)

In Units 3 and 4 you will continue to improve your reading, writing, listening and speaking skills in French, as well as improving your knowledge of French grammar, allowing you to express yourself with growing sophistication. You will discuss everyday technology such as computers and mobile phones. We also look at some of the countries of the French-speaking world and the regions of France, discovering their differences and similarities. We will also explore French artistic movements and study the issue of African migration to France and the issues that young French people of migrant background face. Learning outcomes will focus on assessing the key skills of reading, writing, viewing, listening and speaking.

At Year 12 level you are able to enrol in VCE Extension classes with the Alliance Française de Geelong to develop your skills further. Hosting or staying with a student from our sister school on Reunion Island provides you with opportunities to help someone your age to improve their English and gives you a chance to speak French.

VCE INDONESIAN UNITS 3 & 4 (YEAR 12)

In Year 12 we focus on the themes of the urban environment of the large Indonesian cities, and related social issues such as the drift of people from villages to the city, unemployment, poverty, lack of equality and opportunity for education. You will also investigate social media, famous women from Indonesia's history and learn how to negotiate leisure activities in Indonesian. We will also investigate environmental issues, such as threatened wildlife species, pollution, land use and degradation and recycling. Learning outcomes will focus on assessing the key skills of reading, writing, viewing, listening and speaking.

At this level you will work with a native speaker to develop your skills further. Hosting or staying with a student from our sister school in Lombok provides you with opportunities to help someone your age to improve their English and gives you a chance to speak Indonesian in context.



VET and SBATs

VOCATIONAL EDUCATION AND TRAINING (VET) & SCHOOL BASED APPRENTICESHIPS AND TRAINEESHIPS (SBATs)

What is a VET course or School based Traineeship/Apprenticeship?

This is a way of completing a Certificate course in an area of interest which will credit towards VCE or VCAL.

- In VCAL a VET or School based traineeship MUST be completed to be awarded a VCAL certificate at Intermediate and Senior level.
- In VCE If you want to study a VET Certificate and it fits into your chosen pathway, it can replace one VCE subject in years 11 and 12 and can count as a year 12 VCE subject adding to your ATAR score.
- In VCE if you want to study a SBAT certificate, there will be discussion with the Pathways Leader about how it fits into your chosen pathway and if you have selected the best mix of subjects based on subjects offered and pathway requirements. It will count as one of your VCE subjects in year 11 but will give you credit as a year 11 and year 12 subject and can count into your ATAR score.
- A School based Apprenticeship is a way of starting work as an Apprentice in a trade while still at school so that you are ahead of your training when you leave school, and you also have set employment. An Apprenticeship will involve some work and training in years 11 and 12 and then it will continue beyond school.

VET courses are Certificate courses which usually take two years to complete. There is the opportunity to study Dance, Beauty, Equine, Animal Studies, Agriculture, Salon Assisting, Carpentry, Building, Hospitality (Chef), IT, Music Performance, Visual Arts and more. You will be required to travel to another school, or walk into the City of Geelong, to an organisation where these are offered, on Wednesday afternoons in year 11 or Monday afternoons in year 12. A VET bus system is in place to help you access other schools at a cost to your parents/carers. There are also materials costs to your parents/carers for you to study these subjects which must be paid to MFG in advance.



VET and SBATs continued

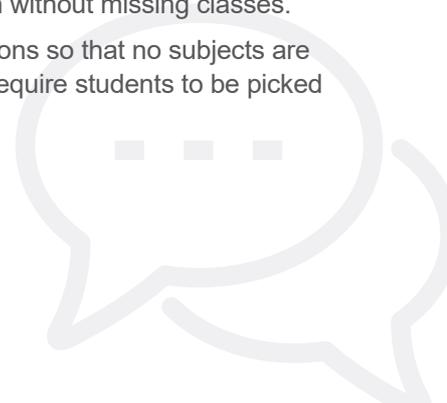
VOCATIONAL EDUCATION AND TRAINING (VET) & SCHOOL BASED APPRENTICESHIPS AND TRAINEESHIPS (SBATs)

School based Traineeships are usually Certificate III courses which are completed for one year and are offered in areas such as Health Assisting, Education Support, Fitness, Business, Hospitality (Cafes and hotels), Allied Health, Child care, Screen and Media and more. Training occurs on Wednesday afternoons at a training destination usually in the City of Geelong which students walk to. There are also costs to these courses but the costs are paid to the employer. Students will have to apply and be interviewed for places in SBAT courses.

It is a requirement that as well as training on Wednesday afternoons, any student studying a School based Traineeship must also work the equivalent of one day within the school week. This is paid work as a trainee. To fit this into your program

- The SBA day of work for VCE students will be Tuesdays and you will miss a single class of every subject on Tuesdays which you will need to catch up on. The school will provide support for this through the Pathways Leader but it is your responsibility to keep up to date. Teachers are asked to try to limit the amount of new content taught to VCE classes on Tuesdays.
- A VCAL student will work all day Friday.
- A VCE unit 3 and 4 student will work two half days in the timetable if it will fit in without missing classes.

All VET and SBAT training is fitted into the block on Wednesday or Monday afternoons so that no subjects are missed. Please note training in both often extends beyond the school day and will require students to be picked up from the training venues.





The Victorian Certificate of Applied Learning

The Victorian Certificate of Applied Learning (VCAL) is a VCAA recognized qualification and an applied learning option for Year 11 and 12 students.

VCAL is designed for students who are seeking a pathway from school to employment, traineeships, apprenticeships or TAFE. VCAL does not provide students with an Australian Tertiary Admission Rank (ATAR), however it is now recognized as an entry-level qualification into a number of university courses.

VCAL uses part of a VCE Mathematics and VET & SBAT programs as well as specific VCAL units, Personal Development Skills (PDS), Work Related Skills (WRS), Literacy and Numeracy to make up the requirements of the program.

You can enroll in this program in Year 11, however any VCE or VET programs completed in Year 10 contribute to a VCAL program.

Features of VCAL:

- Two levels of study: Intermediate and Senior (the length of each period of study is flexible but generally each certificate is achieved over a 12 month period).

What does a VCAL program include?

Four strands of study:

1. Literacy and Numeracy
2. Work Related Skills
3. Personal Development Skills
4. Industry Specific Skills



VCAL

HOW DO I SUCCESSFULLY COMPLETE A VCAL PROGRAM?

To achieve a VCAL certificate, you must complete a minimum of ten credits from the following:

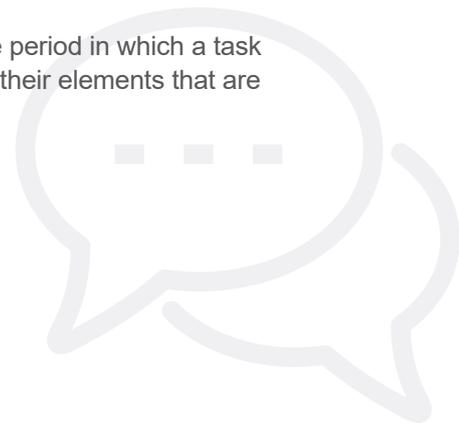
- VCAL units from PDS and WRS
- Completion of a VET program or SBAT and Structured Work Place for a substantial period of time
- VCAL Literacy at the Intermediate and/or Senior level
- VCAL Numeracy at the Intermediate and/or Senior level

HOW IS VCAL ASSESSED?

All VCAL students must successfully achieve each learning outcome in each unit or module of their VCAL program. VCE, VET and accredited courses/certificates are assessed in accordance with existing requirements and may contribute to an individual VCAL program. VCAL is a competency-based program where satisfactory completion is reliant upon each student demonstrating competency rather than sitting an exam or completing tests. Students do not need to achieve a specific grade to successfully complete any units or modules that count towards a VCAL certificate. Projects, tasks and activities are flexible and are designed to meet the specific needs of individual student programs and outcomes of the certificate at the student's level of study.

Evidence

Evidence is gathered as students plan and complete projects and activities over the period in which a task is undertaken. The evidence must demonstrate the specific learning outcomes and their elements that are outlined and published in the VCAA course guidelines for each VCAL unit of study.





The Victorian Certificate of Applied Learning

VCAL CURRICULUM MAP

INTERMEDIATE VCAL

Usually completed in Year 11

LITERACY

NUMERACY

WORK RELATED SKILLS

PERSONAL DEVELOPMENT SKILLS

SBA

OR

VET AND STRUCTURED WORK PLACEMENT

SENIOR VCAL

Usually completed in Year 12

LITERACY

NUMERACY

WORK RELATED SKILLS

PERSONAL DEVELOPMENT SKILLS

SBA

OR

VET AND STRUCTURED WORK PLACEMENT



Each unit is 5 periods per week
Lit, Maths/Numeracy, PDS, WRS



SBA/VET
Runs Wednesday afternoons
from Lunch onwards at
external venues



Structured Work Placement
Occurs all day Friday



VCAL

LITERACY

VCAL Literacy will be offered to students at Intermediate and Senior VCAL levels.

Literacy includes reading, writing and oral communication skills. The Literacy Skills Reading and Writing Unit satisfy the VCAL award requirements for the Literacy strand.

The Literacy Skills Units focus on:

- Developing your knowledge, skills and understanding relevant to reading, writing and oral communication in the social contexts of family, employment, further learning and community.
- Literacy for self-expression: focuses on aspects of personal and family life, and the cultures which shape these
- Literacy for practical purposes: focuses on forms of communication mainly used in workplace and institutional settings
- Literacy for knowledge: focuses on sociological, scientific, technological, historical and mechanical theories and concepts which are relevant to education and training
- Literacy for public debate: focuses on matters of public concern, and the forms of argument, reason and criticism used in the public arena.

NUMERACY

The curriculum for Numeracy skills is designed to develop student knowledge, skills and attributes relevant to identifying, applying and communicating mathematical information in the contexts of everyday life, family, employment, further learning and community.

Numeracy skills corresponding with these social contexts include mathematical knowledge and techniques, financial literacy, planning and organising, measurement, data, representation, design, problem-solving, using software tools and devices, and further study in mathematics or related fields.





VCAL

WORK RELATED SKILLS STRAND

A School Based Apprenticeship (SBA) or a VET course is part of the WRS units. Students are also required to work one day each week in a chosen industry area. This is an excellent way to develop your skills and to discover what the industry is all about.

PERSONAL DEVELOPMENT SKILLS STRAND

The aim of study in these units is to develop your skills, knowledge and attitudes that lead toward social responsibility, building community links through volunteering and working for the benefits of others, improving your self-confidence and your self-esteem, and valuing your civic participation in a democratic society.

INDUSTRY SPECIFIC SKILLS STRAND:

Completion of a VET program or SBAT can meet the Industry Specific Skills Strand. At the Intermediate and Senior level, curriculum selected from this strand must be drawn from nationally recognized certificates or training package qualifications.





PO Box 1285
Geelong Victoria 3220
Phone: +613 4243 0500
Email: matthew.flinders.girls.sc@edumail.vic.gov.au

MFG Matthew Flinders
Girls Secondary
College