Accounting Units 1 to 4

What is it all about?

Accounting involves modelling, forecasting and providing advice to stakeholders through the process of collecting, recording, reporting, analysing and interpreting financial and non-financial data and accounting information. This data and information is communicated to internal and external stakeholders and is used to inform decision-making within the business with a view to improving business performance. Accounting plays an integral role in the successful operation and management of businesses.

What will I learn?

Unit 1: Role of accounting in business	Unit 2: Accounting and decision-making for a trading business
• The role of accounting • Recording financial data and reporting accounting information for a service business	• Accounting for inventory • Accounting for and managing accounts receivable and accounts payable • Accounting for and managing non-current assets
Unit 3: Financial accounting for a trading business	**Unit 4: Recording, reporting, budgeting and decision-making**
• Recording and analysing financial data • Preparing and interpreting accounting reports	• Extension of recording and reporting • Budgeting and decision-making

What types of things will I do?

• Evaluate case studies • Record types of financial information • Prepare accounting reports	• Use computer accounting packages • Analyse information • Prepare budgets	• Use breakeven analysis • Prepare stock cards

What can this lead to?

• Accounting • Banking • Finance	• Insurance • Law • Management	• Marketing • Owning or managing a small business

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Business success and failure	• The finance sector	• Data analysis	• Profit	• Investment

Agricultural and Horticultural Studies Units 1 to 4

What is it all about?

VCE Agricultural and Horticultural Studies explores food and fibre production, with a focus on land cultivation and the raising of plants and animals through evidence-based, sustainable and ethical practices. This study focuses on the rapid rate of change in the agriculture and horticulture industries and the increasing application of innovation and data-driven initiatives. You will develop problem-solving skills by applying scientific methods of testing and monitoring, collecting and analysing relevant data, and researching current issues and best-practice case studies. Practical tasks are integral to Agricultural and Horticultural Studies and may include plant and/or animal management; experiential field trips; scientific trials, experiments and data analysis; business or entrepreneurial practices including value-adding activities; investigative reporting on best practice; and virtual reality experiences.

What will I learn?

Unit 1: Change and opportunity	Unit 2: Growing plants and animals
• Local agriculture and horticulture industries • Food and fibre production • Collection and application of data in practical tasks	• Plant and animal growth, nutrition, genetics, reproduction, and management. • The impact of climate on plant and animal production.
Unit 3: Securing the future	**Unit 4: Sustainable food and fibre production**
• Techniques used to manage soil, water, pests, diseases and weeds. • New and emerging technologies in the industry. • Biosecurity, decision making and management tools.	• Sustainability of businesses: economic, social and environmental. • The effects of climate change on ag/hort. • Study a range of environmental degradation issues facing agriculture/horticulture.

What types of things will I do?

• Conduct small business projects (business plans, budgeting, growth, marketing and sale of a product) • Research reports	• Excursions and case study reports. • Plant and animal production and management at the school.	• Experiment designs and scientific reports • Visual displays and oral presentations.

What can this lead to?

• Agricultural banking • VET	• Agribusiness management • Animal/plant production	• Animal nutrition • Agronomist	• Animal health officer • Food security

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Running your own business • Marketing and selling a product	• Biosecurity and control of pests/disease • The use of robotics in agriculture	• Animal genetics and breeding • Bioengineering of plants and animals	• Local enterprises including wineries, broadacre cropping, animal production	• Sustainable development • Global food security and climate change

Applied Computing Units 1 to 4

What is it all about?

Technology continues to evolve rapidly, providing opportunities for enterprising individuals to create new technologies and innovative uses for existing technologies. This study equips students with the knowledge and skills required to adapt to a dynamic technological landscape, including the ability to identify emerging technologies, envisage new uses for digital technologies and consider the benefits that these technologies can bring to society at a local and at a global level. **VCE Applied Computing**(Year 11) and **VCE Data Analytics** (Year 12) facilitates student-centered learning that enables students to build capabilities in critical and creative thinking, and to develop communication and collaboration, and personal, social and information and communications technology (ICT) skills. Students are provided with practical opportunities and choices to create digital solutions for real-world problems in a range of settings. These subjects are underpinned by four key concepts: digital systems, data and information, approaches to problem solving, and interactions and impact.

What will I learn?

Unit 1: Applied Computing	**Unit 2: Applied Computing**
• Data analysis • Data visualisation • Designing software • Developing software	• Approaches to problem solving • Development of an innovative solution • Network security • Cybersecurity
Unit 3: Data Analytics	**Unit 4: Data Analytics**
• Data management and data visualisations • Data analytics: analysis and design	• Data analytics: presenting the findings • Cybersecurity: data and information security

What types of things will I do?

• Web design • Networking – LANs, WANs, WPANS • Project management • Create Gantt charts • Create digital solutions for real-world problems	• Data collection, analysis and referencing • Create flowcharts, data visualisations and infographics • Use and create databases and big data • Undertake research projects	• Coding projects • Research projects • Extract data from large repositories • Testing and debugging

What can this lead to?

• Computer science	• Information Architecture
• Games Developer	• Cyber Security
• Business	• Business Analyst
• Systems engineering and robotics	• Networks
• Telecommunications	• Data Analytics

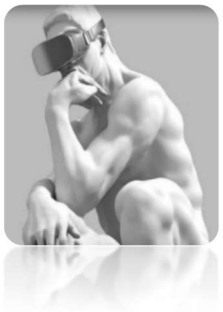
Why choose this subject?

Choose this subject if you are interested in learning about:				
• Problem Solving • Cybersecurity	• Networking and Security	• Information systems	• Data visualisation and manipulation	• Project management

Art Creative Practice Units 1 to 4

What is it all about?

Art Creative Practice requires students to engage by researching, exploring, experimenting, developing, refining, reflecting and evaluating their own and other artist's practices. In Units 1 & 2 they focus on three artforms in project and inquiry-based learning. They develop a body of work that is experimental and conceptual with collaborative practices explored. They explore Structural and Personal Lenses to interpret artwork.
In Units 3 and 4, students direct their own Creative Practice, choosing artists and art forms. They develop a body of work to produce one final artwork in Unit 3 (SAT1) and extend a second body of work to produce finals in Unit 4 (SAT2). Students follow a path of individual enquiry that involves reflection, evaluation, critique, resolution, refinement and presentation. In Unit 4 they interpret artworks from different historical and cultural contexts to compare the meanings and messages of selected artworks (SAC). They apply all three of the Interpretive lenses which are Cultural, Structural and Personal. The practical and theoretical components of the course are designed to build conceptual and critical thinking.



What will I learn?

Unit 1: Interpreting artworks and exploring the Creative Practice	**Unit 2: Interpreting artworks and developing Creative Practice**
• What influences Creative Practices • Interpretation using Structural and Personal Lenses • Processes for developing ideas, visual language • Inquiry/experimentation of three art forms • Effective annotation/documentation	• Interpretation using lenses • Responding to cultural/social concerns • Collaborative practice • How critical reflection informs Creative Practices • How to evaluate and present final artworks
Unit 3: Investigation, ideas, artworks and the Creative Practice	**Unit 4: Interpreting, resolving and presenting artworks and the Creative Practice**
• Critical analysis of one artist's practice (student choice) • Exploration of ideas using inspiration • Development of one finished artwork • Effective documentation of Creative Practice • Reflective annotation	• Critique the development, refinement and resolution of personal concepts, ideas, directions, explorations and visual language in a body of work • Apply skill to at least one finished artwork • Comparative analysis of the practices of contemporary and historical artists

What types of things will I do?

• Lead your practice • Inquiry and project based • Experiment • Develop and refine techniques • Reflect and critique	• Study artists from different cultures and time • Explore the Cultural, Structural, Personal lens • Analyse contemporary practices	• Record and annotate • Develop a body of work • Complete final artworks • Evaluate and display • Explore galleries

What can this lead to?

• Curator	• Photographer
• Exhibition Designer	• Fashion Designer/Coordinator
• Art/design fields (Art Director, Graphic Designer)	• Multimedia Developer
• Artist (print/ceramic/drawing/painting/sculpture+)	• Illustrator/Animator

Why choose this subject?

Choose this subject if you are interested in:				
• Personal, artistic, political, social expression	• Developing your own Creative Practice, style, techniques	• Contemporary, collaborative and critical art practice	• Exploration of concept, ideas and aesthetics	• Analysis, critique and evaluation

Biology Units 1 to 4

What is it all about?

Biology is a science discipline that seeks to understand and explore the nature of life, past and present. Despite the diversity of organisms, all life forms share a degree of relatedness and a common origin. This subject explores the relationships between organisms and their interactions with the non-living environment. It also explores the processes of life, from the molecular world of the cell to that of the whole organism. The study of Biology develops skills in posing questions and solving problems. Students undertake practical investigations and research contemporary biology-related issues, learning how to communicate ideas from an informed position. Biology is an important foundation for a range of careers including those in the health system and management of our environment.

What will I learn?

Unit 1: How do organisms regulate function?	**Unit 2: How does inheritance impact diversity?**
• Cell structure and function • Function of animals and plants • Practical investigation	• Inheritance and genetics • Effect of adaptations on diversity • Research investigation
Unit 3: How do cells maintain life?	**Unit 4: How does life change and respond over time?**
• Connection between nucleic acids and proteins • Regulation of biochemical pathways	• Response of organisms to pathogens • Relatedness and change in species over time • Practical investigation

What types of things will I do?

• Conduct experiments • Collect and analyse experimental data	• Practical report writing • Apply content to new situations • Critical thinking	• Investigate case studies • Create visual displays of your understanding

What can this lead to?

• Food science	• Veterinary science	• Environmental conservation
• Sport science	• Physiotherapy	• Optometry
• Marine biology	• Nursing	• Medicine

Why choose this subject?

Choose this subject if you are interested in learning about:				
• How cells communicate to keep us alive	• Genetics and heredity	• How to design practical experiments	• How our body protects us from disease	• Evolution

Business Management Units 1 to 4

What is it all about?

Business Management examines the ways businesses manage resources to achieve objectives. The Business Management study design follows the process from the first idea for a business concept, to planning and establishing a business, through to the day-to-day management of a business. It also considers changes that need to be made to ensure continued success of a business. Students develop an understanding of the complexity of the challenges facing decision-makers in managing these resources. A range of management theories are considered and compared with management in practice through contemporary case studies. Students learn to propose and evaluate alternative strategies to contemporary challenges in establishing and maintaining a business.

What will I learn?

Unit 1: Planning a business	Unit 2: Establishing a business
• The business idea • Internal business environment and planning • External environment and planning	• Legal requirements and financial considerations • Marketing a business • Staffing a business
Unit 3: Managing a business	**Unit 4: Transforming a business**
• Business foundations • Human resource management • Operations management	• Reviewing performance – the need for change • Implementing change

What types of things will I do?

• Visit a manufacturing business • Explore current media issues • Structure of businesses	• Identify qualities and skills of successful entrepreneurs • Class debates • Case studies	• Conduct market research of your own business idea • Research business websites • Interview local business owner

What can this lead to?

• Human Resources Officer	• Importer and Exporter	• Human Resources Officer
• Recruitment Consultant	• Office Administrator	• Marketing Officer
• Retail Manager	• Real Estate Agent	• Taxation Agent
• Finance Manager	• Bank Officer	• Sales Manager

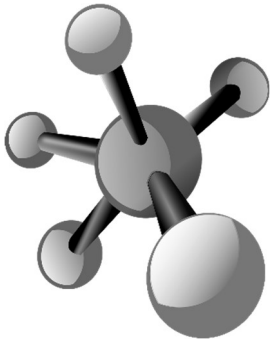
Why choose this subject?

Choose this subject if you are interested in learning about:				
• Planning and running a business • Business ownership	• Implementing change in businesses or organisations	• Entrepreneurship • Innovation • Support to start a business	• Workplace relations • Corporate social responsibility	• Business opportunities • Leadership • Management

Chemistry Units 1 to 4

What is it all about?

The study of VCE Chemistry involves investigating and analysing the composition and behaviour of matter, and the chemical processes involved in producing useful materials for society in ways that minimise adverse effects on human health and the environment. Chemistry underpins the generation of energy for use in homes and industry, the maintenance of clean air and water, the production of food, medicines and new materials, and the treatment of wastes.
Chemistry involves some mathematical skills because you will need to measure quantities and calculate how much of a particular substance will be produced in a reaction. You will also be required to learn and recall information about different substances and their structures. There are many links between Chemistry and the other science subjects.



What will I learn?

Unit 1: How can the diversity of materials be explained?	Unit 2: What makes water a unique chemical?
• Elements and periodic table • Covalent substances • Reactions of metals and ionic compounds • Separation and identification of components of mixtures	• Properties and reactions in water • Solubility and concentration • Practical investigation • Acid-base reactions
Unit 3: How can chemical processes be made efficient?	**Unit 4: How are organic compounds used?**
• Energy choices • Fuel cells and Galvanic cells • Rates of reaction and yields • Electrolysis and rechargeable batteries	• Structure of organic compounds • Reactions and analysis of organic • Practical investigation

What types of things will I do?

• Conduct practical activities including making chemical compounds	• Collect and analyse experimental data • Student design investigations	• Problem solving tasks • Critical thinking

What can this lead to?

• Medicine	• Forensic science	• Engineering
• Dietetics	• Chemistry research	• Education
• Pharmacy	• Sports science	• Environmental science

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Why materials have specific properties	• Why water is such a unique and useful compound	• Harnessing and using chemical energy	• Making useful products such as medicines	• The chemical structure of biological systems

Economics Units 1 to 4

What is it all about?

Economics is the study of how resources are allocated to meet the needs and desires of society. It attempts to explain how and why individuals behave the way they do and the consequences of their decision-making. Studying Economics enables students to gain valuable insight into the economic problems they may face on an individual basis (and collectively as a society) to meet the demands of citizens and may therefore assist them in making more informed and responsible decisions. Economics examines the roles of consumers, businesses, governments and other organisations in decision-making about the allocation of resources, the production of goods and services and the effect that these decisions may have on material and non-material living standards. Developing an understanding of Economics will enable students to appreciate the reasons behind these decisions and the intended and unintended consequences.

What will I learn?

Unit 1: Economic decision making	Unit 2: Economic issues and living standards
• Thinking like an economist • Decision-making in markets • Behavioural economics	• Economic activity • Applied economic analysis of local, national and international economic issues
Unit 3: Australia's living standards	**Unit 4: Managing the economy**
• An introduction to microeconomics • Domestic macroeconomic goals • Australia and the international economy	• Aggregate demand policies and domestic economic stability • Aggregate supply policies

What types of things will I do?

• Visit real markets including the Queen Victoria Market	• Research current economic policy and its impact on Australians	• Interpretation of graphs, charts and infographics released by the RBA and ABS

What can this lead to?

• Economist	• Government advisor	• Marketer
• Stock Broker	• Insurance Agent	• Mortgage broker
• Crypto Broker	• Investment Banker	• Importer / Exporter
• Financial Planner		

Why choose this subject?

Choose this subject if you are interested in learning about:				
• How government, business and consumers behave	• How governments can improve living standards	• How to allocate resources efficiently	• How and why people, businesses and governments make decisions	• How the international economic system works

English Units 1 to 4

What is it all about?

English focuses on the understanding, analysis and creation of texts, whether they be written, spoken or multi-modal (a mixture of different forms). Through engagement with texts from the contemporary world and from the past, and using texts from Australia and from other cultures, students studying English become confident, articulate and critically aware communicators and further develop a sense of themselves, their world and their place within it. Students will be asked to respond to the way others present arguments using persuasive language, to create analytical pieces in response to texts and to write for a specific audience and purpose by creating a text based on a framework. English must be completed as a Unit 1 – 4 sequence.

What will I learn?

Unit 1:	**Unit 2**
• Reading and responding to texts • Crafting texts with consideration of audience, purpose and context • Students learn what constitutes effective writing while exploring a range of modes	• Reading and responding to texts • Presenting an argument based on a contemporary issue (written) • Analysing arguments created by authors on a contemporary issue
Unit 3	**Unit 4**
• Reading and responding to texts • Crafting texts with consideration of audience, purpose and context • Students learn what constitutes effective writing while exploring a range of modes	• Reading and responding to texts • Presenting an argument based on a contemporary issue (spoken) • Analysing arguments created by authors on a contemporary issue

What types of things will I do?

• Analytical responses • Creative responses • Written explanations	• Oral presentations • Critical thinking • Written 'point of view' pieces	• Argument and language analysis • Comparative pieces

What can this lead to?

• Arts, media and communications • Journalism • Law and legal studies • Humanities fields of study	• Careers where interpersonal skills are required (Such as nursing, teaching, business, commerce and further fields including trades)

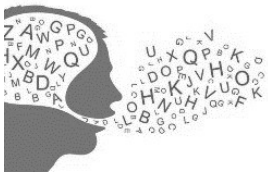
Why choose this subject?

Choose this subject if you are interested in learning about:				
• Analysis and use of texts	• Modes of writing	• Communication for future careers	• Responses to texts	• How writers influence others

English Language Units 1 to 4

What is it all about?

VCE English Language explores the ways in which language is used by individuals and groups and reflects our thinking and values. Learning about language helps us to understand ourselves, the groups with which we identify and the society we inhabit. There is a focus on linguistics and the language that will be needed to analyse both written and spoken forms of communication. In this course, students will be asked to consider elements like the building blocks of English and how / why individuals use them differently, informal and formal uses of language, language variation within our society, and the way that language links to identity. English Language is recommended for those who are likely to be engaged with the technical side of language, but the course still requires you to write both short and extended pieces of writing



Important:

- English Language meets the VCE 'English subject' requirement.
- It must be completed as a Unit 1 – 4 sequence.
- It must be chosen in consultation with the Careers Counsellor and the Head of Faculty - English

What will I learn?

Unit 1: Language and communication	Unit 2: Language change
• The nature and function of language – including sub-systems • Linguistics including phonetics, morphology, syntax, discourse, lingua franca and semantics • Stages of language acquisition	• Language change across time • Language origins and current uses • The usage of English in comparison to other languages
Unit 3: Language variation and social purpose	**Unit 4: Language variation and identity**
• Informal language use • The social purposes of why we use language • Formal language use - formality • Language choices (syntax, lexicon, style)	• A focus on Australian English, its changes and its purposes • A focus on how language links to identity (speech norms, inclusion/exclusion, group membership

What types of things will I do?

• Focus on a variation of text types • Create a folio of work/writing • Annotate texts/pieces	• Write essays • Short answer questions • Analyse the language and its purpose in a text • Learn linguistics terms	• Investigate different types of language, past and present • Listen to and analyse speeches and written pieces – analytical commentaries

What can this lead to?

• Linguistics or language courses • Courses linked to technical aspects including mathematical and scientific approaches	• Arts and/or journalism, media and communications • Foreign language courses

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Language and its various purposes	• Linguistics terminology	• Language and how it links to identity	• A more technical side to the English Language	• How we acquire and make language relevant to ourselves

Environmental Science Units 1 to 4

What is it all about?

Environmental Science explores the interactions and interconnectedness between humans and their environments. You will learn skills to monitor the environment by conducting field work including quadrat studies, transect studies, water quality testing and biodiversity audits. The importance of biodiversity and how it can be managed and protected for future generations is covered in this subject, along with the significance of renewable and non-renewable energy sources and their impacts on the Enhanced Greenhouse Effect. The knowledge and skill you will develop in this subject provides insight into possible future jobs including an Environmental Scientist, Ecologist, Wildlife Conservationist, Toxicologist, Environmental Engineer and Environmental Law.

What will I learn?

Unit 1: How are Earth's dynamic systems interconnected to support life?	**Unit 2: What affects Earth's capacity to sustain life?**
• Biosphere • Local ecosystems • Practical investigation related to ecosystems	• Impact of pollution • Managing food/water to sustain Earth's systems • Pollutant case study
Unit 3: How can biodiversity and development be sustained?	**Unit 4: How can Climate change and energy impacts be managed?**
• Biodiversity (plants and animals) • Sustainable development • Environmental Management case study	• Climate change • Renewable vs non-renewable energy • Practical investigation related to biodiversity, environmental management, climate change or energy

What types of things will I do?

• Conduct experiments • Undertake field work • Environmental monitoring	• Hands-on outdoor activities • Collect and analyse experimental data	• Critical thinking • Practical investigations • Case studies

What can this lead to?

• Marine biology • Environmental conservation (e.g., Park Ranger) • Environmental Management of any industry • Outdoor & environmental education for sustainability • Politics and council positions	• Meteorology (Weather) • Renewable energy industry (e.g., solar panels) • Academia: environmental research and development • Ecology

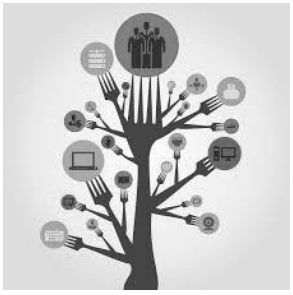
Why choose this subject?

Choose this subject if you are interested in learning about:				
• Endangered plants and animals	• How renewable energy compares to non-renewable	• Using creativity to solve environmental issues	• Environmental anomalies (e.g., earthquakes, weather,	• Climate change

Food Studies Units 1 to 4

What is it all about?

VCE Food Studies takes an interdisciplinary approach to the exploration of food, with an emphasis on extending food knowledge and skills and building individual pathways to health and wellbeing through the application of practical food skills. Students explore food from a wide range of perspectives. They study past and present patterns of eating, Australian and global food production systems and the many physical and social functions and roles of food. They research economic, environmental and ethical dimensions of food and critically evaluate information, marketing messages and new trends. Practical work is integral to Food Studies and includes cooking, demonstrations, creating and responding to design briefs, dietary analysis, food sampling and taste-testing, sensory analysis, product analysis and scientific experiments.



What will I learn?

Unit 1: Food origins	Unit 2: Food makers
• Historical and cultural perspectives • Origins and roles of food • Indigenous food prior to European settlement • Australia's culinary identity • Influence of technology and globalisation on food patterns	• Commercial food production in Australia • Food industry: challenges and opportunities • Product development and innovation, and safe food supply • Design briefs, applying commercial principles such as research, design, product testing, production, evaluation and marketing
Unit 3: Food in daily life	**Unit 4: Food issues, challenges and futures**
• The science of food • Physiology of eating and appreciating food, and the microbiology of digestion • Rationale behind the dietary guidelines • Understanding of diverse nutrient requirements • Influences on food choice • Behavioural principles in the establishment of lifelong, healthy dietary patterns	• Global and Australian food systems. • Environment, ecology, ethics, farming practices, the development and application of technologies • Food sovereignty and food citizens • Food security, safety, wastage, and management of water and land • Contemporary food fads, trends and diets • Interpreting food labels and analysing the marketing terms used on food packaging

What types of things will I do?

• A range of practical activities	• Written reports	• Annotated visual report

What can this lead to?

• Food Scientist/Technologist	• Dietitian	• Chef
• Nutritionist	• Hospitality	• Areas of Agriculture
• Nutritional Therapist	• Food Policy Therapist	• Toxicologist
• Product research and development	• NGO – Food security/sustainability	• Procurement manager

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Food	• Sustainability	• Health	• Dietetics	• Cooking

General Mathematics Units 1 to 4

What is it all about?

The General Mathematics pathway is the most popular mathematics choice for students in Victoria. It offers practical units of study which can be used in a variety of pathways following Year 12.
Although Unit 1/2 is not a pre-requisite for 3/4 study, it offers the opportunity to develop a strong foundation before moving into year 12 as many of concepts are introduced and investigated.
The units of study have real world applications and can be used later in life. For example, during the Financial Maths unit you will learn how loans work and the effects that time and interest rates have on the life of loan.

What will I learn?

Unit 1	Unit 2
• Computational and Practical Arithmetic • Univariate Data • Recursion and Financial Mathematics • Matrices	• Bivariate Data • Data Transformations and Variations • Networks •
Unit 3	**Unit 4**
• Data Analysis • Recursion and Financial Mathematics •	• Networks • Matrices

What types of things will I do?

• Analyse and interpret data • Learn how to use CAS technology	• Use a variety of problem solving techniques. • Investigate number patterns	• Apply critical thinking to real world situations.

What can this lead to?

• Accounting	• Science Studies
• Business Studies	• Education
• Construction/Trades	

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Patterns	• How loans work	• Data and Statistics	• How a Matrix can be used	• Problem Solving

Health & Human Development Units 1 to 4

What is it all about?

Health is a dynamic state that is influenced by complex interrelationships between individuals, biological and behavioural factors, as well as physical and socio-cultural environments. These interrelationships are reflected in a social view of health that sees health as being created in the settings where people live and work. In undertaking this study, students will gain an understanding of the role everyday activities play in improving or reducing our overall health and development. Students will gain an understanding into the inequalities in health both within Australia and in developing regions. Students will explore Australia's healthcare system including Medicare and private health insurance, giving them essential life skills post-schooling in these areas.

What will I learn?

Unit 1: Health and wellbeing of youth	Unit 2: Individual human development
• Understanding youth health • Nutrition • Specific health issues within Australia's youth	• Prenatal and childhood health and development • Australia's healthcare system • Responsible parenthood
Unit 3: Australia's health	**Unit 4: Global health and human development**
• Health status of Australians • Factors that influence individual health and wellbeing such as nutrition. • Health promotion programs in Australia. • Australia's healthcare system	• Health in developing regions of the world • Sustainable human development • Australia's International Aid Program • UN sustainable development goals

What types of things will I do?

• Analyse data • Evaluate health promotion programs	• Create multimedia presentations • Case study analysis	• Profiling • Critical thinking

What can this lead to?

• Nursing	• Dietetics
• Medicine	• Counselling/mental health services
• Social work	• Education

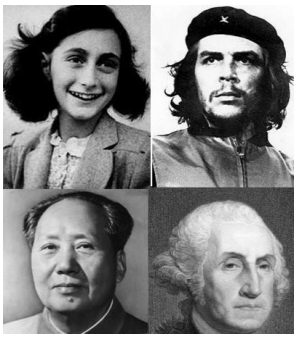
Why choose this subject?

Choose this subject if you are interested in learning about:				
• Nutrition	• Australia's healthcare system	• Human lifecycle	• International aid	• International health

History Units 1 to 4

What is it all about?

History enables students to understand social change and how our world cameto be the way it is. It involves looking at what people have done in the past and making sense of historical sources. History students ask questions, revise interpretations of the past, and develop unique understandings about the world. A study of History develops a range of skills, such as locating, studying, and interpreting both written and visual material, extracting evidence and meaning, forming arguments, developing problem-solving and critical thinking skills, and developing communication skills in both writing and speaking. A thorough understanding of History also provides learners with the skills and knowledge to participate as informed citizens of democracy.



What will I learn?

Unit 1: Modern History (1900-1939)	Unit 2: Twentieth Century History (1945-2000)
• Ideology and conflict (*case Studies could include Russia/USSR and Nazi Germany*) • Social and cultural change (*case studies coulc include USA, USSR, Japan, Italy, and Germany)*	• Causes, course, and consequences of the ColdWar • Challenge and change (*case studies couldinclude decolonisation, Vietnam, and the Iranian Revolution)*
Unit 3: Chinese Revolution (1911-1976)	**Unit 4: American Revolution (1754-1789)**
• Causes of revolution: China (1912-1949) • Consequences of revolution: People's Republic of China (1949-1976)	• Causes of revolution: American Colonies (1754-1776) • Consequences of revolution: United States ofAmerica (1776-1989)

What types of things will I do?

• Researching • Report writing	• Questioning • Critical thinking	• Analysing • Communicating

What can this lead to?

A study of History provides knowledge and skills useful for several professions. These include:

• Lawyer	• Urban planner	• Police Officer
• Diplomat/Embassy Officer	• Librarian	• Social Worker
• Journalist/Publisher	• Teacher	• Museum curator
• Policy Analyst	• Archaeologist	• Politician

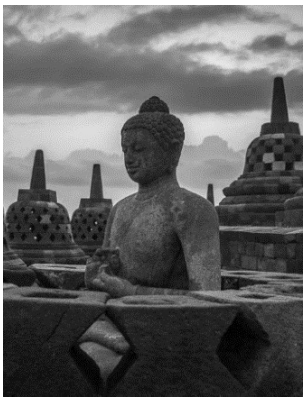
Why choose this subject?

Choose this subject if you are interested in learning about:			
• How the modern world came to be the way it is	• Why countries form friendships and rivalries	• How our understanding of the past is influenced by where and when we live	• How society may change in the future

Indonesian Units 1 to 4

What is it all about?

Learning other languages is an investment in personal growth. It fosters critical thinking, problem-solving, and deepens understanding of one's first language. Moreover, language study enhances cultural awareness and interpersonal skills. Indonesia is Australia's closest neighbour and one of the worlds' most populous countries, making it a country of great strategic importance to Australia. Learning Indonesian equips students to interact with this rapidly developing nation, especially during the 'Asian Century'. It strengthens ties between the two countries and boosts students' prospects for future study, work, and travel. Indonesia is rich in history, culture, and diversity, providing learners access to a fascinating world.



What will I learn?

Unit 1	Unit 2
• Visiting Indonesia • City and village lifestyles • Indonesian music	• Social media in Indonesia • Youth issues in Indonesia • Western influence in Indonesia
Unit 3	**Unit 4**
• Ceremonies and celebrations • Traditional belief systems in Indonesia • Stories from the past • Tourism and its impact	• Village life • Environmental issues in Indonesia • The role of women in Indonesia • Social issues in Indonesia

What types of things will I do?

• Informal conversation in small groups and with a Language Assistant • Role-plays	• Write articles, letters, emails short stories and reviews • Interact with the Indonesian-speaking community	• Comprehend and analyse written and spoken texts • Use technology to

What can this lead to?

A study of Indonesian provides knowledge and skills useful for a range of careers. These include:

• Airline services	• Dept. of Trade	• Federal Police	• Journalism
• Banking	• Education	• Hotel management	• Law
• Dept. of Defence	• Engineering	• International aid	• Medicine
• Dept. of Foreign Affairs	• Event management	• Importing/exporting	• Tourism

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Communicating in a second (or third) language	• Diverse cultures, traditions and ways of life	• Australia's relationship with Indonesia	• How language functions, including English, by comparison	• Exotic places to visit in the future

Legal Studies Units 1 to 4

What is it all about?

VCE Legal Studies examines the institutions and principles that are essential to the Australian legal system. Students develop an understanding of the rule of law, lawmakers, legal institutions, the relationship between the people and the Australian Constitution, the protection of rights in Australia, and the Victorian justice system.

Through applying knowledge of legal concepts and principles to a range of actual and / or hypothetical scenarios, students develop an ability to use legal reasoning to argue a case for or against a party in a civil or criminal matter. They develop an appreciation of the ability of people to actively seek to influence changes in the law and analyse both the extent to which our legal institutions are effective, and whether the Victorian justice system achieves the principles of justice. For the purposes of this study, the principles of justice are fairness, equality, and access.

What will I learn?

Unit 1: The presumption of innocence	Unit 2: Wrongs and rights
• Legal foundations • Proving guilt • Sanctions	• Civil liability • Remedies • Human rights
Unit 3: Rights and justice	**Unit 4: The people , the law reform**
• Victorian criminal justice system • Victorian civil justice system	• The people and the lawmakers • The people and reform

What types of things will I do?

• Go on excursions to the courts in Melbourne • Develop critical thinking and analysis skills	• Develop ability to apply legal concepts to various situations • Debate	• Talk to visiting speakers from the legal profession • Read and discuss interesting cases

What can this lead to?

• Barrister/Solicitor • Criminologist • Social Worker	• Conveyor • Court Office/Registrar • Police Officer	• Customs and border protection • Immigrations Officer

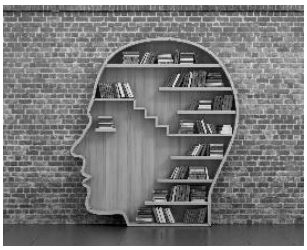
Why choose this subject?

Choose this subject if you are interested in learning about:				
• Famous court cases and crimes • What happens in court	• Our legal system and how laws are made	• Your legal rights • Constitutional rights	• How to argue logically	• Juries, judges and justice • Sentencing of offenders

Literature Units 1 to 4

What is it all about?

In Literature students undertake close reading of texts and analyse how language and literary elements function within a text. Literature enables students to examine the historical and cultural contexts of a text and its readers. Many of the classes are designed in a tutorial style in order for the text to be presented and discussed. This allows for stronger communication skills to be gained in preparation for further study. Students are encouraged to share their opinion and interpretations of what is read. They are able to engage with some of the most important literary minds of our past and present. Literature looks at the assumptions, views and values which both writer and reader bring to texts and it encourages students to contemplate how we read as well as what we read. It considers how literary criticism informs the readings of texts and the ways texts relate to their contexts and to each other.
Important: Literature meets the VCE English subject requirement.



What will I learn?

Unit 1: Approaches to literature	Unit 2: Context and connections
• About reading practices • Literary criticism (for example, feminist readings) • Exploring literary movements and genres	• How a text reflects a reader and its time • Voices of Country • Connections and comparisons between texts
Unit 3: Form and transformation	**Unit 4: Interpreting and creating texts**
• How a text is adapted and can change meaning (for example, from a novel/play to a film) • Developing interpretations	• How to closely analyse a text • How to share and support an interpretation • Creative responses to texts

What types of things will I do?

• Read a range of texts (novellas, poems, songs, plays, novels, films, biographies, comedies, tragedies, short stories) • Write about texts	• Write imaginative pieces inspired by a text • Small class discussions • Share opinions and interpretations	• Compare and contrast opinions and texts • Extend your vocabulary • Learn new approaches to writing

What can this lead to?

• Journalism, media and communications	• Law and politics
• Public relations	• Advertising and marketing
• Teaching	• Editing and publishing

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Responding to texts • How others present their world	• New and engaging styles of writing • Reading a range of texts	• Sharing an opinion or interpretation • Different writing styles	• New perspectives on texts • Drama and history through a text	• Building your own oral and written skills

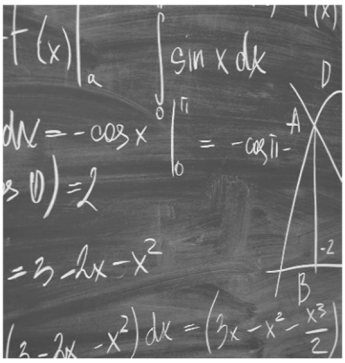
Mathematical Methods Units 1 to 4

What is it all about?

Mathematical Methods is a graphical and calculus-based subject. This subject is the study of functions, algebra, calculus, probability and statistics and their applications in a variety of practical and theoretical contexts. This is an extension of what has already been studied in Year 10 Maths M. The skills acquired from sketching linear and quadratics graphs (finding intercepts, gradients and turning points) will be extended in this subject to include sketching several distinct types of graphs. The algebra skills involved in solving equations will be expanded upon. A new topic called Calculus, which is the study of rates of change, will be introduced.

Units 1 and 2 can only be taken if you have studied Year 10 Maths M.

Units 3 and 4 can only be taken if you have studied Year 11 Mathematical Methods.



What will I learn?

Unit 1	Unit 2
• Introduction to functions and relations including notation • Study of quadratics, cubics, hyperbolas, trunci, circles and root functions • Study of exponentials and logarithms	• Circular functions $[\sin(x), \cos(x), \tan(x)]$ • Differentiation of polynomials (calculus) • Integration of polynomials (calculus) • Probability
Unit 3	**Unit 4**
• Functions, Relations and Graphs • Differential Calculus	• Integral Calculus • Probability and statistics

What types of things will I do?

• Learn the fundamental skills to graph a variety of equations • Learn advanced trigonometry related to the Unit Circle	• Learn advanced algebra techniques • Apply these skills to real-life situations	• Problem solve and analyse more advanced mathematics using a calculator to help

What can this lead to?

• Engineering	• Scientist
• Architecture	• Actuary
• Financial Planner	• Air Traffic Controller
• Insurance	• Statistician

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Calculus	• Advanced algebra	• Different types of equations	• Graphing	• Problem solving

Media Studies Units 1 to 4

What is it all about?

The media is ever-present in today's world. It entertains, teaches, informs, and shapes people's perception of their lives and the worlds in which they live. Stories in all their forms are at the heart of the media and its relationship with audiences. Representations of ideas, realities and imagination are constructed and deconstructed, remixed and reimagined with ever increasing technological sophistication, ease and speed to engage audiences. Developments in technologies have transformed media at a rapid pace. Audiences are consumers, users, creative and participatory producers and product. This has created a dramatic increase in communicative, cultural and creative possibilities. Students examine how and why the media constructs and reflects reality and how audiences engage with, consume, read, create and produce media products.

What will I learn?

Unit 1: Media forms, representations and Australian stories	**Unit 2: Narrative across media forms**
• Media representations • Media forms in production • Australian stories	• Narrative, style and genre • Narratives in production • Media and change
Unit 3: Media narratives and pre-production	**Unit 4: Media production and issues in the media**
• Narrative and their contexts • Research, development and experimentation • Pre-production planning	• Media production • Agency and control in and of the media

What types of things will I do?

• Directing • Cinematography • Lighting	• Sound design • Editing • Scripting	• Storyboarding • Graphic design • Photography

What can this lead to?

• Director • Producer • Cinematographer/Camera Operator • Sound Recordist/Engineer • Editor	• Scriptwriter • Graphic Designer • Journalist • Game Designer • Web Designer

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Film and television	• Games, animation and interactive media	• Photography and print design	• Communication and writing	• Marketing and social media

Philosophy Units 1 to 4

What is it all about?

Philosophy is the structured investigation of some of the deepest questions that confront us. It is ideal for those who ask 'why?' a lot – those who wonder about life, about right and wrong, about freedom, truth, beauty, and a thousand other things. It is for those who want to confront difficult questions and develop the skills required to make rational judgments about them. In VCE Philosophy, we grapple with the problems that lie at the core of existence, such as the nature of reality, the existence of God, and how consciousness comes to be. Studying Philosophy involves explicitly developing the habits of clarifying concepts, analysing problems, and constructing reasoned arguments. It is learning how to be clear and reasonable. Together, students reflect critically on their own thinking and that of others, which enables them to cultivate open-mindedness and develop a logical and coherent worldview.

What will I learn?

Unit 1: Existence, knowledge and reasoning	**Unit 2: Questions of value**
• What does it mean to say that we "know" something? • What is time? Does it even exist? • Should we trust science? • What are the arguments for the existence of God??	• Is pure altruism possible or are all acts essentiallybased on self-interest? • What should we care about? Why do we care? • What is beauty? What counts as "art"?
Unit 3: Minds, bodies and persons	**Unit 4: The good life**
• To what extent can the mind be known by the self and others? • What contemporary debates exist about the concepts of mind and body and their relationship?	• What is the role of happiness in a life well lived? • Is morality central to a good life? • What does an understanding of human naturetell us about what it is to live well?

What types of things will I do?

• Multimedia presentations • Vocalising your thoughts • Journal entries	• Reading academic texts • Collaborative discussion • Debating with others	• Analysing written pieces • Examining films • Assessing primary sources

What can this lead to?

• Journalist • Teacher • Data analyst	• University professor • Scientist • Detective	• Psychologist • Publisher • Health services administrator

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Whether an individual is the same person at 80 as they were at eight years old	• What it means for a human to live well • How pleasure and pain contribute to a good life	• Whether forces beyond our control determine everything we do • If inanimate objects have minds	• Whether the existence of suffering refutes the existence of God	• If the mind should be identified with the body

Physical Education Units 1 to 4

What is it all about?

Physical Education explores the complex interrelationships between anatomical, biomechanical, physiological and skill acquisition principles to understand their role in producing and refining movement, and examines behavioural, psychological, environmental and sociocultural influences on performance and participation in physical activity. Students participate in practical activities to examine the core concepts that underpin movement and that influence performance and participation in physical activity, sport and exercise.

What will I learn?

Unit 1: The human body in motion	Unit 2: Physical activity, sport and society
• Understanding how the musculoskeletal system works to produce movement • Understanding the cardiorespiratory system and how it functions at rest and exercise	• Relationships between physical activity, sport, health & society • Contemporary issues associated with physical activity and sport
Unit 3: Movement skills and energy for physical activity	**Unit 4: Training to improve performance**
• How are movement skills improved? • How the body produces energy	• The foundations of an effective training program • How is training implemented effectively to improve fitness

What types of things will I do?

• Analyse data • Multimedia presentations	• Case study analysis • Practical laboratory report	• Critical thinking • Structured questions

What can this lead to?

• PE/Health Teacher	• Dietetics
• Nursing and medicine	• Health sciences
• Sport Scientist	• Fitness Instructors/Personal Trainers
• Physiotherapist	• Sports Coach
• Osteopathy	• Massage Therapist
• Chiropractor	• Sports administration

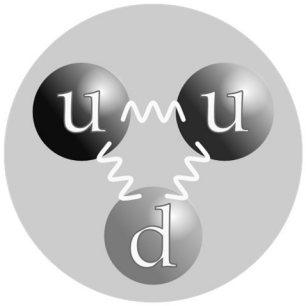
Why choose this subject?

Choose this subject if you are interested in learning about:				
• Fitness	• Human Body and exercise	• Training programs	• Health & physical activity	• Sports & skill acquisition

Physics Units 1 to 4

What is it all about?

Physics is the study of the laws of nature that govern the behaviour of the universe, from the very smallest scales of sub-atomic particles to the very largest scales of cosmology. It applies these laws to the solution of practical problems and to the development of new technologies. Physics is an intellectually challenging and rewarding subject. Its study instructs a person in the process of critical thinking, how to pose questions, how to solve problems, and how to test hypotheses in practical applications. Physics is at the heart of almost every facet of modern life. Physics provides training for a vast range of careers, where it is either employed directly, or where the skills can be applied in innovative ways to other fields.



What will I learn?

Unit 1: How is energy useful to society?	Unit 2: How does Physics help us to understand the world?
• Light and heat • Energy from the nucleus • Electricity	• Motion, forces and energy • Physics applications and issues in society • Student practical investigation
Unit 3: Motion and electricity	**Unit 4: Light and matter**
• Motion – projectiles, satellites and relativity • Electrical, magnetic and gravitational fields • Electric power – generation and transmission	• Waves and the behaviour of light • Theories of light and matter • Student practical investigation

What types of things will I do?

• Class demonstrations • Class experiments • Study computer simulations	• Analyse data • Student design investigations • Critical thinking	• Build mouse trap cars • Design electrical circuits • Solve complex problems

What can this lead to?

• Engineering (electrical, mechanical, aeronautical)	• Meteorology, environmental science
• Mining exploration and engineering	• Technical trades (electrician, refrigeration, etc.)
• Scientific research	• Architecture and building construction
• Medicine (including nuclear medicine, optometry)	• Sound engineering and acoustics

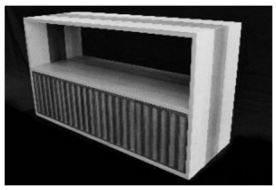
Why choose this subject?

Choose this subject if you are interested in learning about:				
• Why the universe is as it is	• How electrical devices (motors, generators) work	• Flight, satellites, rockets and space travel	• Using Maths to study forces, motion and energy	• Waves, light, sound and acoustics

Product Design & Technology Units 1 to 4

What is it all about?

In Product Design and Technologies, students are designer-makers who design solutions that are innovative and ethical. As designer-makers, they learn about the design industry, teamwork and the collaborative nature of teams, entrepreneurial activities, innovative technologies and enterprise. The development of designed solutions requires speculative, critical and creative thinking, problem-solving, numeracy, literacy, and technacy. Students safely and sustainably transform materials into products using a range of materials, tools and processes. In this study, students gain an understanding of both traditional and new and emerging materials, tools and processes. At the end of the process, they will be able to analyse, evaluate and critique the designed product, planning and production activities and explain the products design features.



What will I learn?

Unit 1: Design practices	Unit 2: Positive impacts for end users
• The product design process • How to write a design brief • Methods to support collaboration and teamwork, including use of digital technologies • Developing a different product with consideration of sustainability issues	• Factors that influence designing for positive impacts for end users • Use materials, tools and processes to safely make a product that supports positive impacts for end users in relation to belonging, access, usability and /or equity
Unit 3: Ethical product design and development	**Unit 4: Ethical production and evaluation**
• Sustainability frameworks and strategies in designing and manufacturing • investigate a need or opportunity that relates to ethics and formulate a design brief • work technologically to use research and design thinking techniques to generate, evaluate and critique graphical product concepts related to ethical design	• Collate, interpret and synthesise data to evaluate the success of a range of products • Devise and use methods to manage time and other resources effectively and efficiently to make a quality product • Record and report progress, and justify decisions and modifications • Safely apply production skills and processes

What types of things will I do?

• Design, plan, make and evaluate a product • Make creative functional three-dimensional products	• Use range of tools, machines, materials and processes and demonstrate technacy	• Develop critical and creative thinking, problem-solving, numeracy, literacy, and technacy

What can this lead to?

University and TAFE		**Careers and Trades**	
• Industrial Design	• Architecture	• Building and Construction	• Fashion
• Interior Design	• Engineering	• Jewellery	• Interior spaces and exhibitions
• Product Design	• Furniture Design	• Textiles	• Furniture making

Why choose this subject?

Choose this subject if you are interested in learning about:		
• Using creative thinking and problem-solving to design, make and evaluate a range of products	• Use both traditional and new and emerging materials, tools and processes for example, 3D printer and laser cutter.	• Apply project management techniques to ensure production is delivered according to budget and timelines

All of this contributes to the real-life industry relevance of this course.

Psychology Units 1 to 4

What is it all about?

Psychology is the study of the nature and development of mind and behaviour in both humans and animals. It involves the scientific study of human behaviour through biological, psychological and social perspectives and the application of this knowledge to personal and social circumstances. Students undertaking this subject can develop a deeper understanding of themselves and their relationships with others. They gain insights into a range of psychological health issues in society. Psychology provides the opportunity to engage in a variety of thinking and research approaches by undertaking research and practical investigations.

What will I learn?

Unit 1: How are behaviour and mental processes shaped?	**Unit 2: How do external factors influence behaviour and mental processes?**
• Influences on psychological development • Brain plasticity and brain injury • Research investigation	• Influences on individual and group behaviour • Influences on a person's perceptions • Practical investigation
Unit 3: How does experience affect behaviour and mental processes?	**Unit 4: How is well being developed and maintained?**
• Nervous system functioning • Stress: A biological and psychological process • Processes of learning and remembering	• Levels of consciousness • Sleep and wellbeing • Mental wellbeing • Practical investigation

What types of things will I do?

• Analyse and evaluate data: methods and scientific models • Collect and analyse experimental data	• Apply content to new situations • Scientific posters • Visual presentations • Media analysis/response	• Logbook activities • Communicate and explain scientific ideas • Topic tests

What can this lead to?

• Health sciences • Education • Audiologist • Criminology	• Law • Psychology/counselling • HR Manager • Social Worker

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Brain and nervous system structures and functions	• Development of individuals (emotional, cognitive, social)	• The scientific nature of learning, sleep, memory, etc.	• Mental health disorders and treatments	• The biological, psychological and social influences on behaviour

Religion & Society Units 1 to 4

What is it all about?

Religion and Society explores the origins of religion and its role in the development of society, identifying the nature and purpose of religion over time. It investigates the contribution of religion generally to the development of human society and the roleof religious traditions over time in shaping personal and group identity. We examine how society and religion influence each other, the factors that influence these roles and the effect that developments in society might have on religion. At times in history some religious traditions have lost the authority and power to explain crises for their society and have been abandoned; other religious traditions have adapted and been resilient or were re-established in a different form.

What will I learn?

Unit 1: The role of religion in society	Unit 2: Religion and ethics
• Explore the origins of religion • Discuss the nature and purpose of religion and explain the aspects of religion. • Discuss the changing roles and influence of religion in society • Discuss the presence of religion in Australia, past and present.	• Explain the variety of influences on ethical decision making and moral judgment • Explain how ethical perspectives and moral judgments are formed within at least two religious traditions • Explain two or more debates on ethical issues
Unit 3: The search for meaning	**Unit 4: Religion, challenge and change**
• Discuss and analyse the nature and purpose of religion and religious beliefs • Examine how beliefs and their expression in other aspects of religion are intended to respond to the search for meaning. • Discuss and analyse the interplay between religious beliefs and their expression through related aspects and significant life experience.	• Discuss, analyse and compare stances and supporting responses taken by religions as they are challenged • Discuss the interactions within a religious tradition or denomination and between a religious tradition or denomination and wider society in relation to a significant challenge, and examine the effects of these interactions.

What types of things will I do?

• Reports • Create a display • Identification exercises	• Analytical exercises • Critical thinking • Essays	• Case studies • Debates • View films

What can this lead to?

• Teaching • Research • Social sciences	• Bible and religious studies • Psychology • Community and policy development
•	•

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Why do I exist?	• Is God real?	• The factors that shape me	• Why and how do I make choices?	• Asking the big questions

Sociology Units 1 to 4

What is it all about?

Sociology focuses on the study of human behaviour and social interaction, which allows us to understand how societies are organised, develop and change. Students who study Sociology observe social patterns and group behaviour, which allows them to think critically about daily life and activities, as well as wider social issues from a sociological perspective. Sociology is for those who want to develop their social awareness and extend their capacity to contribute to contemporary debates. Students acquire valuable skills involved in social research, as they create surveys, collect data, conduct interviews, and engage in fieldwork. Thus, the study of Sociology can lead to work with minority and ethnic groups, as well as work in fields that address issues, such as crime and substance abuse, youth and family matters, industrial relations, social justice, and social issues related to health care.

What will I learn?

Unit 1: Youth and family	Unit 2: Social norms: breaking the code
• How being a teenager has changed over time • Why youth create subcultures (e.g., punks) • The diversity in family types • How feminism has influenced family life	• Various types of crime (e.g., victimless crime) • Australian data related to crime rates • Factors that lead people to commit crimes • The rationale and aims of punishment
Unit 3: Culture and ethnicity	**Unit 4: Community, social movements & social change**
• Australian Indigenous culture • Misconceptions about Indigenous Australians • What it means to have a dual ethnicity • Investigation of a specific ethnic group	• Why we have online communities now • How the experience of community can change • Why social movements arise (e.g., 'Me Too' movement) • How social movements bring about change

What types of things will I do?

• Interviewing others • Engaging in data analysis • Sharing your opinion	• Participating in debates • Investigating case studies • Conducting surveys	• Analysing films • Examining sources • Researching current issues

What can this lead to?

• Criminologist • Lawyer • Social worker	• Private investigator • Youth worker • Teacher	• Police or probation officer • Forensic psychologist • Mental health nurse

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Why people behave the way they do • How society changes over time	• The sociological concept of crime • The rationale and aims of punishment • Different types of crime	• Young offenders • The 'Me Too' movement • The 'Change the Date' campaign • LGBTQA+ youth	• Australian Indigenous culture • Social movements around the world • Migrant ethnicities	• Changing our world • Different ethnic groups • How to research effectively

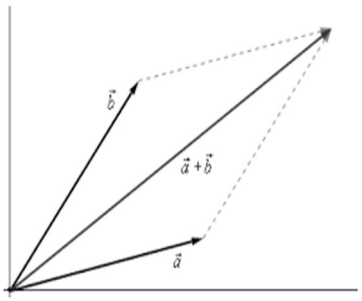
Specialist Mathematics Units 1 to 4

What is it all about?

Specialist Mathematics must be taken in conjunction with Mathematical Methods. It requires a solid mathematical foundation, especially in algebra. Specialist Mathematics is the study of advanced new mathematical techniques that most students would be unfamiliar with. These include the study of:

1) Vectors- quantities that have both a magnitude and a direction
2) Complex numbers which include imaginary numbers that are the used to solve the square roots of negative numbers
3) Mechanics/statics which look at forces acting on a body
4) Kinematics – the relationship between displacement (distance), velocity (speed) and acceleration.

Units 1 and 2 can only be taken if you have studied Year 10 Maths M.
Units 3 and 4 can only be taken if you have studied Year 11 Specialist



What will I learn?

Unit 1	Unit 2
• Introduction to vectors • Advanced algebra • Introduction to complex numbers • Advanced trigonometry	• Kinematics • Graphing reciprocal functions • Statics • Statistics
Unit 3	**Unit 4**
• Vectors • Circular functions • Differentiation • Integration • Differential equations	• Kinematics • Vector functions • Complex numbers • Mechanics • Probability and statistics

What types of things will I do?

• Learn new advanced mathematical skills including o Imaginary numbers o Vectors o Kinematics o Statics/mechanics	• Apply these skills to real life situations • Learn advanced algebra techniques	• Use the calculator to help problem solve and analyses more advanced mathematics

What can this lead to?

• Engineering	• Actuary Studies
• Mathematics studies	• Surveyor
• Architect	• Financial Broker

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Imaginary numbers	• Vectors	• Advanced algebra and calculus	• Mechanics	• Problem solving

Systems Engineering Units 1 to 4

What is it all about?

There are very few industries that are not dependent on engineers, whether it is Structural Engineers building bridges and tall buildings, Mechanical Engineers designing car engines, Electronic engineers designing all manner of products and equipment or Software Engineers designing apps to control, engineering plays a massive part in our everyday lives. Scientists may discover new knowledge, Architects may design fantastic buildings, but it is engineers who make it all happen. In Systems Engineering you will learn to apply engineering principles to a design and make solutions to range of everyday problems using mechanical, mechatronic (combining mechanisms with electronics) and computer control. Systems engineering is very much a 'Learn by doing' subject where you will use all the resources in the Technology area (workshop, 3D printing, laser cutting and computers) to apply the theory that you learn.

What will I learn?

Unit 1: Mechanical Systems	**Unit 2: Electrotechnological Systems**
• Fundamental mechanical principals • How mechanisms make things move • How to apply those principles to build a solution to a mechanical problem • To use technology to make and assemble parts for your solution	• Fundamental electrical and electronic principles • How to apply those principles in real life problems. • How to apply the 'Systems approach' to problem solving. • How electronics interface with mechanisms.
Unit 3: integrated and Controlled Systems	**Unit 4: Systems Control**
• How to apply fundamental physics and maths to solve engineering problems. • Calculate the expected outcomes of a Mechatronics system. • How to estimate, test and measure performance of an engineering system. • Clean Energy Technologies	• Manage an engineering project. • Design an integrated solution to a problem • The application of new and emerging technologies • The factors that drive technological change • Impacts of new and emerging technologies. •

What types of things will I do?

• Design, plan and make prototype solutions to everyday problems • Use emerging technologies	• Develop creative and critical design thinking methods • Problem solve	• Use range of tools, machines, materials and processes • Develop critical thinking skills

What can this lead to?

• University engineering courses • TAFE engineering courses	• Apprenticeships in Electrical and Mechanical trades	• Employment in Construction and Engineering industries. • Software development

Why choose this subject?

Choose this subject if you are interested in learning about:				
• How the 'Made world' works	• New practical skills	• Use new and emerging technologies	• Use different materials, machines, tools and equipment	• How to think creatively and learn to problem solve

Theatre Studies Units 1 to 4

What is it all about?

Theatre has been made and performed from the earliest times and is an integral part of all cultures. Theatre exists as entertainment, education, an agent for change, a representation of values and a window on society. In VCE Theatre Studies, students interpret playscripts and produce theatre for audiences. Through practical and theoretical engagement with playscripts from the pre- modern era to the present day, students gain an insight into the history and rich possibilities of playscript-based theatrical production and develop understanding and appreciation of the role and place of the practitioner in theatre. Theatre practitioners collaborate to develop, create and craft productions through research, contextualisation, visualisation and the application of stagecraft. Creating theatre develops skills applicable to a range of other industries.

What will I learn?

Unit 1: Pre-modern theatre	Unit 2: Modern theatre
• Pre-modern theatre • Interpreting playscripts • Analysing a play in performance	• Modern theatre • Interpretation through stagecraft • Analysing a play in performance
Unit 3: Playscript interpretation	**Unit 4: Performance interpretation**
• Production process • Theatrical interpretation • Production analysis	• Monologue interpretation • Scene interpretation • Production analysis

What types of things will I do?

• Acting • Lighting design • Costume design	• Make-up • Sound design • Set design	• Stage management/ administration and promotion • Experiencing theatrical productions by others

What can this lead to?

• Playwright / screenwriting • Acting • Directing • Researcher	• Designing • Technician • Managers • Administrators	• Sales / Marketing • Business / Law • Teaching • Public Speaking	• Communication /Journalism • Broadcasting • Therapy

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Understanding human behaviours and developing emotional intelligence	• Undertaking the creative processes through informed decision making, critical observation and innovation	• Developing leadership and communication skills	• Learning to communicate with different audiences through a variety of mediums and platforms	• Strengthening teamwork and self-discipline abilities while enhancing independence and resilience

VET Music Performance

What is it all about?

VET Music Industry Performance provides students with the practical skills and knowledge to perform, compose and develop their music industry knowledge and skills.
The course reflects the role of individuals within the music industry, teaching skills in musicianship, composition, technical production, music language and performance.

Important:

- **This is a two-year course taken in both Year 11 & 12 to attain competency for a Certificate III in Music Industry Performance.**
- **Performance pre-requisite:** Students have at least 2 to 3 years' experience playing and learning a musical instrument including voice and must be currently under-taking private instrumental music tuition within the school or externally.

What will I learn?

Year 11 Performance (Core Units)	Year 12 Music Performance (Core Units)
• Plan a career in the creative arts industry • Implement copyright arrangements • Work effectively in the music industry	• Develop technical skills in performance • Develop and maintain stagecraft skills • Develop and perform musical improvisations • Prepare for musical performances
Year 11 Music Performance (Elective Units)	**Year 12 Music Performance (Elective Units)**
• Develop and apply aural perception skills • Perform simple repertoire in ensembles • Make music demos • Compose simple musical compositions • Develop musical notation skills	• Perform music as part of a GROUP • Perform music as a SOLOIST

What can this lead to?

Music Industry Performance	
• Work as a professional musician as either a solo artist or within a group/ band • Working as a session musician for recordings • International/ National live performances and tours	• Composing songs for albums, TV or jingles • Preparation for tertiary study within Music, eg. Bachelor of Music, Bachelor of Music (Technical Production)

Why choose this subject?

Choose this subject if you are interested in learning about:			
• Extending your skills and technique on your instrument or voice • Working with other musicians to develop performances	• Composing own original songs • Developing your understanding of music language (notation, theory etc) • Learning how to improvise	• Live performances • Rehearsing music for performances • Developing stagecraft skills	• Experience learning how to use music technology at home and in the recording studio such as microphones, amplifiers,

VET Sport and Recreation Certificate III

What is it all about?

VCE VET Sport and Recreation provides students the opportunity to acquire and develop skills, knowledge and confidence to work in the areas of community and outdoor recreation. Leadership, organisational and specialist activity skills will be developed through theory and practical sessions.

Important:

- This is a two-year course taken in both Year 11 & 12.
- An administration fee of approximately $50 is payable for this subject via the Campion book list.

What will I learn?

Core Units (Year 11)	Core Units (Year 12)
• Organise personal work priorities and development and use business technology • Provide first aid • Participate in workplace health and safety • Use social media tools for collaboration and engagement • Conduct non-instructional sport, fitness or recreation sessions • Provide quality service • Respond to emergency situations • Provide and maintain equipment for activities	• Participate in WHS hazard identification, risk assessment and risk control • Conduct sport coaching with foundation level participants • Plan and conduct programs • Facilitate groups • Educate user groups

What can this lead to?

This course applies to individuals who work autonomously in a range of roles and settings in the sport, fitness or recreation industries. This includes program staff working in after-school or holiday-care programs, those assisting with coaching activities, or undertaking a support role in fitness activities, indoor and outdoor recreation activities such as camps and other guided activities.

Visual Communication Design Units 1 to 4

What is it all about?

This study largely focuses on resolving design problems that impact the lives of people, communities and societies. Visual Communication Design relies on drawing as the primary component to support the conception and visualisation of ideas. Consequently, the study emphasises the importance of developing a variety of drawing skills to visualise thinking and to present potential solutions. Students develop an appreciation of the design process to produce work for intended stakeholders. As young designers they consider what makes good design? This subject examines how visual communication is used across various fields of practice to design messages, objects, environments and interactive experiences. The opportunity to develop an informed, critical approach is highlighted with the study of sustainability. Students explore cultural ownership and the designer's ethical and legal responsibilities when drawing on knowledge and designs belonging to Indigenous communities. Students need to be highly motivated and passionate about art and design to explore, develop and refine ideas. A school licence for Adobe Creative is provided for at

What will I learn?

Unit 1: Finding and solving design problems	Unit 2: Design contexts and connections
• What makes good design? • Create visual language for a business or brand • Manipulation of design elements and principles • Designing sustainable objects • Design thinking	• Design for environments and interactive experiences • Ethical and legal responsibilities • Developing culturally appropriate design practices • Ownership and intellectual property laws • Designing interactive experiences
Unit 3: Design thinking and practice	**Unit 4: Delivering design solutions**
• Professional design practice • Research using divergent and convergent thinking • Analysing effective design • Creating a design brief	• Refine and resolve design concepts • Producing stakeholder ready designs • Pitching • Presenting design solutions

What types of things will I do?

• Observational and visualization drawings • Follow a design process • Technical drawing • Create final presentations	• Master skills using ICT • Use design process and design thinking strategies • Annotate/research • Produce packaging/products	• Consolidate drawing techniques • Write and respond to briefs • Problem-solve • Develop sustainable awareness • Produce a folio of work

What can this lead to?

• Architecture (interior, exterior or landscape) • UX Design • Graphic Designer • Photographer • Business and marketing • Industrial Designer	• Gaming design • Town/urban planning • Building and construction/project managing • Illustrator • Fashion/textile designer • Interactive Design

Why choose this subject?

Choose this subject if you are interested in:				
• Creative, critical, and reflective thinking	• Advertising and marketing	• Working in a sustainable world	• Pitching ideas and designing creative solutions	• Working on complex projects, problem solving

VET Business (Certificate II and III)

What is it all about?

VCE VET Business involves hands-on activities that allow students to interact with one another whilst attaining the knowledge and skills to achieve competencies necessary for work in business, administration and industry settings. This includes a combination of online programs, printed material and work placement.

Important:

- Certificate III is fully completed over 2 years. If you only complete 1 year you will receive a partial completion.
- An administration fee of approximately $100 is payable for each of these subjects via the Campion book list.

NOTE: In 2024 this subject is only available to VCE Vocational Major students.

What will I learn?

Year 11
• Assist with maintaining workplace safety • Use inclusive work practices • Design and produce spreadsheets • Create electronic presentations • Use digital technologies to communicate • Support personal wellbeing in the workplace • Apply critical thinking skills in a team environment • Participate in sustainable work practices
Year 12
• Organise personal work priorities • Organise workplace information • Design and produce business documents • Engage in workplace communication • Deliver and monitor a service to customers

What can this lead to?

• Business owner	• Legal services
• Human resource management	• Micro business
• Small business management	• Franchising
• Customer services	• Marketing

Why choose this subject?

Choose this subject if you are interested in learning about:				
• Administration	• Organisation	• Communication	• Interaction with people	• Computer work

VCE Vocational Major - Literacy Units 1 to 4

What is it all about?

This study focuses on

- developing everyday literacy skills through thinking, listening, speaking, reading, viewing, and writing to meet the demands of the workplace, the community, further study and life skills, needs and aspirations.
- participating in discussion, exploration and analysis of the purpose, audience and language of text types and content drawn from a range of local and global cultures.
- discussing and debating the ways in which values of workplace, community and person are represented in different texts.
- presenting ideas in a thoughtful and reasoned manner.

VM Literacy has been designed so that Units 1 and 2 can be undertaken as standalone units or concurrently. Units 3 and 4 may be undertaken sequentially.

What will I learn?

Unit 1:	**Unit 2:**
Area of Study 1: Literacy for personal use **Area of Study 2:** Understanding and creating digital texts	**Area of Study 1**: Understanding issues and voices **Area of Study 2**: Responding to opinions
Unit 3:	**Unit 4:**
Area of Study 1: Accessing and understanding informational, organisational and procedural texts **Area of Study 2**: Creating and responding to organisational, informational or procedural texts	**Area of Study 1**: Understanding and engaging with literacy for advocacy **Area of Study 2**: Speaking to advise or to advocate

What types of things will I do?

• Study a range of texts including print, visual and films chosen from a range of local and global perspectives • Creative responses	• Creative responses • Written tasks • Critical thinking and discussion	• Class activities, group work • Build and consolidate digital literacy skills • Oral presentations

What can this lead to?

- TAFE course
    - Apprenticeship or pre-apprenticeship
- Employment directly from school
- A university course is an option in the future, after completing a TAFE course e.g., a diploma

Why choose this subject?

Choose this subject if you are interested in learning about:		
Preparing for the workforce	A specific vocational area e.g., plumbing, childcare, health work, hairdressing, media, carpentry, hospitality	Considering attending TAFE, starting an apprenticeship or seeking employment straight after Year 12

VCE Vocational Major – Numeracy Unit 1 to 4

What is it all about?

VCE Vocational Major Numeracy focuses on:

- developing and enhancing numeracy practices to help make sense of personal, public and vocational lives
- developing mathematical skills with consideration of local, national and global environments and contexts, and an awareness and use of appropriate technologies.

VM Numeracy has been designed so that Units 1 and 2 can be undertaken as standalone units or concurrently. Units 3 and 4 may be undertaken sequentially.

What will I learn?

Unit 1:	**Unit 2:**
Area of Study 1: Number **Area of Study 2:** Shape **Area of Study 3**: Quantity and measures **Area of Study 4**: Responding to opinions	**Area of Study 5**: Dimension and direction **Area of Study 6:** Data **Area of Study 7**: Uncertainty **Area of Study 8**: Systematics
Unit 3:	**Unit 4:**
Area of Study 1: Number **Area of Study 2**: Shape **Area of Study 3:** Quantity and measures **Area of Study 4:** Relationships	**Area of Study 5**: Dimension and direction **Area of Study 6:** Data **Area of Study 7**: Uncertainty **Area of Study 8**: Systematics

Apply these skills to real life situations such as personal, financial, civic, health, recreational and vocational classifications. Problem solving formulating, acting on and mathematics; evaluating and reflecting; and communicating and reporting.

What types of things will I do?

• Number and quantity measurement • Shape, dimensions and directions • Data and chance	• the understanding and use of systems and processes • mathematical relationships and thinking	• mathematical knowledge applied to everyday tasks, daily routines and practices • extends to outside the immediate personal environment, such as the workplace and community

What can this lead to?

- TAFE course
  - Apprenticeship or pre-apprenticeship
- Employment directly from school
- A university course is an option in the future, after completing a TAFE course e.g., a diploma

Why choose this subject?

Choose this subject if you are interested in learning about:		
Preparing for the workforce	A specific vocational area e.g., plumbing, childcare, health work, hairdressing, media, carpentry, hospitality	Going to TAFE, starting an apprenticeship or seeking employment straight after Year 12

VCE Vocational Major – Personal Development Skills Unit 1 to 4

What is it all about?

Scope of study

VCE Vocational Major Personal Development Skills (PDS) focuses on health, wellbeing, community engagement and social sciences. Students will explore influences on identity, set and achieve personal goals, interact positively with diverse communities, and identify and respond to challenges and community needs.

VM Personal Development Skills has been designed so that Units 1 and 2 can be undertaken as standalone units or concurrently. Units 3 and 4 may be undertaken sequentially.

What will I learn?

Unit 1: Healty Individuals	Unit 2: Connecting with community
Area of Study 1: Personal identity and emotional intelligence **Area of Study 2:** Community health and wellbeing **Area of Study 3**: Promoting a healthy life	**Area of Study 1:** What is community? **Area of Study 2:** Community cohesion **Area of Study 3:** Engaging and supporting community
Unit 3: Leadershp and teamwork	**Unit 4: Community project**
Area of Study 1: Social awareness and interpersonal skills **Area of Study 2**: Effective leadership **Area of Study 3:** Effective teamwork	**Area of Study 1:** Planning a community project **Area of Study 2:** Implementing a community project **Area of Study 3:** Evaluating a community project

What types of things will I do?

• Community projects • Reflective journals • Discussion and debates	• Structured questions • Research tasks	• Interviews, performances, video, podcasts, and oral, visual and digital presentations

What can this lead to?

- TAFE course
    - Apprenticeship or pre-apprenticeship
- Employment directly from school
- A university course is an option in the future, after completing a TAFE course e.g., a diploma

Why choose this subject?

Choose this subject if you are interested in learning about:		
▪ Community projects ▪ Preparing for the workforce	A specific vocational area e.g., plumbing, childcare, health work, hairdressing, media, carpentry, hospitality	Going to TAFE, starting an apprenticeship or seeking employment straight after Year 12

VCE Vocational Major – Work Related Skills Unit 1 to 4

What is it all about?

VCE Vocational Major Work-Related Skills (WRS) focus is to:

- understand and apply concepts and terminology related to the workplace
- understand the complex and rapidly changing world of work and workplace environments and the impact on the individual
- understand the relationship between skills, knowledge, capabilities and the achievement of pathway goals
- develop effective communication skills to enable self-reflection and self-promotion
- apply skills and knowledge in a practical setting.

VM Work Related Skills has been designed so Units 1 and 2 can be undertaken as standalone units or concurrently. Units 3 and 4 must be undertaken as a sequence.

What will I learn?

Unit 1: Careers and learning for the future	Unit 2: Workplace skills and capabilities
Area of Study 1: Future careers **Area of Study 2:** Presentation of career and education goals	**Area of Study 1:** Skills and capabilities for employment and further education **Area of Study 2:** Transferable skills and capabilities
Unit 3: Industrial relations, workplace environment and practice	**Unit 4: Portfolio preparation and presentation**
Area of Study 1: Workplace wellbeing and personal accountability **Area of Study 2**: Workplace responsibilities and rights **Area of Study 3:** Communication and collaboration	**Area of Study 1:** Portfolio development **Area of Study 2:** Portfolio presentation

What types of things will I do?

• Employment research and collection of resources - Career action plan - Structured questions, quizzes, surveys, role plays or performance	• Reflective journals • Discussion, questions and debates • Research tasks - Record of data analysis	• Mock interviews - Video, podcasts, and oral, visual and digital presentations

What can this lead to?

- TAFE course
  - Apprenticeship or pre-apprenticeship
- Employment directly from school
- A university course is still an option in the future, after completing a TAFE course e.g., a diploma

Why choose this subject?

Choose this subject if you are interested in learning about:		
▪ Community projects ▪ Preparing for the workforce	A specific vocational area e.g., plumbing, childcare, health work, hairdressing, media, carpentry, hospitality	Going to TAFE, starting an apprenticeship or seeking employment straight after Year 12