



SENIOR COURSE GUIDE 2027



WELCOME

Choosing your senior pathway is an exciting and important step in your secondary school journey. This guide has been designed to help students and families understand the wide range of subject offerings at Emmanuel College and support informed decision-making for Years 10, 11 and 12.

Whether you are considering the Year 10 Program, VCE, VCE Vocational Major (VM), a VET program, or the Victorian Pathways Certificate (VPC), this guide outlines the learning opportunities, subject content, and future pathways available to you.

Use this guide to:

- Explore the Year 10 subject offerings, including acceleration opportunities
- Explore all VCE and VCE VM subjects offered
- Understand what each subject offers
- Identify the subjects that align with your interests, strengths, and career goals
- Check prerequisites and plan your course to meet VCE or VCE VM requirements
- The clock (🕒) symbol indicates that participation in this subject may require a time commitment both after school hours and/or during the school day.
- The dollar symbol (\$) indicates that there is a levy associated with participation in this subject.
- The fast-forward (⏩) symbol indicates that there is an option for acceleration in this subject.

ACCELERATION:

The Acceleration Program allows high-achieving and highly motivated students in Year 10 (Units 1 and 2) and Year 11 (Units 3 and 4) to undertake a VCE subject ahead of the usual sequence.

This process is open to students by invitation only with applicants assessed against set criteria to determine their readiness. Consideration includes academic performance, cognitive ability, motivation, social-emotional maturity, and genuine interest in the subject.

Students may only accelerate in one subject and, where relevant — such as Music — an audition may be required.

Applications are reviewed in consultation with subject teachers, Learning Area Leaders, House Leaders, and the Learning Team before offers are made.

Students approved for acceleration in Year 10 will need to reapply for consideration in Year 11.

Throughout this guide, subjects offered for acceleration are identified by the double fast-forward symbol.

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The availability of all subjects is subject to operational constraints, including student enrolments and staffing.

PATHWAYS

JUNIOR COURSES YEARS 7-9

SENIOR COURSE YEAR 10

SENIOR PATHWAYS YEARS 11 and 12

VICTORIAN PATHWAYS CERTIFICATE [VPC]

The VPC is a flexible certificate for students in Years 11 and/or 12 who need a more individualised program.

The VPC is:

- Based on applied learning principles.
- A standalone foundation Course.
- A pathway to Entry Level VET courses.
- Standards based with school-based assessment.

The VPC is not a VCE equivalent, it has no external assessments or exams, and students do not receive an ATAR.

PATHWAY TO:

VCE, VCE VM, or Vocational Education and Training (VET) certificates.

LIFE TO THE FULL

VICTORIAN CERTIFICATE OF EDUCATION [VCE]

The VCE is a senior secondary certificate designed to be completed by students over a minimum of two years.

Units 1 and 2 can be completed as single units.
Units 3 and 4 are designed to be taken as a sequence.

VCE [SCORED OR UNSCORED]

Students study units based on interest and pathways prerequisites. Approved VET courses or VM subjects are an option. Standards based assessments and/or external examinations and ATAR (if scored).

VCE VOCATIONAL MAJOR

Students study units with a vocational and applied learning focus. A VET course must be included. Students may choose a general VCE study within their VM program.

Standards based assessment, no external exams, no ATAR.

VOCATIONAL EDUCATION AND TRAINING [VET]

VET courses can be scored or unscored. A VET course is compulsory if undertaking a VCE VM pathway.

- Training
- Structured Workplace Learning
- Traineeships/SBATS

- TAFE Certificate II, III, IV
- Diploma
- Advanced Diploma

- Employment
- Apprenticeships
- Traineeships

- Higher Education
- University



YEAR 10 PROGRAM

Year 10 provides students with the opportunity to build the independence, responsibility, and study habits needed for success in senior pathways such as VCE, VCE Vocational Major (VM), VET, and future post-school options.

Through a broad and engaging curriculum, the General Year 10 Program supports students and families in making informed decisions about subject selection and future pathways. Subjects that offer VCE acceleration opportunities are indicated by the fast-forward symbol (▶▶).

Students in Year 10 study seven units each semester. In line with the Victorian Curriculum, students complete core studies from a range of learning domains.

Religious Education (Compulsory)

English

- 10 English
- 10 English as an Additional Language (EAL) -by invitation
- VCE English Literature ▶▶

Mathematics

- 10 General Mathematics
- 10 Advanced Mathematics (by application)
- VCE General Mathematics ▶▶
- VCE Foundation Mathematics ▶▶

Science

- 10 Science
- VCE Biology ▶▶
- VCE Psychology ▶▶

Humanities

- 10 Humanities
- VCE Business Management ▶▶

Health and Physical Education

- 10 Health and Physical Education
- 10 Physical Education
- 10 Health and Human Development
- VCE Health and Human Development ▶▶
- VCE VET Sport and Recreation ▶▶

Technologies

- 10 Digital Technologies
- 10 Food Studies (NDC only)
- 10 Product Design and Technology – Wood
- 10 Systems Engineering

The Arts

- 10 Visual Arts
- 10 Drama
- 10 Visual Communication and Design
- 10 Media
- 10 Music
- VCE VET Music Performance ▶▶

Languages

- 10 Italian
- 10 Japanese
- 10 Spanish

The availability of all subjects is subject to operational constraints, including student enrolments and staffing.

YEAR 10 FULL YEAR CORE SUBJECTS

All students undertake a full year of Religious Education and a Mathematics subject.

Religious Education

Explore how the Gospels, Catholic beliefs, and world religions shape personal faith, ethics, and social justice. Includes reflection, group work, and presentations.

General Mathematics

Prepares students for Foundation, General and Maths Methods. Covering algebra, linear, networks, data analysis, CAS calculator use and real-world problem solving.

Advanced Maths (by application)

Ideal for students who excel in mathematics and aim to study Methods and/or Specialist maths. Includes algebra, graphing, probability and CAS calculator use. Entry test required.

YEAR 10 SEMESTER 1 CORE SUBJECTS

All students undertake the following core subjects during Semester One.

English

Focus on reading, writing and analysing a variety of texts, including a novel, a film and issues in the media. Build strong literacy skills for VCE through speeches, essays, and creative writing.

English as an Additional Language (by invitation)

Supports students who speak a language other than English at home. Focuses on building confidence in speaking, reading, writing, and understanding English.

Science

Explore genetics, evolution, chemical reactions, Newton's laws of motion, and the formation of stars and galaxies in space. Hands-on experiments and investigations build core science and thinking skills

Humanities

Explore history, geography, civics and economics through WWII, civil rights, environmental issues and business. Learn how people and places shape the world today.

Health and Physical Education

Learn a variety of coaching methods to improve performance in sport, and harm minimisation strategies to protect the health of young people. Mix theory with physical activity and performance analysis. In Semester 2, students choose between Physical Education and Health and Human Development.

The availability of all subjects is subject to operational constraints, including student enrolments and staffing.

YEAR 10 SEMESTER 2 CORE ELECTIVES

All students will choose one elective from each of the following core learning areas for Semester Two.

English

English

Analyse films, speeches, articles and novels to uncover how they are built to make audiences think, feel and react. Evaluate persuasive techniques used by advertisers, politicians and speakers, then research a real issue and deliver a speech that gets people listening. Craft original creative and reflective writing, developing a distinct voice and making bold, deliberate choices as a writer.

English Language

Analyse how language works from the ground up and explore how it is shaped by context, culture and identity. Investigate how people acquire language as children and why accents, slang and dialects vary across Australia and the world. Evaluate real spoken and written texts, from casual conversation to public debate, to understand how language builds identity, reflects values and creates connection between people. For anyone fascinated by how humans communicate, why people speak differently depending on who they are with, and keen to explore language as a science, this is the subject to take.

English Literature

Analyse a range of texts and a selection of poetry to uncover how purpose, audience and context shape meaning, and how language, structure and literary devices create powerful effects on readers. Interpret and compare texts, building evidence-based arguments and justifying different readings through lively Socratic seminars and discussion. Create an original poetry collection with commentary and craft an analytical essay through a social lens, reflecting on how culture, history and personal experience shape the way literature is read.

Science

Biology

Explore genetics and evolution by examining DNA inheritance, Punnett squares, pedigree analysis, and natural selection within changing environments through hands-on experiments and investigations that build core scientific thinking skills.

Chemistry

Investigate quantitative chemistry through ionic formula writing, equation balancing, precipitation reactions, and metal reactivity series through hands-on experiments and investigations that build core scientific thinking skills.

Physics

Master physics through kinematics calculations, unit conversions, motion graphing, dynamics, and Newton's laws through hands-on experiments and investigations that build core scientific thinking skills.

Psychology

Learn the foundations of psychology by analysing research methods, ethical guidelines, cognitive experiments like the Stroop effect, and the nervous system through hands-on experiments and investigations that build core scientific thinking skills.

Earth Sciences

Examine environmental science by exploring Earth's four spheres, biogeochemical cycles, ecosystem biodiversity, population dynamics, and climate change impacts through hands-on experiments and investigations that build core scientific thinking skills.

Humanities

Business and Economics

Examine how economies operate and how economic decisions impact individuals, businesses and governments. Students will investigate topics such as income inequality, GDP, inflation and economic living standards while developing an understanding of Australia's economic future.

Accounting and Finance

Turn an idea into a reality by creating, managing and financing your own business. Students will develop practical financial skills while learning about budgeting, accounting, entrepreneurship and business planning.

History and Geography

Discover how major events and movements have shaped societies across Asia and explore the fight for rights and equality through significant civil rights movements. Students will also investigate what makes places liveable and examine the challenges and opportunities facing communities in Australia and around the world.

Politics and Legal Studies

Explore how Australia's legal system works and compare it with legal systems from around the world. Students will investigate how laws are made, interpreted and enforced, while examining contemporary legal and political issues.

Health and Physical Education

Health Development

Learn about the dimensions of health and wellbeing and how the health of Australia is measured using a variety of health status indicators. Students also learn about the effects of different nutrients and how social factors influence our diet.

Physical Education

Learn how the body reacts during exercise and how to optimise performance, and a variety of fitness components that make up the body's ability to complete different exercises.

The availability of all subjects is subject to operational constraints, including student enrolments and staffing.

YEAR 10 ELECTIVE SUBJECTS

Students will choose one elective each semester from Design and Technologies, The Arts, and Languages*.

Arts

Visual Art

Experiment with different art styles and media like printmaking, sculpture, and pop art. Build creative and analytical skills through practical tasks and final artworks.

Drama

Learn about different theatre styles and develop your acting, performance, and group collaboration skills. A creative subject focused on practical experience.

Visual Communication and Design

Learn how to use design elements and digital tools to communicate visually. Create drawings and design solutions using the design process.

Media

Explore photography, film, podcasting, and media production. Learn how media influences audiences while creating your own projects.

Music

Build skills in performance, listening, and music creation. No instrument required, but playing or singing experience is helpful. Covers a range of styles and music theory.

Design and Technologies

Digital Technologies

Develop skills in coding, computational thinking and problem-solving by designing solutions to real-world challenges. Using programming tools such as Python and databases like SQL, students will create, test and refine digital systems. Explore how computer networks operate, examine key principles of cybersecurity, and consider the ethical responsibilities of technology users and developers in a connected world.

Food Studies (NDC only)

Design and prepare nutritious, delicious meals while developing essential kitchen skills and safe food practices. Explore nutrition and healthy eating, and apply your knowledge through creative projects such as themed meal planning and innovative food design tasks.

Product Design and Technology - Wood

Apply design thinking to create practical, high-quality timber products using a range of tools and materials. Through hands-on workshop experience and digital 3D modelling. Students plan, prototype and refine designs while developing technical skills and craftsmanship.

Systems Engineering

Combine electronics and design in this hands-on subject. Build projects using wood, circuits, 3D modelling, and tools in the workshop.

Languages

*All Year 10 Language subjects are studied for the full year. If a Language is selected, it will be the student's elective for both semesters.

Italian

Build Italian language skills through speaking, reading, writing and cultural exploration. Topics include work, environment and Italian cinema.

Japanese

Grow Japanese vocabulary and grammar through conversation, media, and cultural topics like travel, manga, and homestays.

Spanish

Develop Spanish through reading, speaking, and cultural projects on festivals, travel, and everyday life in Spanish-speaking countries.

The availability of all subjects is subject to operational constraints, including student enrolments and staffing.



YEAR 10 ACCELERATED LEARNING

At Year 10, students enter the final stage of the Victorian Curriculum before transitioning into their senior secondary studies.

Some students may be invited to apply for acceleration into a VCE study. This option is suited to students who demonstrate strong academic performance, emotional maturity, cognitive readiness, and a genuine interest in extending their learning in a specific subject area.

- Year 10 students who receive an invitation to accelerate may undertake one VCE Unit 1 and 2 subject.
- The accelerated subject replaces the equivalent subject from the same domain area (Ex. Business Management would replace Year 10 Humanities and Humanities Elective).
- Students who successfully complete their accelerated Unit 1 and 2 subject in Year 10 will complete Units 3 and 4 for the same subject in Year 11.

Accelerated Learning for VCE is by invitation.

Invitations are based on a variety of metrics to ensure students are set up for success in their VCE studies. These metrics may include: previous Assessments/Examinations, Learning Behaviours and Standardised Testing.

The fast-forward (▶▶) symbol indicates that there is an option for acceleration in this subject.

The availability of all subjects is subject to operational constraints, including student enrolments and staffing.



VICTORIAN CERTIFICATE OF EDUCATION

The Victorian Certificate of Education (VCE) is a senior secondary certificate designed to be completed by students over a minimum of two years. Students have the opportunity to select individual course programs to establish a range of career pathways.

Emmanuel College students will undertake six Unit 1 and 2 sequences in Year 11, and five Unit 3 and 4 sequences in Year 12, or five Unit 1 and 2 sequences in Year 11 plus a Unit 3 and 4 accelerated subject, followed by five Unit 3 and 4 sequences in Year 12. Religious Education is a compulsory component of Years 11 and 12 and can be undertaken either as a formal VCE subject (Units 1 and 2 or Units 3 and 4) or as a school-based subject in year 12.

SATISFACTORY COMPLETION OF VCE

The minimum requirement is satisfactory completion of 16 units which must include:

- Three units from the English group (including English, English Language or Literature).
- At least three other sequences of Unit 3 and 4 studies other than English
- VCE subjects belong to “groups”. Please note the following in relation to groups and ATAR calculation: no more than two studies from the same group can count towards a student’s ATAR.

SELECTION INTO TERTIARY COURSES

Any student who is contemplating applying for a tertiary course should refer to the relevant publication ‘Victorian Tertiary Entrance Requirements’ to check for course pre-requisites before making their course selections.

SELECTING A COURSE AT YEAR 11

Students will be required to undertake:

- Twelve units of study: six units in Semester One and six units in Semester Two
- A minimum of two units of English and/or Literature and/ or English Language

SELECTING A COURSE AT YEAR 12

When considering your choice of subjects for Year 12, you will need to ensure that your choices satisfy:

- The requirements for the satisfactory completion of VCE.
 - Any pre-requisites set by Tertiary Institutions.
- In Year 12 students are expected to undertake five Unit 3 and 4 studies. Students wishing to reduce their study load must apply and produce evidence in writing of exceptional circumstances to the VCE Coordinator.

UNIT 3-4 ACCELERATION

A Year 11 student “accelerates” when they take a Unit 3-4 VCE subject in sequence in Year 11. This is by invitation only.

The availability of all subjects is subject to operational constraints, including student enrolments and staffing.



VOCATIONAL EDUCATION & TRAINING

Vocational Education and Training [VET] subjects provide hands-on, industry-recognised qualifications in areas like trades, hospitality, health, music, and business. VET programs contribute to the VCE or VCE VM and can offer scored or unscored outcomes. Students complete VET as part of their senior secondary certificate.

KEY NOTES

- VET programs often include Structured Workplace Learning (SWLR)
- Most VET programs contribute to VCE VM requirements and some to ATAR
- Attendance, behaviour, and commitment to external training providers is expected
- SBAT students must meet work and study hours for successful completion and are only available through an application process.
- Please consult with your VCE and Vocational Pathways Coordinator and Careers Practitioner to explore available offerings and how they align with your career goals.

Successful completion of VET can provide students with:

- a Certificate (full completion) or Statement of Attainment (partial completion) from an RTO or TAFE
- their VCE, VCE VM or VPC certificate issued by the VCAA
- ATAR contribution as one of students' primary subjects or as an increment
- A pathway into employment and/ or future VET training
- Workplace experience gained through Structured Workplace Learning (SWL)
- a Statement of Results issued by the VCAA outlining the Units of Competency complete.

The College offers a range of internal VCE VET courses, as listed in this handbook. Additional VCE VET courses may be available through our VET cluster partners. Details of these courses can be found in the 2027 Hobsons Bay VET Cluster Handbook, available on Compass.



VCE RELIGION AND SOCIETY

VCE Religion and Society explores how religion shapes personal identity, moral decision-making, social values, and cultural heritage across time. Students investigate how religious traditions respond to ethical questions, historical events, and challenges in modern society. The course fosters critical thinking, intercultural understanding, and reflection on life's big questions — such as “Why are we here?” and “How should we live?”

This subject is ideal for students interested in philosophy, ethics, culture, and how belief systems influence individuals and communities. Year 11 students choose between Unit 1 and 2 as a sequence or Unit 2 across the whole year.

YEAR 11

Unit 1: The Role of Religion in Society

- Explore the purpose of religion in human life and culture
- Study how religion has shaped identity, culture, and history
- Investigate the relationship between religion and society over time
- Analyse the presence and influence of religion in Australia, including Indigenous spiritualities

Unit 2 – Religion and Ethics - compulsory

- Learn how people and traditions decide what is “right” and “wrong”
- Compare different methods of ethical decision-making (e.g. virtue ethics, utilitarianism)
- Study how at least two religious traditions form moral perspectives
- Analyse public ethical debates on real-world issues (e.g. human rights, bioethics, environmental care)

- Year 11 students choose between Unit 1 and 2 as a sequence (9 periods per cycle) OR Unit 2 across the whole year (4 periods per cycle).

YEAR 12

Unit 3 – The Search for Meaning

- Investigate how religions respond to life's big questions (e.g. creation, suffering, death)
- Examine how beliefs are expressed through rituals, texts, symbols, and teachings
- Explore how significant life experiences can deepen or challenge religious faith
- Focus on one selected religion (e.g. Roman Catholicism)

Unit 4 – Religion, Challenge and Change

- Study how religious traditions have responded to major challenges in theology, ethics, and continued existence
- Analyse different stances (e.g. reform, resistance, or adaptation) taken by religious groups
- Explore a major issue where religion and society interact — and evaluate the impact of that interaction
- Reflect on how religion evolves in response to historical, social, or internal pressure



VCE ENGLISH

VCE English helps students develop strong skills in reading, writing, speaking and listening. Students learn how to analyse and create a range of texts, from stories and articles to speeches and essays. The study encourages both creative and critical thinking, helping students understand how language is used to communicate, persuade, and express ideas.

VCE English is suitable for most students and is one of the subjects that satisfies the English requirement for VCE completion and ATAR calculation.

YEAR 11

Unit 1: Reading and Exploring Texts and Crafting Texts

- Explore different types of texts (novels, films, plays)
- Build skills in reading for meaning and making personal connections
- Create original writing inspired by studied mentor texts

Unit 2: Exploring Argument

- Analyse persuasive language in current issues (print, digital, visual)
- Learn how authors use argument and language to influence an audience
- Write your own persuasive texts and deliver oral presentations

YEAR 12

Unit 3: Reading and Creating Texts

- Study two set texts and analyse how they explore themes and values
- Create written responses and your own original compositions
- Learn to explain your writing choices and strategies

Unit 4: Reading and Responding to Texts and Analysing Argument

- Study set texts and analyse how they explore ideas, themes and values.
- Study media texts on current issues and analyse how they persuade
- Write a point-of-view piece in response to an issue



VCE ENGLISH LANGUAGE

VCE English Language is the study of how English works. Informed by linguistics, it focuses on how people use language to communicate, create identity, show power, and build social connection. Students study how English changes over time and how language varies between people, places and situations.

This subject is ideal for students interested in analysis, logic, and structured writing. It also contributes to the VCE English requirement.

YEAR 11

Unit 1: Language and Communication

- Learn how language is structured and used in different contexts
- Explore how we acquire language as children
- Investigate how meaning is shaped by social and cultural settings

Unit 2: Language Change

- Study the history and evolution of English
- Explore how and why language changes over time
- Investigate how English has spread around the world

YEAR 12

Unit 3: Language Variation and Social Purpose

- Study how language varies in different settings — formal and informal
- Analyse the features of written and spoken English in Australia
- Explore how language is used to build relationships and express values

Unit 4: Language Variation and Identity

- Explore how language expresses who we are — individually and as part of a group
- Analyse how identity is shaped through accent, word choice and social context
- Investigate issues around attitudes to language and language change



VCE LITERATURE

VCE Literature is the study of classic and contemporary written works, including novels, plays, poetry, and more. Students read deeply, interpret texts creatively and analytically, and explore how language is used to express ideas about people, culture and society.

Literature is ideal for students who enjoy reading and writing and want to explore complex ideas and multiple interpretations.

YEAR 11

Unit 1: Reading Practices

- Consider how literary form, features and language contribute to meaning.
- The degree to which points of view, experiences and contexts shape interpretations.
- Texts based on personal experience.
- Examine social or historical context in a text.
- Explore texts from a selected movement or genre.

Unit 2: Voices of Country

- Explore voices and perspectives from different cultures and time periods
- Compare texts and how they interact with each other
- Read literature by Aboriginal and Torres Strait Islander authors

YEAR 12

Unit 3: Adaptations and Transformations

- Explore how texts are shaped by form and genre and contribute to meaning
- Transform a text creatively and explain your interpretation
- Views and values presented in a set text using literary theory
- Analyse how ideas, views and values are presented in a text and the ways these are endorsed, challenged and/or marginalised

Unit 4: AOS 1 Creative Responses to Text and Close Analysis

- Respond creatively and critically to a set text
- How different critical readings shape interpretation
- Develop and defend your own reading of a text using evidence and analysis



VCE FOUNDATION MATHEMATICS

Foundation Mathematics Units 1–4 support the continued development of practical numeracy skills for every day, personal, work and study contexts. This subject is designed for students who want to improve their confidence in maths, especially in real-life problem solving.

Foundation Mathematics does contribute to VCE completion and the ATAR.

YEAR 11

Units 1 and 2: Practical Numeracy

- Develop confidence with number, money, time, and measurement
- Use data to make decisions and solve problems in real-world contexts
- Learn strategies for mental estimation and calculator use

Areas of Study

- Number and proportional reasoning
- Financial mathematics
- Measurement and geometry
- Statistics and data

YEAR 12

Units 3 and 4: Everyday Applications

- Solve problems related to budgeting, shopping, planning travel, and interpreting data
- Apply maths to real-life situations involving work, health, and community contexts
- Use technology (e.g. calculators, spreadsheets) to support your work

Areas of Study

- Number and algebra
- Financial mathematics
- Measurement and geometry
- Statistics and data analysis



VCE GENERAL MATHEMATICS

General Mathematics Units 1–4 focus on practical, non-calculus areas of mathematics. The subject is designed for students who want to continue maths for ATAR purposes and future study, particularly in business, health, or humanities-based courses.

It provides a broad, applied understanding of data, finance, networks, and modelling.

YEAR 11

Units 1 and 2: Foundation for Applied Maths

- Build skills in data analysis, financial maths, networks, and graphs
- Explore patterns and relationships between variables
- Use a combination of written methods, technology, and modelling tasks

Areas of Study

- Data and statistics
- Financial mathematics
- Linear modelling
- Matrices and networks
- Measurement and geometry
- Variation and graphs

YEAR 12

Units 3 and 4: Mathematical Modelling and Decision-Making

- Focus on interpreting and modelling real-world problems
- Use recursion, matrices and networks to represent change and relationships
- Analyse trends, make predictions, and solve applied problems

Areas of Study

- Data analysis
- Recursion and financial modelling
- Matrices
- Networks



VCE MATHEMATICAL METHODS

Mathematical Methods Units 1–4 are designed for students with strong algebraic and logical thinking skills. It introduces calculus, functions, probability, and algebraic reasoning – providing a foundation for further study in science, engineering, economics, and medicine.

It is essential for students planning to study university courses with a mathematical focus.

YEAR 11

Units 1 and 2: Introduction to Functions and Calculus

- Investigate linear, quadratic, exponential and other functions
- Learn key algebra skills and solve equations
- Begin exploring derivatives and basic calculus

Areas of Study

- Functions and graphs
- Algebra
- Calculus (introductory)
- Probability

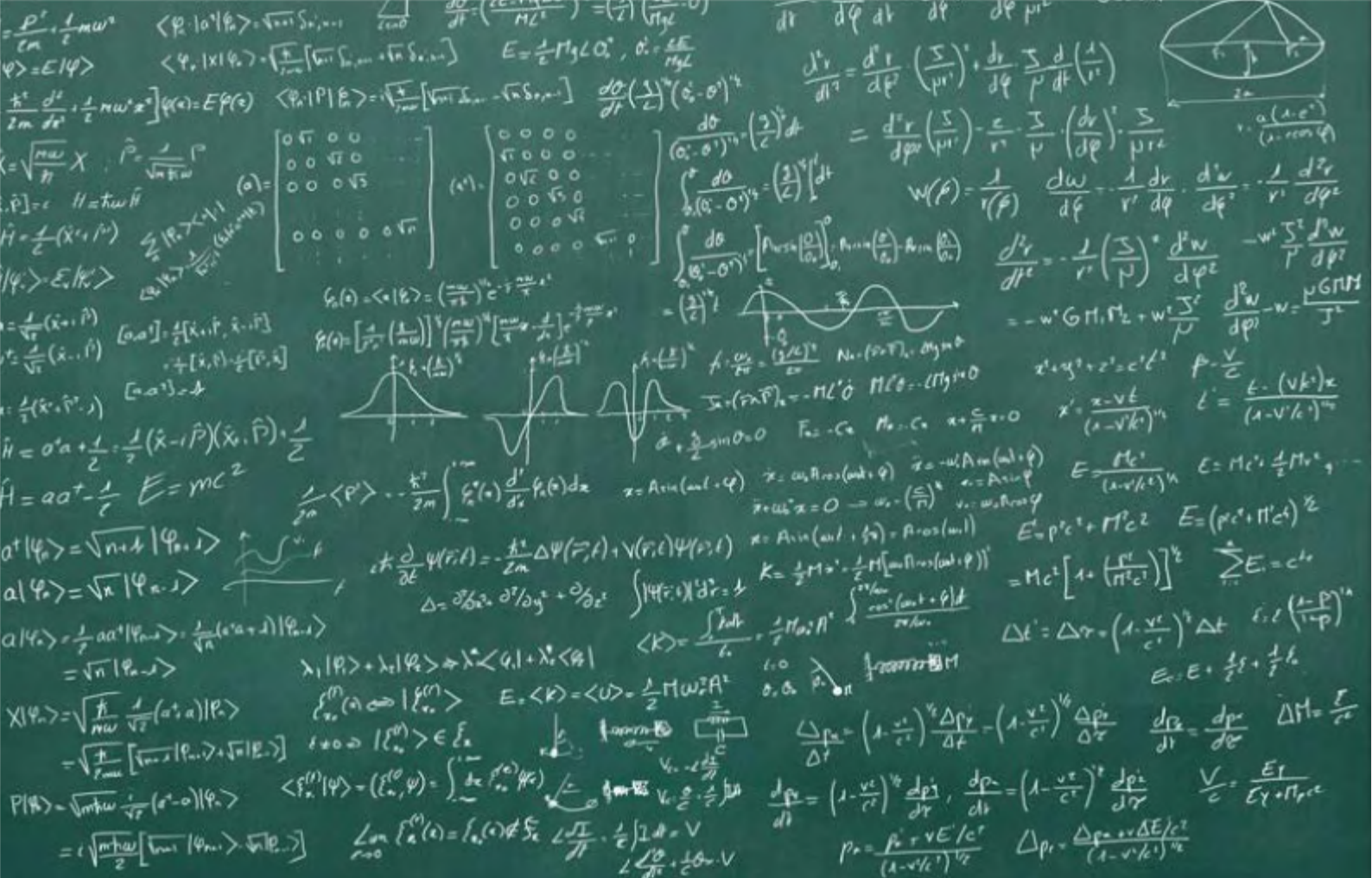
YEAR 12

Units 3 and 4: Advanced Functions and Calculus

- Extend understanding of functions to include trigonometric and logarithmic forms
- Apply derivatives and integrals to solve real-world and abstract problems
- Explore advanced probability, including discrete and continuous distributions

Areas of Study

- Functions and graphs
- Algebra
- Calculus (differentiation and integration)
- Probability and statistics



VCE SPECIALIST MATHEMATICS

Specialist Mathematics Units 1–4 are intended for students with strong mathematical ability who enjoy abstract reasoning and problem-solving. It is studied alongside (or after) Mathematical Methods and includes advanced topics like vectors, complex numbers, proofs, and statistical inference.

It supports students pursuing careers in STEM, engineering, data science, and mathematics.

YEAR 11

Units 1 and 2: Mathematical Reasoning and Structure

- Explore the logic and structure behind mathematics
- Study advanced algebra, trigonometry, vectors, and proofs
- Use technology and by-hand methods to solve complex problems

Areas of Study

- Algebra and structure
- Arithmetic and number systems
- Discrete mathematics (matrices, networks)
- Measurement and geometry
- Vectors
- Functions and graphs
- Probability

YEAR 12

Units 3 and 4: Advanced Mathematical Applications

- Solve real-world and theoretical problems using abstract mathematical concepts
- Apply vector calculus, kinematics, and complex numbers
- Analyse data and conduct hypothesis testing

Areas of Study

- Functions and graphs
- Calculus and differential equations
- Vectors and kinematics
- Complex numbers
- Probability and statistical inference
- Logic and proof



VCE BIOLOGY

VCE Biology explores the structure and function of living things, from cells to ecosystems. Students investigate how organisms survive, reproduce, adapt and respond to change. The course combines scientific theory with practical investigations and real-world applications in health, biotechnology and the environment.

YEAR 11

Unit 1: How Do Organisms Regulate Functions?

- Investigate the structure and function of cells
- Explore how organisms maintain stable internal conditions
- Examine plant and animal systems
- Conduct practical investigations and analyse scientific data

Unit 2: How Does Inheritance Impact on Diversity?

- Explore how genetic information is inherited and expressed
- Investigate inheritance patterns and genetic variation
- Examine reproduction, adaptations and biodiversity
- Consider ethical issues related to genetics and biotechnology

YEAR 12

Unit 3: How Do Cells Maintain Life?

- Investigate the role of DNA, RNA and proteins in cellular processes
- Explore how cells regulate and coordinate their activities
- Study photosynthesis and cellular respiration
- Examine applications of molecular biology and biotechnology

Unit 4: How Does Life Change and Respond to Challenges?

- Explore immunity, vaccination and disease prevention
- Investigate evolution and evidence for common ancestry
- Examine how species change over time in response to environmental pressures
- Complete a scientific investigation and communicate findings



VCE CHEMISTRY

VVCE Chemistry explores the composition, properties and interactions of matter through practical investigations and scientific inquiry. Students develop analytical, problem-solving and laboratory skills that support pathways into science, engineering, health and technology.

YEAR 11

Unit 1: How Can the Diversity of Materials Be Explained?

- Investigate the structure and properties of metals, ionic compounds and polymers
- Explore the composition, structure and uses of organic compounds
- Examine the environmental impacts of material production and use
- Conduct practical investigations to analyse and compare materials

Unit 2: How Do Chemical Reactions Shape the Natural World?

- Investigate the structure and properties of metals, ionic compounds and polymers
- Explore the composition, structure and uses of organic compounds
- Examine the environmental impacts of material production and use
- Conduct practical investigations to analyse and compare materials

YEAR 12

Unit 3: How Can Design and Innovation Optimise Chemical Processes?

- Compare energy sources and evaluate the use of fuels
- Investigate reaction rates, equilibrium and energy transformations
- Explore electrochemical processes including galvanic and electrolytic cells
- Examine how chemistry contributes to sustainable industrial practices

Unit 4: How Are Carbon-Based Compounds Designed for Purpose?

- Investigate the structure, properties and reactions of organic compounds
- Explore the design and synthesis of carbon-based molecules
- Use analytical techniques such as chromatography and spectroscopy
- Conduct a scientific investigation and communicate findings



VCE PHYSICS

VCE Physics explores the fundamental principles that govern the natural world, from the motion of everyday objects to the behaviour of matter, energy and light. Students develop problem-solving, analytical and practical skills through scientific investigations and real-world applications in areas such as energy, engineering, technology and space science.

YEAR 11

Unit 1: How Is Energy Useful to Society?

- Investigate how energy is transformed and transferred in physical systems
- Explore light, thermal energy, nuclear processes and electricity
- Examine the role of energy in everyday life and modern technologies
- Conduct practical investigations and analyse experimental data

Unit 2: How Does Physics Help Us Understand the World?

- Investigate motion, forces and energy in mechanical systems
- Explore how physics explains phenomena observed in everyday life
- Apply physics concepts to technologies and engineered systems
- Design and conduct a scientific investigation

YEAR 12

Unit 3: How Do Fields Explain Motion and Electricity?

- Investigate gravitational, electric and magnetic fields
- Apply Newton's laws to analyse motion in a range of contexts
- Explore electricity generation, transmission and use
- Use mathematical models to explain and predict physical phenomena

Unit 4: How Have Creative Ideas Changed Thinking in Physics?

- Explore the development of quantum models and the nature of light and matter
- Investigate wave-particle duality and its applications
- Examine the role of scientific evidence in shaping modern theories
- Conduct a scientific investigation and communicate findings



VCE PSYCHOLOGY

VCE Psychology explores the human mind and behaviour, including how people think, feel and act. Students investigate biological, cognitive and social influences on behaviour and mental processes. The subject develops scientific thinking, research skills and ethical understanding through experiments, data analysis and real-world applications in mental health and wellbeing.

YEAR 11

Unit 1: How Are Behaviour and Mental Processes Shaped?

- Investigate brain function, development and neural processes
- Explore how learning and experience shape behaviour and cognition
- Examine the interaction between heredity and environment
- Analyse psychological research methods and ethical considerations

Unit 2: What Influences Behaviour and Mental Processes?

- Investigate social cognition, perception and attitudes
- Explore group behaviour including conformity, obedience and prejudice
- Examine mental health and factors influencing psychological wellbeing
- Design and conduct psychological investigations

YEAR 12

Unit 3: How Does Experience Affect Behaviour and Mental Processes?

- Investigate the structure and function of the nervous system
- Explore learning and memory processes and models
- Examine how stress affects psychological and physiological functioning
- Apply scientific models to explain behaviour and cognition

Unit 4: How Is Mental Wellbeing Supported and Maintained?

- Investigate mental health and factors influencing wellbeing
- Explore sleep and its role in psychological functioning
- Examine anxiety, phobias and treatments
- Evaluate interventions using the biopsychosocial model
- Design and evaluate a scientific investigation



VCE HISTORY

VCE History is the study of people, events and ideas that have shaped societies. Students investigate major changes in the past and how these changes continue to influence the present. They examine historical sources and interpretations to form their own evidence-based views about the past.

YEAR 11

Unit 1: Modern History – Change and Conflict

- Explore the aftermath of World War I and the lead-up to WWII
- Study social and political movements in Europe, the US or Asia
- Analyse change and continuity in societies between the wars

Unit 2: Changing World Order

- Investigate the nature and impact of the Cold War
- Study continuity and change to established social, economic, and political orders.
- Analyse the changing world.
- Orders and emerging threats.

YEAR 12

Unit 3: The American Revolution

- Examine events and conditions that lead to the Revolutionary War
- Study British management of the colonies and colonial responses
- Analyse the challenges faced by the new regime

Unit 4: The Chinese Revolution

- Explore key revolutionary figures and ideologies
- Analyse the fall of the Qing dynasty and rise of the Communist Party
- Study the changes and consequences of revolution in China



VCE LEGAL STUDIES

VCE Legal Studies explores the Australian legal system, its principles, and how laws are made, enforced, and changed. Students investigate civil and criminal law, the protection of rights, and key institutions such as courts and parliament. Legal Studies builds analytical, reasoning, and evaluative skills through case studies and legal scenarios.

YEAR 11

Unit 1: Guilt and Liability

- Understand the principles of criminal and civil law.
- Explore how laws are made and enforced.
- Apply legal reasoning to real-world and hypothetical cases.

Unit 2: Sanctions, Remedies and Rights

- Investigate sentencing, civil remedies, and dispute resolution.
- Explore the role of courts, tribunals, and alternative dispute resolution mechanisms.
- Examine how rights are protected in Australia and internationally.

YEAR 12

Unit 3: Rights and Justice

- Study the Victorian criminal and civil justice systems.
- Evaluate the ability of legal institutions to achieve justice.
- Explore reforms to improve fairness and access.

Unit 4: The People and the Law

- Investigate the role of the Constitution and the High Court.
- Examine how laws are made and changed.
- Analyse the relationship between parliament, the courts, and the people.



VCE POLITICS

VCE Global Politics examines power, conflict, cooperation and global issues. Students investigate the role of states, international organisations, and non-state actors in addressing problems such as climate change, human rights, terrorism, and war.

YEAR 11

Unit 1: Politics, Power and Political Actors

- Explore how governments operate and how political decisions are made
- Study political systems around the world
- Investigate a global political issue and the actors involved

Unit 2: Democracy – Stability and Change

- Study Australian democracy and threats to democratic principles
- Compare democracy in different countries
- Analyse populism, disinformation, and global movements for change

YEAR 12

Unit 3: Global Cooperation and Conflict

- Examine global issues (e.g. climate change, economic instability)
- Study humanitarian crises and international responses
- Analyse how cooperation and conflict affect global stability

Unit 4: Power in the Indo-Pacific

- Investigate power dynamics in the Indo-Pacific region
- Analyse the actions of global actors such as China, USA, Australia
- Explore Australia's role in regional cooperation and diplomacy



VCE BUSINESS MANAGEMENT

VCE Business Management explores how businesses are planned, started, and managed. Students learn how business decisions are made in areas like human resources, marketing, operations, and change management. They apply concepts to real-life business case studies and develop entrepreneurial thinking.

YEAR 11

Unit 1: Planning a Business

- Explore why people start businesses and what makes them succeed
- Learn about business structures, legal requirements, and the business environment
- Investigate market research, feasibility studies, and innovation

Unit 2: Establishing a Business

- Study staffing, financial management, and marketing strategies
- Learn how to manage business operations and policies
- Analyse business success factors and challenges

YEAR 12

Unit 3: Managing a Business

- Investigate operations, human resources, and workplace relations
- Study motivation, leadership, and corporate culture
- Learn how businesses achieve objectives through effective management

Unit 4: Transforming a Business

- Explore how businesses manage change
- Study tools such as Lewin's Force Field Analysis and Porter's Strategies
- Evaluate the role of leadership and corporate social responsibility in change



VCE ACCOUNTING

VCE Accounting focuses on how financial information is recorded, reported, and used to make decisions in a small business context. Students use both manual and digital systems to track business performance and recommend improvements.

YEAR 11

Unit 1: Role of Accounting in Business

- Understand accounting principles and how businesses operate
- Record transactions and prepare simple financial reports
- Analyse profitability and suggest strategies for success

Unit 2: Accounting for a Trading Business

- Track inventory, accounts receivable/payable, and non-current assets
- Use spreadsheets and accounting software
- Prepare budgets and evaluate business performance

YEAR 12

Unit 3: Financial Accounting for a Trading Business

- Use double-entry accounting and accrual reporting
- Prepare financial reports and assess cash and profit
- Analyse the impact of decisions on business outcomes

Unit 4: Recording, Reporting, Budgeting and Decision-Making

- Apply adjustments for depreciation and balance day items
- Prepare and interpret budgets and variance reports
- Make informed decisions using financial and non-financial data



VCE ECONOMICS

VCE Economics studies how individuals, businesses, and governments make decisions about resources. Students explore economic issues like inflation, unemployment, and sustainability, and how policies affect living standards in Australia and globally.

YEAR 11

Unit 1: Behaviour of Consumers and Businesses

- Explore how people make choices and how markets work
- Analyse consumer behaviour, pricing, and competition
- Investigate the role of government in managing economic outcomes

Unit 2: Contemporary Economic Issues

- Study economic challenges such as environmental sustainability and inequality
- Explore how governments manage trade-offs in decision-making
- Use real-world examples to evaluate economic responses

YEAR 12

Unit 3: Australia's Economic Prosperity

- Understand aggregate demand and supply
- Explore the role of markets in allocating resources
- Study the impact of global trade and policy decisions

Unit 4: Managing the Economy

- Evaluate the effectiveness of budgetary, monetary, and supply-side policies
- Analyse how governments influence economic growth, employment, and equity
- Apply economic models to real-world data and scenarios



VCE VET BUSINESS

BSB20120 Certificate II in Workplace Skills and BSB30120 Certificate III in Business (partial or full completion)

The VCE VET Business program provides students with the practical skills and knowledge required to work effectively in modern business environments. Students develop communication, teamwork, digital technology and organisational skills while gaining an understanding of contemporary workplace expectations through authentic business tasks.

This course is ideal for students interested in careers in business, administration, customer service, finance, retail or human resources. Emmanuel College delivers this VCE VET program in partnership with IVET Institute (RTO 40548).

PROGRAM HIGHLIGHTS

- Complete Certificate II in Workplace Skills and progress towards Certificate III in Business
- Develop workplace communication, teamwork and customer service skills
- Create professional business documents, presentations and digital resources
- Build organisational, planning and problem-solving skills
- Learn workplace health and safety, sustainability and inclusive work practices
- Gain practical skills valued across a wide range of industries

Please note, this course is only offered at our NDC campus.

YEAR 11

Unit 1 and 2 Overview (Year One)

- Year One focuses on developing the essential skills required in today's workplace.
- Build confidence in communication, teamwork, digital technologies and workplace organisation while completing the Certificate II in Workplace Skills qualification.

YEAR 12

Unit 3 and 4 Overview (Year Two)

Extend students' business knowledge through the Certificate III in Business.

Strengthen skills in business communication, workplace technology, critical thinking, customer service and professional workplace practices in preparation for employment or further study.



VCE ART MAKING AND EXHIBITING

Art Making and Exhibiting explores how artists communicate ideas through their art, and how artworks are prepared and presented in exhibitions. Students create, refine, and display their own artworks while analysing the practices of artists from different cultures and times.

YEAR 12

Unit 1: Explore, expand and investigate

- Experiment with a range of materials, techniques and processes across different art forms.
- Investigate the properties and safe handling of materials and their evolution in historical and contemporary art practices.
- Document exploration and idea development in a Visual Arts journal through visual and written formats.

Unit 2: Understand, develop and resolve

- Develop and refine personal ideas through research and experimentation.
- Plan and produce at least one finished artwork.
- Explore exhibition practices and analyse how artworks are selected and displayed.

YEAR 12

Unit 3: Collect, extend and connect

- Engage in sustained art making using personal ideas, experimentation and research.
- Record the creative process in a Visual Arts journal.
- Investigate artists, artworks and exhibition practices to inform art making.

Unit 4: Consolidate, present and conserve

- Refine and resolve artworks from Unit 3, demonstrating technical skill and aesthetic development.
- Plan the presentation of, and reflect on, final artworks.
- Investigate exhibition design, conservation and audience engagement.



VCE DRAMA

VCE Drama focuses on the creation and performance of devised works, emphasizing the exploration of dramatic elements, expressive skills, and performance styles. Students engage in both solo and ensemble performances, utilising play-making techniques to develop original pieces that convey meaning to an audience. The study fosters creativity, collaboration, and critical thinking.

YEAR 11

Unit 1: Introducing Performance Styles and Conventions

- Explore a range of performance styles and their conventions.
- Devise and present a solo and/or ensemble performance.
- Use Play-making techniques to portray characters and situations.
- Reflect on the processes used in performance-making.

Unit 2: Contemporary Drama Practices and Australian Identity

- Investigate contemporary drama practices within the context of Australian identity.
- Create and present a performance based on aspects of Australian identity.
- Analyse and evaluate your own work and a professional Australian performance using drama terminology.

YEAR 12

Unit 3: Devised Ensemble Performance

- Collaboratively create and present an original ensemble performance.
- Apply expressive skills, dramatic elements and performance skills to communicate meaning.
- Document the creative process and evaluate the development and performance of your ensemble and a professional performance.

Unit 4: Devised Solo Performance

- Research, develop and present a solo performance based on a prescribed structure using non-realistic styles.
- Explore transformation of character, time, and place to convey meaning.
- Reflect on and evaluate the processes and performance of the solo work.



VCE MEDIA

VCE Media examines how media is created and consumed in our digital world. Students explore film, TV, social media, video games and more. They create their own media productions and analyse how media texts shape meaning and influence audiences.

YEAR 11

Unit 1: Media Forms, Representations and Australian stories

- Study how people and ideas are represented in media
- Analyse Australian media narratives
- Apply media production processes to create work

Unit 2: Narratives across media forms

- Create a media production using a chosen form (e.g. video, podcast, animation)
- Learn about codes and conventions
- Investigate how narratives are constructed and adapted across different media forms for diverse audiences.

YEAR 12

Unit 3: Media Narratives and Pre-production

- Analyse film and media texts through narrative structures
- Investigate media style and audience response
- Develop and document plans for a major production

Unit 4: Media Production; Agency and Control in and of the Media

- Produce, refine and evaluate your media product based on Unit 3 pre-production plans.
- Investigate the relationship between media and audiences, including emerging challenges in the media landscape.
- Analyse how media influences individuals and society



VCE VISUAL COMMUNICATION DESIGN

Visual Communication Design focuses on how designers communicate messages through images, layout, and typography. Students create designs for real-world applications like advertising, packaging, and architecture using both manual and digital techniques.

YEAR 11

Unit 1: Finding, reframing and resolving design problems

- Apply drawing methods and the VCD design process.
- Explore visual language, including typography, imagery and layout.
- Identify, investigate and respond to design problems for specific users and purposes.

Unit 2: Design contexts and connections

- Investigate how designers respond to social, cultural and environmental contexts.
- Use contemporary digital and manual design methods.
- Analyse professional design practices and create design responses informed by research.

YEAR 12

Unit 3: Design Thinking and Practice

- Apply design thinking to develop solutions to design problems.
- Explore and use visual language to communicate ideas effectively.
- Investigate professional design practice and the role of design in society.

Unit 4: Delivering design solutions

- Develop, refine and present final design solutions.
- Justify and evaluate design decisions using feedback and evidence.
- Demonstrate how visual communication addresses the needs of intended users and purposes.



VCE VET MUSIC (PERFORMANCE)

CUA30920 Certificate III in Music (Performance)

VCE VET Music (Performance) provides students with the skills and knowledge to develop as contemporary musicians. Students work both independently and in groups to improve their instrumental or vocal performance, explore music styles, prepare for live gigs, and understand industry expectations across the duration of this 2-year course.

This course is ideal for students interested in careers in live performance, music teaching, sound production, or the broader music industry. For this VCE VET program, the College has partnered with COSAMP (RTO 41549).

PROGRAM HIGHLIGHTS

- Where a student meets the requirements of Units 1 and 2, a Statement of Attainment may be awarded. Where a student satisfactorily meets all requirements of the course in Units 3 and 4, a nationally recognised Certificate III in Music may be awarded.
- Build and refine instrumental or vocal technique
- Perform solo and as part of an ensemble
- Learn rehearsal planning, stagecraft, and performance etiquette
- Understand the music industry, health and safety for performers, and career pathways
- In Year One students will complete two short work placements assisting with College music productions and performances.

YEAR 11

Unit 1 and 2 Overview (Year One)

The VCE VET Music (Performance) course assists students in developing a wide range of competencies in varied work contexts of the music industry, as well as in environments that require skills in music performance, music creation or composition, sound production or music business. Year 1 of the CUA30920 Certificate III in Music qualification is suited to students with a broad interest in music who are keen to develop further skills in performance, lyric composition and songwriting, and develop industry knowledge.

YEAR 12

Unit 3 and 4 Overview (Year Two)

Year Two builds on a student's competency in varied work contexts of the music industry, and associated environments that require skills in music performance, music creation or composition, sound production or music business. Year 2 of the Certificate III in Music (Performance) is suited to students who are keen to develop further skills in improvisation, stagecraft and performance practices.

Recommended Prior Learning

Expertise within a musical instrument, including current private tuition

An audition is a requirement of entry



Practice, technical rehearsals and performance occasions along with compulsory work placement will have a time impact on a student's regular school program and out of school time.

Please note, this course is only offered at our NDC campus.



VCE APPLIED COMPUTING

VCE Applied Computing focuses on four interrelated disciplines in high and growing demand: data analytics, programming, emerging and innovative technologies, and cyber security. Students learn to apply computational, design and systems thinking to create digital solutions for real problems within local, national and global contexts.

YEAR 11

Unit 1: Applied Computing

Students develop knowledge and skills in two areas of study:

- Data analysis – examining qualitative and quantitative data, applying the Australian Privacy Principles, and using databases (with SQL), spreadsheets and data visualisations to communicate findings.
- Programming – using design tools and an object-oriented programming language (such as Python) to develop a working software solution from teacher-provided requirements, with appropriate testing and documentation.

Unit 2: Applied Computing

Students extend their skills through two areas of study:

- Innovative solutions – working collaboratively to design and develop a digital solution to a contemporary problem, using project management tools and considering ethical issues arising from emerging technologies and artificial intelligence.
- Cyber security – investigating networks, threats and mitigation strategies, including cryptographic techniques, the role of ethical hacking, and the legislation that governs data and information security.

YEAR 12

Unit 3: Software Development

- Use an Object-Oriented Programming (OOP) language to develop working software modules from teacher-provided requirements – i.e. analyse a real problem, plan a software solution, and produce detailed designs.

Unit 4: Software Development

- Develop, test and evaluate the software solution designed in Unit 3, then study cyber security elements (with a focus on secure software development practices, alongside contemporary controls and threat mitigation techniques).



VCE FOOD STUDIES

VCE Food Studies takes an interdisciplinary approach to the exploration of food. Students develop their food knowledge and practical skills, build pathways to health and wellbeing, and gain a framework for informed and confident food selection within today's complex landscape of choice. Practical activities (including cooking, sensory analysis, comparative testing, dietary analysis and responding to design briefs) are integral to the study.

YEAR 11

Unit 1: Food Origins

Students explore food from historical and cultural perspectives, investigating its origins and roles through time and across the world.

- **Area of Study 1** – Food around the world: examine the development of agriculture and global food supply, and critique the use of foods from earlier cuisines in contemporary recipes.
- **Area of Study 2** – Food in Australia: describe patterns of change in Australia's food industries and cultures, including foods indigenous to Australia and those introduced through migration.

Unit 2: Food Makers

Students investigate food systems in contemporary Australia, focusing on the safe provision of food to the consumer.

- **Area of Study 1** – Australia's food systems: analyse relationships, opportunities and challenges within Australia's food systems, and respond to a design brief by producing a food product that applies commercial principles.
- **Area of Study 2** – Food in the home: evaluate food products prepared in different settings for a range of dietary requirements, and create a food product that demonstrates potential adaptation for a commercial context.

YEAR 12

Unit 3: Food in Daily Life

Students explore the science and social context of everyday eating.

- Examine the science of food and appetite, the role of macro- and micro-nutrients, and the digestive process (supported by practical activities aligned with the Australian Dietary Guidelines).
- Analyse factors affecting food behaviours, including the social, cultural, psychological and emotional roles of food, and demonstrate practical skills through planning and preparing healthy meals for children and families.

Unit 4: Food Issues, Challenges and Futures

Students engage with contemporary debates and the future of food.

- Critically assess food information, fads, trends and diets, evaluating credibility and reliability against evidence-based recommendations.
- Investigate environmental, ethical and political debates concerning Australian and global food systems (including sustainability, food security, animal welfare and the use of agricultural resources) and propose informed responses.

Please note, this course is only offered at our NDC campus.



VCE PRODUCT DESIGN TECHNOLOGY

VCE Product Design and Technologies examines the role of the ethical and sustainable product designer. Students take on the role of designer-makers, applying a structured design process informed by the Double Diamond approach, and develop the practical, research, design and project management skills required for complex design tasks. Environmental, economic and social sustainability are integrated across all units, alongside Aboriginal and Torres Strait Islander knowledge, history and culture.

YEAR 11

Unit 1: Sustainable Product Redevelopment

Students focus on the analysis, modification and improvement of an existing product, considering sustainability throughout the product life cycle. They learn how designers identify need or opportunity, generate concepts using both hand and digital drawing, and produce a redeveloped product that is more sustainable than the original.

Unit 2: Positive Impacts for End Users

Students design and make products that respond to the needs and opportunities of identified end users, with a focus on inclusion, accessibility, usability and equity. They explore how culture and identity shape design decisions, and investigate how designers and end users are influenced by culture.

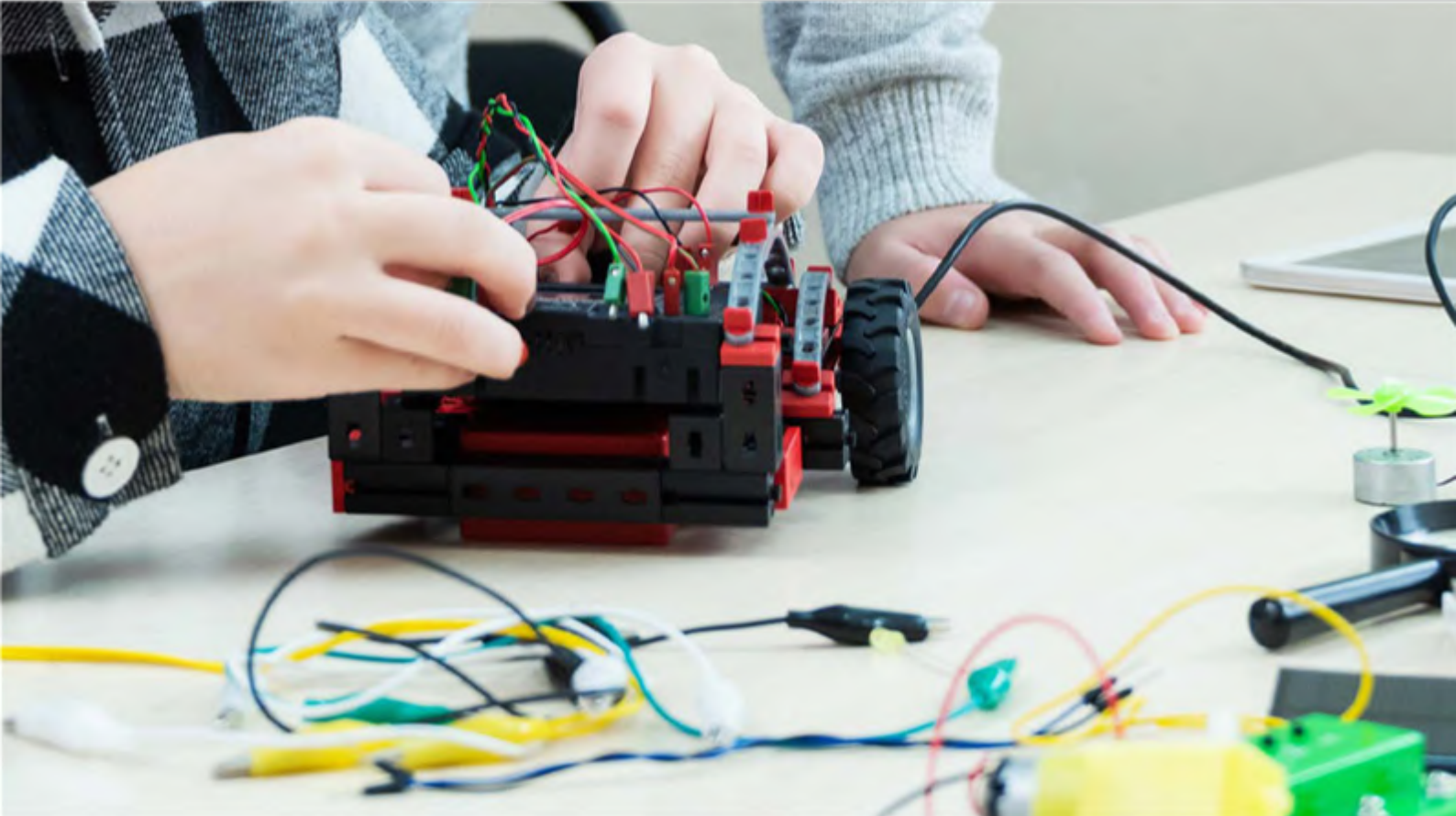
YEAR 12

Unit 3: Ethical Product Design and Development

Students assume the role of an ethical designer-maker. They critique examples of ethical product design and innovation in industrial settings; investigate manufacturing processes, scales of production and emerging materials; and begin the major design project — developing a design brief, research, concept generation and detailed planning. This unit forms the first stage of the School-assessed Task (SAT).

Unit 4: Product Development and Evaluation

Students complete the major design project commenced in Unit 3, safely manufacturing the product using appropriate materials, tools, equipment and machinery. They monitor and document the production process, evaluate the quality of the finished product against criteria and end-user feedback, and engage with speculative design — proposing how their product might evolve to meet future needs.



VCE SYSTEMS ENGINEERING

VCE Systems Engineering introduces the engineering concepts and principles associated with electrical and mechanical systems, with a focus on ethical and sustainable design. Students apply the systems engineering process to develop the practical, research, design and project management skills that engineers use to design complex systems. The study integrates physics, mathematics and design thinking through hands-on, project-based learning.

YEAR 11

Unit 1: Electrotechnological Systems Design

Students explore the evolution and fundamentals of electrotechnological engineering, working through the systems engineering process to design and build a controlled, operational electrotechnological system that addresses a sustainability problem.

Unit 2: Mechanical Systems Design

Students focus on the principles of mechanical systems, applying the systems engineering process to design an inclusive, operational mechanical system. They integrate fundamental physics, simple machines and energy concepts while considering cultural influences and the diverse needs of users.

YEAR 12

Unit 3: Ethical Systems Design

Students develop integrated, controlled mechanical and electrotechnological systems through project-based learning. They identify a problem with an ethical dimension, then investigate energy sources (i.e. of both renewable and non-renewable types) – examining how energy is captured, stored and used, and the sustainability and ethical considerations of each. The major project (School-Assessed Task) commences in this unit.

Unit 4: Systems Production and Innovative Technologies

Students complete, test and evaluate the integrated system designed in Unit 3, applying physics principles, design thinking and practical skills. They also investigate new and emerging technologies, analysing and critiquing their likely impacts on individuals, society and the environment.



VCE HEALTH AND HUMAN DEVELOPMENT

This subject examines human development and health from childhood to adulthood, focusing on individual wellbeing and public health strategies. Students explore global health challenges, development goals and health promotion.

YEAR 11

Unit 1: Understanding Health and Wellbeing

- Explore physical, social and mental health
- Investigate health behaviours and community influences
- Study nutrition and food models

Unit 2: Managing Health and Development

- Understand growth and development across the lifespan
- Learn about prenatal health, early childhood and adolescence
- Explore healthcare services and rights

YEAR 12

Unit 3: Australia's Health in a Global Context

- Examine the health status of Australians
- Explore the role of Medicare and private health insurance
- Study nutrition and disease prevention strategies

Unit 4: Health and Development in a Global Context

- Compare global health outcomes and human development
- Study the United Nations Sustainable Development Goals
- Evaluate Australian and global health initiatives



VCE PHYSICAL EDUCATION

VCE PE explores how the body functions in movement and sport. Students investigate training principles, energy systems, biomechanics and factors influencing participation and performance.

YEAR 11

Unit 1: The Human Body in Motion

- Study bones, muscles, and energy systems
- Learn about movement analysis and injury prevention • Apply learning through physical activity

Unit 2: Physical Activity and Sport

- Investigate factors influencing participation in physical activity
- Explore contemporary issues in sport and active recreation
- Examine strategies to increase physical activity across communities
- Design and evaluate initiatives that promote lifelong participation

YEAR 12

Unit 3: Movement and Performance

- Investigate energy systems, fatigue, and recovery
- Study acute responses and training methods
- Design and evaluate a training program

Unit 4: Enhancing Performance

- Analyse biomechanics, skill acquisition and psychology in sport
- Evaluate legal and ethical issues in performance enhancement
- Apply scientific principles to training and competition



VCE VET SPORT, AQUATICS AND RECREATION

SIS30115 Certificate III in Sport and Recreation (partial or full completion)

VET Sport, Aquatics and Recreation gives students hands-on experience in the sports, aquatics, and recreation industries. Students develop practical skills in activity planning, fitness instruction, first aid, and working with diverse groups. The course includes both theoretical and physical components.

This course suits students interested in careers in sport coaching, fitness, outdoor education, community recreation or health services.

PROGRAM HIGHLIGHTS

- Conduct warm-ups, drills and recreation sessions
- Learn how to plan and deliver sport and leisure programs
- Understand safety procedures and risk management
- Develop leadership, communication and customer service skills
- Gain nationally recognised units from Certificate III in Sport and Recreation

ASSESSMENT AND STRUCTURE

- Combination of practical tasks, workbooks, and structured workplace learning (SWL)
- Delivered over one or two years through a Registered Training Organisation (RTO)
- Some units may contribute to a scored VCE study (ATAR), depending on provider and delivery mode



VCE ITALIAN

VCE Italian helps students build strong skills in speaking, listening, reading, and writing while exploring Italian culture, identity, and daily life. Through real-world topics and engaging activities, students learn how to communicate in meaningful ways, both in personal and broader global contexts. The study encourages reflection on the connection between language and culture, helping students develop intercultural understanding and practical language skills useful for travel, work, and further study.

This subject is ideal for students who enjoy languages and want to connect with Italian-speaking communities in Australia and around the world.

YEAR 11

Unit 1 – My Italian Identity

- Talk about yourself, your family, and your interests
- Learn how to introduce yourself, express likes/dislikes, and describe daily routines
- Read and write simple texts like messages, emails, and blog posts
- Build your confidence with pronunciation, grammar, and basic vocabulary

Unit 2 – Italian Life and Culture

- Explore everyday Italian life, including school, leisure, and food
- Compare Italian and Australian lifestyles
- Understand and create texts like menus, schedules, and diary entries
- Build vocabulary for social interactions and public spaces

YEAR 12

Unit 3 – Italian Connections

- Express opinions and experiences about travel, education, and future goals
- Explore Italy's role in the global world and how language reflects culture
- Read and respond to more complex texts like interviews or short articles
- Develop spoken and written skills for real-life communication

Unit 4 – The Italian-Speaking World

- Discuss broader topics like environment, youth issues, or technology
- Present arguments and opinions in both spoken and written form
- Explore how language and culture influence identity and worldviews
- Prepare for final assessments with confidence in all skills: reading, writing, listening, and speaking



VCE JAPANESE

VCE Japanese helps students build the skills to communicate with confidence in Japanese and to understand Japanese culture, people, and society. Through speaking, listening, reading, and writing, students learn to use Japanese in real-life situations while also exploring topics like travel, work, daily life, traditions, and technology. The course supports both personal and academic growth and can lead to exciting global opportunities.

This subject is ideal for students who enjoy languages, culture, or travel, and want to challenge themselves with new ways of thinking and communicating.

YEAR 11

Unit 1 – Personal World

- Talk about yourself, your family, and your interests
- Learn everyday phrases for introductions and conversations
- Read and write simple texts (e.g. profiles, messages, blog posts)
- Build confidence using hiragana, katakana, and basic kanji

Unit 2 – Exploring Daily Life

- Talk about school, routines, and daily activities
- Order food, talk about hobbies, and describe places
- Expand reading and writing skills with short texts and emails
- Compare Japanese and Australian school or home life

Please note, this course is only offered at our NDC campus.

YEAR 12

Unit 3 – Connections with the World

- Express opinions, experiences, and future plans (e.g. travel, jobs)
- Understand longer conversations, articles, and stories
- Write informative and persuasive texts
- Learn how Japanese language and culture influence each other

Unit 4 – Moving Forward

- Prepare for post-school life using Japanese (e.g. travel, study, work)
- Discuss global topics like environment, youth, or technology
- Create detailed spoken and written texts for different audiences
- Polish grammar, kanji, and communication skills for final exams



VCE SPANISH

VCE Spanish builds strong skills in speaking, listening, reading, and writing while exploring Spanish language and culture, identity, and everyday life. Through real-world topics and engaging activities, students learn how to communicate in meaningful ways, both in personal and broader global contexts. The study encourages reflection on the connection between language and culture, helping students develop intercultural understanding and practical language skills useful for travel, work, and further study. This subject is ideal for students who enjoy languages and want to connect with Spanish-speaking communities in Australia and around the world.

YEAR 11

Unit 1 – My Spanish Identity

- Talk about yourself, your background, and your interests
- Explore how language and culture shape personal identity and develop skills to introduce yourself and describe relationships, experiences, and aspirations
- Read and write simple texts such as messages, emails, and personal reflections

Unit 2 – Living in a Spanish-speaking Community

- Explore daily life in Spanish-speaking communities and understand how people participate in and contribute to their communities
- Examine relationships within families, schools, and social groups
- Discuss cultural practices, traditions, and community values and develop language skills for interacting in community and social settings

Please note, this course is only offered at our NDC campus.

YEAR 12

Unit 3– Communication and Media

- Talk about yourself, your background, and your interests
- Explore how language and culture shape personal identity and develop skills to introduce yourself and describe relationships, experiences, and aspirations
- Read and write simple texts such as messages, emails, and personal reflections

Unit 4– Communication and Media

- Explore the historical, social, and cultural context of 17th-century Spain
- Examine the life and adventures of Don Quixote as a reflection of values and beliefs of the time
- Analyse key themes e.g., identity, justice, honour,
- Interpret different perspectives and representations of Don Quixote
- Prepare for final assessments with confidence in all skills: reading, writing, listening, and speaking

VCE UNITS 1-4 PATHWAY PLANNER

Use this planner to map out your intended VCE subjects across Years 11 and 12. List your chosen subjects in each unit sequence to help plan a balanced and complete VCE program. Subjects can also be selected from the VET program.

The minimum requirement is 16 Units, which must include:

- 3 VCE units from the English group (including a Unit 3 and 4 sequence)
- At least 3 other Unit 3 and 4 sequences other than English.

Year 10 Semester 1	Year 10 Semester 2	Year 11 Semester 1: Unit 1	Year 11 Semester 2: Unit 2	Unit 3 and Unit 4 Studied as a sequence
1.	1.	1.	1.	1.
2.	2.	2.	2.	2.
3.	3.	3.	3.	3.
4.	4.	4.	4.	4.
5.	5.	5.	5.	5.
6.	6.	6.	6.	☐ School-based RE if not selected in VCE
7. Religion	7. Religion	☐ Religion and Society Unit 2* ☐ Religion and Society Unit 2*		Reserve 1:
		Reserve 1:		Reserve 2:
		Reserve 2:		Reserve 3:
		Reserve 3:		
		Reserve 4:		



VCE VOCATIONAL MAJOR

The VCE Vocational Major [VCE VM] is a two-year program within the VCE that focuses on applied learning to help students build skills for work, further education, or training. It prepares students to move confidently into apprenticeships, traineeships, TAFE, or university (non-ATAR pathways).

VCE VM students build valuable, transferable skills through real-life experiences, including structured workplace learning and vocational education [VET]. There are no exams or study scores in VM subjects — assessment is based on hands-on tasks and applied learning. Students do not receive an ATAR but may include scored VCE subjects in their program.

The VCE VM consists of a minimum of

- 3 units of Literacy or VCE English (including a Unit 3–4 sequence)
- 2 units of Numeracy or VCE Mathematics
- 2 units of Work Related Skills (WRS)
- 2 units of Personal Development Skills (PDS)
- VET credits (Certificate II level or above 180 nominal hours)
- 4 Unit 3–4 sequences (VM or other VCE subjects)

All VCE VM units are made up of modules with learning goals. Students must complete all modules in a unit to achieve a 'Satisfactory' (S) result. Students are assessed through a range of activities and reported as S (Satisfactory) or N (Not Satisfactory).

The VCE VM has four unique study areas

Literacy enables the development of knowledge, skills, and capabilities relevant to reading, writing and oral communication and their practical application in the contexts of everyday life, family, employment, further learning, and community.

Numeracy enables students to develop their everyday numeracy practices to make sense of their personal, public, and future vocational lives through hands-on projects, budgeting, and data tracking.

Work Related Skills enables the development of knowledge, skills, and personal attributes relevant to further education and employment.

Personal Development Skills focuses on understanding and caring for self and engagement with community.

Optional Programs:

School-Based Apprenticeship and Traineeship (SBAT)

Over the two VCE years students can substitute VCE VM subjects with other VCE subjects or SBAT providing the minimum requirements for the pathway are met. SBAT combines part-time, practical experience in the workplace with recognised, structured training from a Registered Training Organisation or TAFE. Participation in an SBAT will have a personal time commitment both after hours and during the school day to accommodate placement.

Structured Workplace Learning (SWL)

Students can receive SWL recognition through structured work placement (SWLR) supported by their VET course. SWL is optional and will occur in a block placement. Students can complete VCE VM without an SWL.

The availability of all subjects is subject to operational constraints, including student enrolments and staffing.



VCE VM LITERACY

Literacy focuses on real-world reading, writing, speaking and listening skills. Students explore how language is used in personal, community, workplace, and advocacy settings.

They analyse a wide range of texts — including digital, visual, and print — and consider how purpose, audience, and language choices influence meaning. Students investigate the voices of First Nations peoples and learn how texts reflect values and beliefs.

YEAR 11

Unit 1: Literacy for Personal Use

- Engage with stories, digital media, blogs, and visual texts.
- Build digital literacy and create content for workplace use

Unit 2: Exploring Issues and Voices

- Explore real-world issues and differing viewpoints
- Learn persuasive writing and respectful debate across platforms

YEAR 12

Unit 3: Literacy for Practical Purposes

- Read and create texts for vocational settings (e.g. instructions, policies)
- Understand how organisations use language to inform and guide

Unit 4: Literacy for Public Debate

- Create texts that advocate for self, others, or community issues
- Deliver an oral presentation to advise or influence an audience



VCE VM NUMERACY

Numeracy students develop the mathematical skills needed for everyday life, work, and the community. The course focuses on practical, real-world maths such as budgeting, time, measurement, data, and spatial awareness.

Students build problem-solving skills and use appropriate technology to support their learning.

YEAR 11

Unit 1: Develop Numeracy Practices

- Number
- Shape
- Quantity and measures
- Relationships.

The areas of study cover a range of different mathematical knowledge and skills that are expected to be used and applied across the three outcomes.

Unit 2: Application of Numeracy Practices

- Dimension and direction
- Data
- Uncertainty
- Systematics

The areas of study cover a range of different mathematical knowledge and skills that are expected to be used and applied across the three outcomes.

YEAR 12

Unit 3: Enhance Numeracy Practices

- Number
- Shape
- Quantity and measures
- Relationships.

The areas of study cover a range of different mathematical knowledge and skills that are expected to be used and applied across the three outcomes.

Unit 4: Extend Numeracy Practices

- Dimension and direction
- Data
- Uncertainty
- Systematics



VCE VM PERSONAL DEVELOPMENT SKILLS

Personal Development Skills focuses on personal growth, leadership, and active citizenship. Students explore their health and wellbeing, reflect on their values and goals, and build skills to participate in and lead community initiatives.

YEAR 11

Unit 1: Healthy Individuals

- Understand identity, mental health and emotional intelligence
- Investigate health services and create wellbeing activities

Unit 2: Connecting with Community

- Learn about teamwork, empathy, and civic participation
- Plan and participate in a community activity or initiative

YEAR 12

Unit 3: Leadership and Teamwork

- Explore leadership styles and interpersonal skills
- Take part in a collaborative team project

Unit 4: Community Project

- Plan and deliver an extended project to address a real community issue
- Present and evaluate the outcomes



VCE VM WORK RELATED SKILLS

WRS prepares students for life after school by building workplace skills, career planning, and knowledge of rights and responsibilities. It blends theory and hands-on experience, including support for workplace learning.

YEAR 11

Unit 1: Careers and Learning for the Future

- Explore future careers and pathways
- Learn about trends in industries and workforce needs

Unit 2: Workplace Skills and Capabilities

- Build employability skills (e.g. communication, teamwork)
- Create a resume, prepare for interviews, and develop a skills portfolio

YEAR 12

Unit 3: Workplace Culture and Relations

- Learn about employee rights, wellbeing and safe workplace practices
- Understand employer expectations and workplace conflict resolution

Unit 4: Portfolio Preparation

- Build a professional digital/physical portfolio
- Present to a panel and evaluate personal growth

VCE VOCATIONAL MAJOR

UNITS 1-4 PATHWAY PLANNER

Use this planner to map out your intended VCE VM subjects across Years 11 and 12. List your chosen subjects in each unit sequence to help plan a balanced and complete VCE program.

The minimum requirement is 16 Units, which must include:

- 3 VCE VM Literacy or VCE English units (including a unit 3-4 sequence)
- 2 VM Numeracy or VCE Mathematics units
- 2 VCE VM Work Related Skills [WRS] units
- 2 VCE VM Personal Development Skills [PDS] units
- 2 VET credits at Certificate II or above (180 nominal hours)

Year 10 Semester 1	Year 10 Semester 2	Year 11 Semester 1: Unit 1	Year 11 Semester 2: Unit 2	Unit 3 and Unit 4 Studied as a sequence
1.	1.	1.	1.	1.
2.	2.	2.	2.	2.
3.	3.	3.	3.	3.
4.	4.	4.	4.	4.
5.	5.	5.	5.	5.
6.	6.	6. VET:	6. VET:	☐ School-based RE if not selected in VCE
7. Religion	7. Religion	7. Religion and Society Unit 2	7. Religion and Society Unit 2	Second Year VET:
		Reserve 1:		Reserve 1:
		Reserve 2:		Reserve 2:
		Reserve 3:		
		Reserve 4:		

Sample planner: Eligible for a VCE VM Certificate

Year 10 Subjects	Unit 1	Unit 2	Unit 3 and Unit 4 Studied as a sequence
1. English	1. Literacy	1. Literacy	1. Literacy
2. Maths	2. Foundation Maths	2. Foundation Maths	2. Foundation Maths
3. HPE	3. WRS	3. WRS	3. WRS
4. Humanities	4. PDS	4. PDS	4. PDS
5. Science	5. Systems Engineering	5. Systems Engineering	5. Systems Engineering
5. VET Taster	6. VET 1st Year	6. VET 1st Year	☒ School-based RE if not selecting PDS
7. Religion	7. Religion and Society Unit 2	7. Religion and Society Unit 2	7. VET 2nd Year



VICTORIAN PATHWAYS CERTIFICATE

Flexible, applied learning to prepare students for further education, training, or employment

The Victorian Pathways Certificate (VPC) is a hands-on learning program for students who need a flexible and supportive pathway through their senior years. It focuses on building core skills in literacy, numeracy, personal development, and work-related learning to help students confidently transition into TAFE, an apprenticeship, further education, or employment.

The VPC is not an ATAR pathway but provides a meaningful and recognised senior secondary qualification for students who may not be ready or suited to the VCE or VCE Vocational Major (VM).

The VPC allows students to build confidence, independence, and workplace readiness in a supportive environment. It recognises each student's progress and strengths and sets them up for success beyond school.

WHO IS THE VPC FOR?

VPC may be suitable for a student who:

- has had a highly modified program during their F-10 years
- is re-engaging into the school environment
- has had a transient experience with previous school enrolments
- meets the eligibility for the Nationally Consistent Collection of Data (NCCD)
- receives support from the top three levels of the NCCD: extensive, substantial and supplementary.
- has additional or complex social and wellbeing needs that cannot be supported in the VCE or VCE VM through Special Provision supports.
- Would benefit from additional support with literacy, numeracy, and personal development
- Are not ready to begin the VCE or VCE VM but want a positive senior secondary experience
- May be planning a gradual transition into work, a traineeship, or further education

Students must be aged 15 or older and typically complete the VPC over 12 to 18 months.

WHAT WILL I STUDY?

Student's complete 12 units from four core curriculum areas:

- **Literacy** – reading, writing, communication for real-life situations
 - **Numeracy** – practical maths skills for life and work
 - **Personal Development Skills (PDS)** – teamwork, confidence, resilience, and community participation
 - **Work-Related Skills (WRS)** – preparing for the workplace, OHandS, and exploring career options
- Many students also take part in **VET (Vocational Education and Training)** and **Structured Workplace Learning** as part of their program.

HOW IS THE VPC ASSESSED?

There are no exams or study scores in the VPC. Students are assessed through hands-on projects, practical tasks and participation. Progress is based on completion of learning outcomes rather than traditional grades.

If you are considering if VPC is right for you, please speak with your Inclusion Leader and Careers Counsellor.



NEXT STEPS

1. Explore Your Options

Read this guide carefully and discuss the pathways and subjects that best match your interests, strengths and future goals.

2. Talk to Your Teachers

Seek advice from your current teachers about your strengths, recommended subjects and any prerequisites for future study.

3. Speak with a Careers Counsellor

Meet with a Careers Counsellor if you have questions about your proposed pathway.

4. Discuss Your Choices at Home

Talk with your parents/carers about your proposed pathway, workload and future aspirations before submitting your selections.

5. Attend Subject Selection Interviews

Submit your preferences during your designated subject selection interview.

Late submissions may limit subject availability.

6. Final Timetable

Once selections have been reviewed and confirmed, students will receive their final program before the commencement of the school year.

The availability of all subjects is subject to operational constraints, including student enrolments and staffing.



LIFE TO THE FULL

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