



Brighton Secondary College

Year 11 Handbook 2017

School No. 7650



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Year 11 Programme 2017

Introduction

At Brighton Secondary College we offer a range of Senior Programs:

- VCE – Victorian Certificate of Education
- VET/ASBA – Vocational Education and Training/Australian School Based Apprenticeship or Traineeship

The selection of subjects should be based on student interest and aptitude with a view to future hopes, and the discipline to apply oneself.

There are 70 studies available in VCE, and those available at Brighton Secondary College are listed in its Handbook with an outline of each study and related assessments.

Over the two years of VCE, students must do

- English Units 1, 2, 3 and 4 (from English, EAL or Literature)
- Year 11, 2017 students must choose ENGLISH/EAL/LITERATURE
Plus
- Five other subjects, (including VET and any external language). A Unit 3/4 study may be chosen if Unit 1/2 of that study was satisfactorily completed in 2016.
- Students may include a VET study/Apprenticeship or Traineeship as part of their course.
- They may also study a language not offered by the College externally as part of their course.

Students who select Outdoor and Environmental Studies in their choices will be required to meet the conditions for selection outlined in the College's Outdoor Education Policy (see Page 27). This involves a compulsory meeting of parents/guardians prior to the completion of the course selection process.

VCE Acceleration for Year 11 Students

Highly performing and highly dedicated Year 10 students may be offered the opportunity to study one Unit 3 & 4 study as part of their Year 11 program. After consideration of students' performances in Semester 1, decisions will be made regarding offers. A small number of second round offers will be made prior to the commencement program for students who have performed at a consistently high standard during Semester 2.

Students will be selected on the basis of their performance in Year 10, where the end of semester report needs to show that in a particular subject the student is performing at an AusVELs level of 'A', and have obtained an attainment of 3 or 4 on the majority of the Non-routine capabilities and Life-long learning capabilities on the final process report for the semester. (English, Mathematics and LOTE KLA's will not be included in the process.)

STUDY and UNIT: Accounting Units 1 & 2

Description of Course Content

Unit 1 – Establishing and Operating a Service Business

- Basic accounting principles
- Reasons for establishing and types of small business
- Designing and using an appropriate accounting system for service businesses
- Identifying and recording cash receipts and payments
- Preparing Statement of Receipts & Payments, Income Statements, Balance Sheets & Budgets
- Sources of business finance including debt and risk analysis

Unit 2 – Accounting for a Trading Business

- Accounting for stock
- Accounting for credit transactions
- Balance Day Adjustments
- Cash Flow Statements
- Evaluating performance
- ICT in Accounting

Assessment of Unit

Unit 1 – Going into business.

Folio of tasks, SACs and exam

Unit 2 – Operating a business

Folio of tasks including a QuickBooks Premier task
Report on Evaluating the performance of an organisation.
SACs and exam

Relationship to further options

It is strongly recommended that students complete Units 1 & 2 before undertaking Units 3 & 4.

Why study this unit?

Career Opportunities

Accounting, marketing, small business ownership, law, journalism, real estate, insurance, banking and financial, computing, engineering, stock broking, teaching, community service and welfare work.

STUDY and UNIT: Australian and Global Politics Units 1 & 2

Description of Course Content

Unit 1: The National Citizen

Area of Study 1: Power, politics and democracy.

Students will investigate the nature of politics, examining the way individuals and groups gain and exercise political power, and asking what are most significant features of political practise in Australia. Students are introduced to politics and power in its broad sense as defined by the ability to exert influence over individuals and groups. This will be achieved through an analysis of contemporary issues and events, with students considering the impact of the Australian system of government and politics.

Area of Study 2: Exercising and challenging power.

Students will dive deeper into the philosophical underpinnings of politics, investigating why individuals become involved with organised political institutions, why political leaders appear to share similar aims, the major political ideologies, and the goals of some of the most significant political movements in Australia. Ideologies that motivate movements, groups and individuals that will be examined include: conservatism, liberalism, social democracy, socialism, libertarianism and fundamentalism.

Unit 2: The Global Citizen

Area of Study 1: Global threads.

Equipped with the knowledge of what it means to be a citizen of a nation, students will investigate the idea of the Global Citizen. Students will consider technological advances that have driven increased global interconnectedness and ask whether citizens have responsibilities beyond their national borders. Case studies on non-government organisations (NGOs) and global political movements, such as Amnesty International and WikiLeaks will be investigated. The involvement of transnational corporations (TNCs) in shaping political and human rights agendas will also be examined.

Area of Study 2: Global cooperation and conflict.

Students are asked to analyse and evaluate the existence and concept of an 'international community'. Students will assess the challenges that key global actors face in resolving armed conflict, diplomatic standoffs, and people movement. A range of global cooperative efforts will be evaluated, including 'The War on Terror' and the Kyoto Protocol.

Assessment of Unit

Australian and Global Politics is assessed through research reports, case studies, essays and oral presentations.

Relationship to further options

It is strongly recommended that you successfully complete Units 1 and 2 before undertaking Global Politics Units 3 and 4.

Why study this unit?

Australian and Global Politics will give students a broad understanding of the political forces that shape our world, which is important in a world where facts and fiction are often weaved together in the same sentence in the name of entertainment. In this course students are asked to develop the skills to accurately dissect political discourse and draw their own informed conclusions about the state of affairs both nationally and internationally. Australian and Global politics opens doors into fields as varied as journalism, diplomacy, international affairs, government, law, and education.

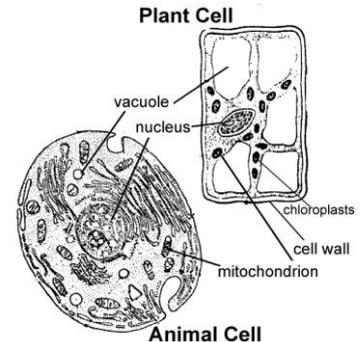
STUDY and UNIT: Biology Units 1 & 2

Description of Course Content

The biological sciences have brought about the complete mapping of the human genome, genetically modified food, in-vitro fertilisation, and stem cell research. Less mathematically based than physics or chemistry, biology is the science of life.

Unit 1: How do living things stay alive?

In this unit students are introduced to some of the challenges to an organism in sustaining life. Students analyze types of adaptations that enhance the organism's survival in a particular environment and consider the role homeostatic mechanisms play in maintaining the internal environment. They investigate how a diverse group of organisms form a living interconnected community that is adapted to, and utilizes, the abiotic resources of its habitat. Students consider how the planet's biodiversity is classified and the factors that affect the growth of a population.



Unit 2: How is continuity of life maintained?

In this unit students focus on cell reproduction and the transmission of biological information from generation to generation. Students explore the mechanisms of asexual and sexual reproductive strategies, and consider the advantages and disadvantages of these two types of reproduction. The role of stem cells in the differentiation, growth, repair and replacement of cells in humans is examined, and their potential use in medical therapies is considered. Students use chromosome theory and terminology from classical genetics to explain the inheritance of characteristics, analyze patterns of inheritance, interpret pedigree charts and predict outcomes of genetic crosses. They consider the role of genetic knowledge in decision making about the inheritance of genetic conditions.

Assessment of Unit

Practical reports, second hand data analysis, fieldwork reports, research, posters, media analyses tests and exams.

Relationship to further options

It is strongly recommended that students complete Units 1 & 2 before undertaking Units 3 & 4.

Why study this unit?

Biology helps us to understand healthy lifestyles, explanations given by medical professionals, the nutritional quality of food, and how to keep our gardens and pets healthy.

Biology is important to those who might be considering a career in a medical or veterinary field, agriculture, forest management, environmental science, animal management, management of a forest or marine park, and many other careers. A range of research opportunities are also available to those who choose to go on to do advanced studies in biology, zoology and botany, including honours, masters or doctoral degrees.

Careers that use biological knowledge include: Medical Scientist, Laboratory Supervisor, Laboratory Manager, Medical Technician, Research Assistant, Laboratory Assistant, Clinical technician Neurophysiologist, Ambulance Officer, Medical Representative, Myofascial Therapist, Drug Rehabilitation, Hospital Pharmacy Management, Retail Pharmacy, Naturopathy, homeopathy, traditional medicine, Biology Teacher, Scientific Representative, Wine Maker, Marine Ecology, Marine Biologist, Waste Management Officer, Recycling Biomedical Waste, Fitness Consultant, and Surf-Life Saving.

For more information about careers in biotechnology, go to <http://www.biotechnologyonline.gov.au/career/careers.html>

STUDY and UNIT: Business Management Units 1 & 2

Description of Course Content

Unit 1 - Small Business Management

- Characteristics and objectives of small, medium and large businesses
- Business and support services and a range of measures of business performance
- Business ethics and socially responsible management
- Major planning and decisions necessary at the commencement of a small business

Unit 2 - Communication and Management

- Participants in the business communication process
- A range of communication methods
- Effective methods and forms of communication including consideration of barriers/actions which limit/enhance communication
- Marketing functions
- Market research processes
- Key elements of a marketing plan
- Issues in marketing
- Public relations

Assessment of Unit

Will include a mix of the following:

- Case studies and Written reports
- Oral and Multi-media presentations
- Business surveys and analysis
- Preparation of a business plan

Relationship to further options

Provides a good foundation to Units 3 & 4, but is not a prerequisite.

Why study this unit?

Career Opportunities

Accounting, business consultant, marketing, small business ownership, human resource management, journalism, banking and financial, operations management, engineering, stock broking and teaching.

STUDY and UNIT: Chemistry Units 1 & 2

Description of Course Content

Chemistry explains why everything looks, acts and reacts the way it does. It is the study and the explanation of all things. With the basic building blocks of matter a plant or a bridge or whole universe can be created. Chemistry is a challenging course with lots of experimental investigations.

Unit 1: How can the diversity of materials be explained?

In this unit students investigate the chemical properties of a range of materials from metals and salts to polymers and nanomaterials. Students are introduced to quantitative concepts in chemistry including the mole concept. Throughout the unit students use chemistry terminology including symbols, formulas, chemical nomenclature and equations to represent and explain observations and data from experiments, and to discuss chemical phenomena.

Unit 2: What makes water such a unique chemical?

Water is the most widely used solvent on Earth. In this unit students explore the physical and chemical properties of water, the reactions that occur in water and various methods of water analysis. Students examine the polar nature of a water molecule and the intermolecular forces between water molecules. They explore the relationship between these bonding forces and the physical and chemical properties of water. In this context students investigate solubility, concentration, pH and reactions in water including precipitation, acid-base and redox. Students are introduced to stoichiometry and to analytical techniques and instrumental procedures, and apply these to determine concentrations of different species in water samples, including chemical contaminants. They use chemistry terminology including symbols, units, formulas and equations to represent and explain observations and data from experiments, and to discuss chemical phenomena. Students explore the solvent properties of water in a variety of contexts and analyse selected issues associated with substances dissolved in water.

Mathematics comes into this unit a lot. If you struggle with maths or if balancing an equation sounds like a magic trick to you, try biology or psychology instead.

Assessment of Unit

Assessment in Chemistry may involve a selection of the following: Annotations of a practical work folio of activities or investigations, a report of a practical activity or investigation, a modelling activity, media response, problem solving involving chemical concepts, skills and/or issues, a reflective learning journal/blog related to selected activities or in response to an issue, data analysis, a test comprising multiple choice and/or short answer and/or extended response, a report of a student-designed quantitative laboratory investigation.

Relationship to further options

It is strongly recommended that you successfully complete Units 1 & 2 before undertaking Units 3 & 4. This is important because most of Units 3 & 4 assumes you have a strong knowledge of the concepts introduced in Units 1 & 2.

Why study this unit?

Chemistry is a prerequisite for many courses in the biological sciences, physical sciences, medical sciences, and engineering. For example, in 2009, a study score of at least 35 in Units 3 & 4 Chemistry is listed as a requirement for entry to the new generation Bachelor of Biomedicine degree at the University of Melbourne; and at Monash University, a study score of at least 25 in Units 3 & 4 Chemistry is required to commence its Bachelor of Biomedicine course.

Knowledge of a specific field of chemistry is necessary for many careers. Those fields include, for example, Agricultural Chemistry, Analytical Chemistry, Biochemistry, Biotechnology, Chemistry Teacher, Chemical Engineering, Chemical Information Specialists, Chemical Sales, Chemical Technology, Colloid and Surface Chemistry, Consulting Consumer Product Chemistry, Environmental Chemistry, Food and Flavour Chemistry, Forensic Chemistry, Geochemistry, Hazardous Waste Management, Inorganic Chemistry, Materials Science, Medicinal Chemistry, Organic Chemistry, Oil and Petroleum Industry, Physical Chemistry, Polymer Chemistry, Pulp and Paper Chemistry, Research and Development Management, Science Writing, Textile Chemistry, and Water Chemistry.

STUDY and UNIT: Computing Units 1 & 2

Description of Course Content

In Unit 1 students focus on how data, information and networked digital systems can be used to meet a range of users' current and future needs. In Area of Study 1 students collect primary data when investigating an issue, practice or event and create a digital solution that graphically presents the findings of the investigation. In Area of Study 2 students examine the technical underpinnings of wireless and mobile networks, and security controls to protect stored and transmitted data, to design a network solution that meets an identified need or opportunity. They predict the impact on users if the network solution were implemented. In Area of Study 3 students acquire and apply their knowledge of information architecture and user interfaces, together with web authoring skills, when creating a website to present different viewpoints on a contemporary issue.

In Unit 2 students focus on data and how the application of computational, design and systems thinking skills support the creation of solutions that automate the processing of data. In Area of Study 1 students develop their computational thinking skills when using a programming or scripting language to create solutions. They engage in the design and development stages of the problem-solving methodology. In Area of Study 2 students develop a sound understanding of data and how a range of software tools can be used to extract data from large repositories and manipulate it to create visualisations that are clear, usable and attractive, and reduce the complexity of data. In Area of Study 3 students apply all stages of the problem-solving methodology to create a solution using database management software and explain how they are personally affected by their interactions with a database system.

Assessment of Unit

Unit 1:

Students will:

- acquire, secure and interpret data, and design and develop a graphic solution that communicates the findings of an investigation
- design a network with wireless capability that meets an identified need or opportunity, explain its configuration and predict risks and benefits for intended users.
- design and develop a website collaboratively with others that presents an analysis of a contemporary issue and the team's point of view on the issue.

Unit 2:

Students will:

- design working modules in response to solution requirements, and use a programming or scripting language to develop the modules
- apply the problem-solving methodology and use appropriate software tools to extract relevant data and create a data visualisation that meets a specified user's needs.
- apply the problem-solving methodology to create a solution using database management software, and explain the personal benefits and risks of interacting with a database.

Both units will have end of unit examinations which are reported separately.

Relationship to further options

Provides a good foundation for Units 3 and 4 Informatics and Units 3 & 4 Software Development, but it is not a prerequisite.

Why study this unit?

It may prepare students for future studies that require either an IT-related subject or for a vast range of careers that require efficient and effective use of IT.

STUDY and UNIT: Drama Units 1 & 2

Description of Course Content

Unit 1 – Dramatic Story Telling

This unit focuses on creating, presenting and analysing a devised performance that includes real or imagined characters, based on personal, cultural and/or community experiences and stories. Expressive skills are used in the creation and presentation of characters. Students learn about performance style, dramatic elements, stagecraft and theatrical conventions. Students will analyse their own performance work as well as a performance by professional and other drama practitioners.

Unit 2 – Non-naturalistic Australian Drama

The course focuses on the processes and creation of a performance based on a person, an event, an issue, a place, an art work, a text or an icon from a recent or historical Australian context, using Australia as inspiration. The process is important and the end product could be a solo or ensemble performance. A range of techniques and performance styles are used to develop subject matter. Performance skills are also developed. There is further understanding of theatrical conventions, dramatic elements and expressive skills. Students will analyse their own performance as well as a performance of an Australian work by other actors.

Assessment of Unit

Unit 1:

Creating a devised performance.

Presenting a devised performance and analysing that performance.

An analysis of a drama performance usually by a professional company.

Assessment will involve both practical and written responses.

Unit 2:

The creation of a performance using a range of stimulus material.

The documentation of the creation.

Presenting the above performance to an audience, including the effective use of dramatic elements, stagecraft and theatrical conventions.

Analysing a devised performance.

Analysing an Australian drama performance by professional drama practitioners.

Assessment could include an oral report, an essay, a written report, a multimedia presentation or structured questions.

Relationship to further options

Units 3 and 4 and Further Study

Why study this unit?

To assist with the development of confidence, creativity and problem solving, interpreting, researching, negotiating and decision making. Drama contributes to the understanding of expressive and clear communication skills, which are used in situations that deal with people, across a large range of occupations. Drama provides pathways into various performing arts studies, such as, acting, directing, production management and an appreciation of the aesthetics and design.

STUDY and UNIT: Economic Units 1 & 2

Description of Course Content

Unit 1 – The behaviour of consumers and businesses

- Identify basic economic problems of scarcity and the need for economic decision making
- Discuss the factors that influence the decision making of consumers and businesses
- The purpose of economic activity and the influence on material and non-material living standards
- The effect of technology on business behaviour
- The evolution of business and changing goals

Unit 2 – Contemporary economic issues

- The meaning of both long term economic prosperity and environmental sustainability
- Factors that might affect future growth such as an ageing population
- The difference between absolute poverty and relative poverty
- Causes of income inequality, unemployment and sovereign debt
- The challenges faced by developing nations in alleviating poverty
- Causes and implications of global inequality
- The effect of globalisation on relevant stakeholders

Assessment of Unit

Unit 1 – The behaviour of consumers and business

Analyses of written, visual and statistical evidence
Folio of tasks, SACs and exam

Unit 2 – Contemporary economic issues

Analyses of written, visual and statistical evidence
Folio of tasks, SACs and exam

Relationship to further options

It is strongly recommended that students complete Units 1 & 2 before undertaking Units 3 & 4.

Why study this unit?

Career Opportunities

Accounting, marketing, small business ownership, law, journalism, real estate, insurance, banking and financial, computing, engineering, stock broking, teaching, economist, statistician, Investment analyst and social research.

STUDY and UNIT:

English / English as an Additional Language (EAL) Units 1 and 2

Description of Course Content

The English language is central to the way in which students understand, critique and appreciate their world, and to the ways in which they participate socially, economically and culturally in Australian society. The study of English encourages the development of literate individuals capable of critical and imaginative thinking, aesthetic appreciation and creativity. The mastery of the key knowledge and skills in this subject underpins effective functioning in the contexts of study and work as well as productive participation in a democratic society in the twenty-first century.

The study of texts focuses on creating and analysing texts, understanding and interpreting texts, and moving beyond interpretation to reflection and critical analysis.

You will study of a range of texts, including novels, films, plays and the media.

This subject is designed to enable students to:

- extend their competence in using Standard Australian English to meet the demands of further study, the workplace, and their own needs and interests;
- extend their language skills through thinking, reading, writing, speaking and listening;
- communicate ideas, feelings, observations and information effectively, both orally and in writing, to a range of audiences;
- extend their competence in planning, reviewing and re-shaping content of print, and non-print texts to ensure accuracy, and coherence of form, language, purpose, audience and context;

Assessment of Unit

You will be assessed by coursework assignments which are written or presented in class, and examinations at the end of each semester.

Relationship to further options

Success in Units 1 and 2 leads to Units 3 and 4 of the study.

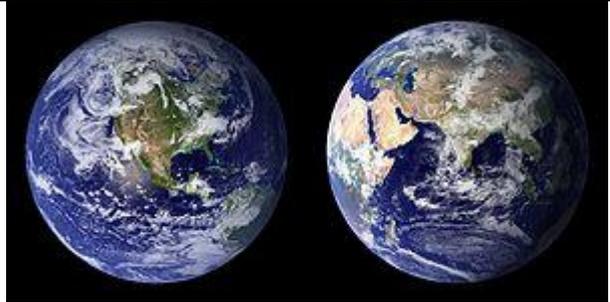
Why study this unit?

Your Study Score for entry to university must feature English/Literature as a component. Success in this Unit demonstrates a level of expertise in English which employers and higher education consider essential. A study score in English is often a prerequisite for a large percentage of University courses.

STUDY and UNIT: Environmental Science Units 1 & 2

Description of Course Content

VCE Environmental Science draws on three of the main branches of science: Biology, Chemistry and Physics. In this study, you will gain a deeper knowledge of those disciplines as you apply them to questions of environmental change and the impact of those changes on ecosystems and human life.



Unit 1: How are Earth's systems connected?

In this unit students examine Earth as a set of four interacting systems: the atmosphere, biosphere, hydrosphere and lithosphere. Students apply a systems perspective when exploring the physical requirements for life in terms of inputs and outputs, and consider the effects of natural and human-induced changes in ecosystems. They investigate the physical environment and its components, the function of local ecosystems and the interactions that occur in and between ecological components over different timescales. Students consider how the biotic and abiotic components of local ecosystems can be monitored and measured..

Unit 2: How can pollution be managed?

In this unit students explore the concept of pollution and associated impacts on Earth's four systems through global, national and local perspectives. They distinguish between wastes, contaminants and pollutants and examine the characteristics, measurement and management of pollution. They analyze the effects of pollutants on the health of humans and the environment over time. Students consider the rules for use, treatment and disposal of pollutants and evaluate the different perspectives of those who are affected by pollutants. They explore the significance of technology, government initiatives, communities and individuals in redressing the effects of pollutant and consider how values, beliefs and evidence affect environmental decision making.

Assessment of Unit

Assessment in Environmental Science may include the completion of practical reports, written reports, research tasks, models, posters, tests and exams.

Relationship to further options

It is strongly recommended that students complete Units 1 & 2 before undertaking Units 3 & 4 Environmental Science.

Why study this unit?

VCE Environmental Science is a good choice of study in Year 10 as it provides useful preparation for the later study of VCE Biology, Chemistry or Physics, Units 1 & 2. VCE Environmental Science is also a good choice of study for Year 11 students as a second science subject in that year.

The demand is increasing for professionals with the ability to understand, analyse and manage environmental issues and problems. In addition to important content knowledge and skills, you will also develop a range of other important skills, such as teamwork, analytical skills, and communication skills. Employers value those kinds of skills as much as content knowledge.

For those who go on to obtain tertiary qualifications in Environmental Science, work can be found in government, research institutes, forestry, museums, mining, conservation organisations, fisheries, agriculture, schools and universities, national parks, biotechnology companies, marine parks, environmental protection agencies, the water industry, infrastructure companies, ecotourism, electricity supply companies, port authorities, wind and solar energy companies, road and rail, intellectual property, engineering firms, and urban and regional planning.

STUDY and UNIT: Food and Technology Units 1 & 2

Description of Course Content

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. VCE Food Studies provides a framework for informed and confident food selection and food preparation within today's complex architecture of influences and choices.

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.

Structure

The study is made up of two units.

Unit 1: Food origins

Unit 2: Food makers

Unit 1 focuses on food from historical and cultural perspectives. Students investigate the origins and roles of food through time and across the world. In Area of Study 1 students explore how humanity has historically sourced its food, examining the general progression from hunter-gatherer to rural-based agriculture, to today's urban living and global trade in food. Students consider the origins and significance of food through inquiry into particular food-producing regions of the world.

In Area of Study 2 students focus on Australia. They look at Australian indigenous food prior to European settlement and how food patterns have changed since, particularly through the influence of food production processing and manufacturing industries and immigration. Students investigate cuisines that are part of Australia's culinary identity today and reflect on the concept of an Australian cuisine.

They consider the influence of technology and globalisation on food patterns. Throughout this unit students complete topical and contemporary practical tasks to enhance, demonstrate and share their learning with others.

In Unit 2 students investigate food systems in contemporary Australia. Area of Study 1 focuses on commercial food production industries, while Area of Study 2 looks at food production in small-scale domestic settings, as both a comparison and complement to commercial production. Students gain insight into the significance of food industries to the Australian economy and investigate the capacity of industry to provide safe, high-quality food that meets the needs of consumers.

Students use practical skills and knowledge to produce foods and consider a range of evaluation measures to compare their foods to commercial products. They consider the effective provision and preparation of food in the home, and analyse the benefits and challenges of developing and using practical food skills in daily life. In demonstrating their practical skills, students design new food products and adapt recipes to suit particular needs and circumstances. They consider the possible extension of their role as small-scale food producers by exploring potential entrepreneurial opportunities.

Assessment of Unit

Students are assessed in both practical and theory classes, selected from production reports, tests, multi-media presentations, written reports. Students complete an end of semester exam.

Relationship to further options

Units 1 and 2 lead to Units 3 and 4. Even though they are not a prerequisite, some of the skills and knowledge gained in them gives students a head start in Year 12. Food and Technology works in well with the VET hospitality course.

Why study this unit?

This study gives students a hands-on understanding of food and how to prepare a wide variety of foods for a variety of situations. It also gives students an understanding of food preparation, production and processing and helps them to improve their ability to prepare high quality foods.

STUDY and UNIT: French Units 1 & 2

Description of Course Content

In Units 1 and 2, French students will enhance their reading, listening, speaking and writing skills through the study of three main themes and topics:

- The individual
- The French-speaking communities
- The changing world

Unit 1:

- Teenagers' personal world
- Lifestyles in the French speaking societies
- Talking about the past and the future
- Social issues in France

Unit 2:

- The personal world
- Environment
- Arts and entertainment
- The world of work

Students will produce some of the following text types:

Advertisement, announcement, article, conversation, discussion, editorial, formal letter, informal letter, invitation, journal entry, leaflet, message, news item, note, personal profile, report, résumé, review, script for a speech, story.

Assessment of Unit

Unit 1:

An informal conversation or a reply to a personal letter/email.

Listen to spoken texts (i.e. Conversations, interviews, broadcasts) to obtain information to complete notes, charts or tables in French or English.

Read written texts (i.e. extracts, advertisements, letters) to obtain information to complete notes, charts or tables in French or English.

An oral presentation or review or article.

Unit 2:

A formal letter/email or role-play or interview.

Listen to spoken texts (i.e. conversations, interviews, broadcasts) and reorganise information and ideas in a different text type.

Read written texts (i.e. extracts, advertisements, letters) and reorganise information and ideas in a different text type
Journal entry or personal account or short story.

Relationship to further options

Unit 3 and 4 French

Why study this unit?

French VCE studies allow learners to gain more in-depth knowledge and understanding of the French culture and people. Studying French opens the door to employment in many European countries, as well as many countries throughout Southeast Asia and Africa. It also offers opportunities in travel, education, linguistics, interpreting, science, art and other related fields. Studying a language in general is proven to develop parts of the brain that enhance people's skills and memory.

STUDY and UNIT: Health and Human Development Units 1 & 2

Description of Course Content

Unit 1 –The Health and Development of Australia’s Youth

- Understanding health and development
- Youth health and development
- Health issues for Australia’s youth

Unit 2 – Child and Adulthood Health and Development

- Childhood Health and development
- Adult health and development
- Health issues for the Australian population

Assessment of Unit

- Case study analysis
- Data analysis
- Visual presentation
- Multimedia presentation, using more than two data types
- Oral presentation, such as debate or podcasts
- Blog
- Test
- Written response, such as a research assignment

Relationship to further options

Units 1 & 2 are not prerequisites for Units 3 & 4.

Why study this unit?

Health and human development enables students to investigate the dynamic influences on health and development across the lifespan. Students will develop the knowledge, attitudes, values and skills to become actively involved in shaping the influences that determine their own health and development, and the health of their local and national communities.

Career Opportunities

Nursing, dietician, teacher, health promotion officer, social worker, welfare officer, psychologist.

STUDY and UNIT: History – 20th Century Units 1 & 2

Description of Course Content

Unit 1 – 20th Century History 1900-1945

- Reason why World War I occurred
- Life in the trenches
- The rise of Hitler, the Nazi party and the Nazi movement
- Anti-Semitism
- The Holocaust
- Art during the Weimar Republic

Unit 2 – 20th Century History 1945 – 2000

- Communism versus Capitalism
- The Cold war
- The building and fall of the Berlin Wall
- The Korean War
- The Cuban Missile Crisis
- The space race
- The Vietnam War
- Movements of the People
- Terrorism in the 20th Century

Assessment of Unit

Unit 1 – 20th Century History 1900-1945

- An essay on how Nazism was dominant in the 1930's
- Oral presentation on a Holocaust survivor
- Short answer and document analysis on art in the Weimer Republic

Unit 2 – 20th Century History 1945-2000

A combination of short answer questions, tests and essays on:

- The Cold War 1945-63
- Oral presentation on a civil rights movement of students choice
- Terrorism in the 20th Century

Relationship to further options

Provides a good foundation to units 3 & 4, but is not a prerequisite.

Why study this unit?

Career Opportunities

Anthropologist, conservator, author, criminologist, cultural heritage officer, lawyer, journalist, historian, lecturer, multimedia developer, project manager, public relations, publisher, researcher, teacher, travel agent and tour operator.

STUDY and UNIT: Japanese Second Language Units 1 & 2

Description of Course Content

The areas of study for Japanese Second Language comprise themes and topics, grammar, text types, vocabulary and different kinds of writing. There are three prescribed themes:

1. The individual
 - Personal world, daily life, past and future
2. The Japanese-speaking communities
 - Visiting Japan, Life in Japan, Getting to know people in Japan
3. The changing world
 - The world of work, changes in daily life, home and neighbourhood

During Units 1 and 2, students will study several sub-topics relating to each of these topics, so that they become thoroughly familiar with the ideas and issues relating to them and also with the vocabulary and grammar needed to understand them and to speak and write about them.

Assessment of Unit

Unit 1:

Outcome 1. Establish and maintain a spoken exchange related to personal areas of experience.

Outcome 2.1. Listen to and obtain information from spoken texts (e.g. conversations, interviews, broadcasts) to complete notes, charts or tables in English.

Outcome 2.2. Read written texts (e.g. extracts, advertisements, letters) to obtain information to complete notes, charts or tables in English.

Outcome 3. Produce a personal written response focusing on a real or imaginary experience.

Unit 2:

Outcome 1. Participate in a spoken exchange related to making travel arrangements.

Outcome 2.1. Extract and use information and ideas from spoken texts to complete notes, charts or tables in English and Japanese.

Outcome 2.2. Extract and use information and ideas from spoken texts to complete notes, charts or tables in English and Japanese.

Outcome 3. Express a real or imaginary experience in written form.

Relationship to further options

Units 3 and 4 Japanese Second Language

Why study this unit?

Japan is a country with a fascinating language, culture and history. Studying the language and the culture as part of VCE studies broadens students' world view and enables them to better understand their own place in the world. Learning a language enhances students' logical and thinking skills and challenges them to develop communication skills which can open the world to them.

STUDY and UNIT: Legal Studies Units 1 & 2

Description of Course Content

Unit 1 – Criminal law and justice

- Criminal law
- Law making through Parliament
- General principles of criminal liability
- Reasons for a formal court hierarchy
- Procedures of the criminal investigation and trial
- Features of the adversary system of trial
- Court personnel and their role
- The role of the jury system in criminal cases and sanctions, sentencing and rights of victims

Unit 2 – Civil law and the law in focus

- Civil disputes
- The role of a formal court hierarchy in civil disputes
- Tort law and related defences
- Detailed investigation into an area of civil law (eg Family Law, Contract Law, Sport and the law, etc.)
- Pre-trial and trial procedures used in civil cases
- Role of the jury system in a civil case
- Civil remedies and their objectives
- Alternative methods of dispute resolution and analysis of legal rights and how individuals can influence change

Assessment of Unit

Will include a mix of the following: Case studies, mock script or role plays, essays and Tests, audio or visual presentation, folio and research reports and action plans and reports.

Relationship to further options

Provides a good foundation to units 3 & 4, but is not a prerequisite.

Why study this unit?

Career Opportunities

Lawyer, Court officer, law clerk, legal secretary, police officer, prison officer, teaching, marketing, accounting, community and welfare work.

STUDY and UNIT: Literature Units 1 and 2

Description of Course Content

This course is ideal for the keen, independent reader of fiction, who is able to write fluently and enjoys the close reading of fiction texts. The course involves intensive study of a range of challenging fiction, both from past and contemporary social and cultural contexts, and includes the close study of plays, novels, short stories, poetry and films.

This study is designed to enable students to:

- develop an enjoyment of literature through reading widely, imaginatively, critically and independently;
- gain an understanding of the variety of human experience;
- develop a critical awareness of cultures past and present, as they are represented in literature;
- read closely and engage in detailed critical analysis of the key literary features;
- develop interpretive skills and extend their understanding of the different ways literary texts are constructed;
- develop the capacity to write confident analytical and creative responses to texts.

Unit 1

This unit focuses on the ways literary texts represent human experience and the reading practices students develop to deepen their understanding of a text.

Unit 2

The focus of this unit is on students' critical and creative responses to texts. Students extend their exploration of the ideas and concerns of the text. They understand the ways their own culture and the cultures represented in the text can influence their interpretations and shape different meanings.

Assessment of Unit:

You will make personal, creative, critical and analytical responses to these texts, showing your understanding of character, language, structure and meaning of these texts.

You will be assessed by completing a variety of written responses to literature, and examinations at the end of each semester.

Relationship to further options

It is strongly recommended that you successfully complete Units 1 and 2 before undertaking Units 3 and 4 of the study.

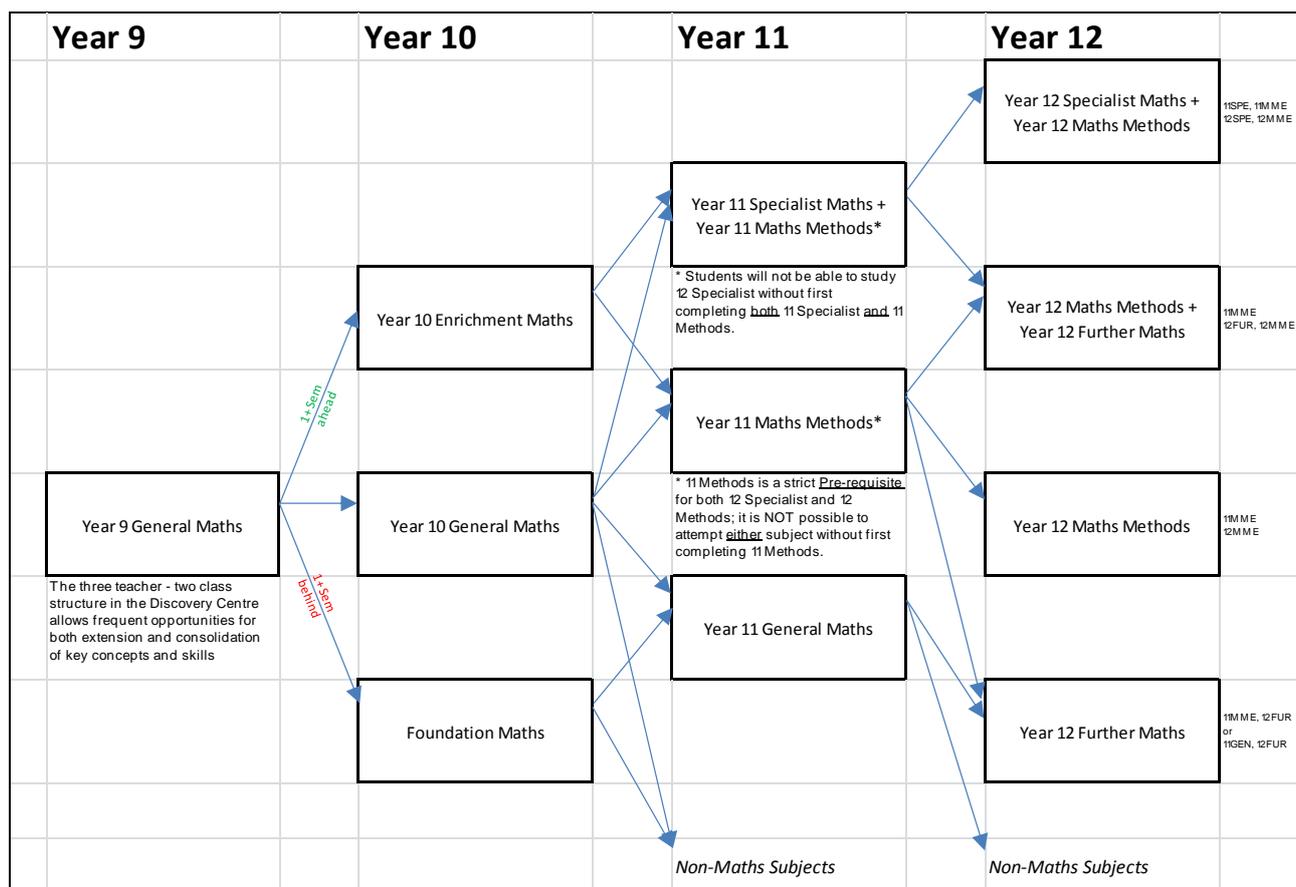
Why study this unit?

Your Study Score for entry to university must feature English/Literature as a component.

Success in this subject demonstrates a high level of expertise in close reading, analysis of language, and ability to express ideas fluently and cogently, which many employers and higher education consider very important. The independent reading and study needed for this course are evidence of self-reliance and personal motivation to succeed.

As Literature is a subject that builds strong written and communication skills, as well as critical thinking skills, it links well into fields such as the media, journalism, publishing, advertising, PR and education.

VCE MATHEMATICS OFFERINGS



Pre-requisites:

1. Year 11 Methods is a strict pre-requisite for both Year 12 Specialist and Year 12 Methods; it is NOT possible to attempt either subject without first completing Year 11 Methods.
2. Year 11 Specialist is a pre-requisite for Year 12 Specialist Mathematics. Students will not be able to study Year 12 Specialist without first completing both Specialist and Methods in Year 11.

F.A.Q.

I'm doing ok in Year 10 General Mathematics. Which Maths should I choose?

From Years 7 to 10 the Mathematics curriculum steadily increases in difficulty as it builds on previous skills.

Year 11 General Maths continues this gradual progression and is more difficult than Year 10 General. If you are coping well and working efficiently in Year 10 you could expect to achieve similar results in Year 11 General.

I'm doing well in Year 10 General Maths. Can I still do Year 11 Maths Methods without doing Enrichment?

Yes. All Year 10 Enrichment students are expected to study Year 11 Methods. However, the top performing Year 10 General Maths students, especially in the algebra topics, should certainly be completing extension activities and aiming to study Year 11 Methods.

I'm still not sure whether I should choose Mathematical Methods or not.

While Year 11 Methods is significantly more challenging than Year 11 General (especially in algebra) it does allow you to keep your options open. If you're at all undecided about your career path, it is possible to complete Year 11 Methods and drop down to Further Mathematics in Year 12. It is not possible to study Year 12 Methods or Year 12 Specialist Maths without first successfully completing Year 11 Methods (see above). Ask your Maths teacher if you're still unsure.

Can I study both Year 11 Specialist and Year 11 General Mathematics?

While possible under some circumstances, it is not recommended; it is much more common to combine Methods with Specialist, or Methods with General. Please speak to Ms Sentry or the Head of Mathematics if you are considering this.

I'm in Year 10 Enrichment. Should I study Year 11 Specialist if it is not one of my University pre-requisites?

If you are good at Mathematics and enjoy it, why not? Year 11 Specialist has a similar level of difficulty to Year 11 Methods, but covers different topics. If your plans might include Engineering, Computing, Mathematics or many Sciences you'll eventually need to learn most of this Mathematical content and more. Specialist Maths is a fascinating subject which teaches you to think outside the box. The problems will challenge you and the syllabus is deeply satisfying. If you're passionate about Maths you are likely to enjoy the Specialist course, and you can always select Methods in Year 12 if you aren't successful. Note: the difficulty level of Year 12 Specialist is quite high, even compared to Methods, and it's not a subject where it's possible to succeed without putting in a significant and sustained effort.

STUDY and UNIT: General Mathematics Unit 1 & 2

Description of Course Content

This study is designed to provide access to worthwhile and challenging mathematical learning in a way which takes into account the needs and aspirations of a wide range of students. It is also designed to promote students' awareness of the importance of mathematics in everyday life in a technological society, and confidence in making effective use of mathematical ideas, techniques and processes.

The areas of study will be selected from:

Unit 1 & 2:

- Algebra and structure
- Arithmetic and number
- Discrete mathematics
- Geometry, measurement and trigonometry
- Graphs of linear and non-linear relations
- Statistics

*Special Equipment:

CASIO ClassPad 330 CAS and Graphics Calculator

(This calculator is compulsory for all VCE Maths subjects offered at Brighton Secondary College.)

Assessment of Unit

Students will be assessed across three outcomes with class tests, application and analysis tasks. The use of technology will generally be imbedded in these tasks.

Outcome 1

- Define and explain key concepts as specified in the selected content from the areas of study, and apply a range of related mathematical routines and procedures.

Outcome 2

- Select and apply mathematical facts, concepts, models and techniques from the topics covered in the unit to investigate and analyse extended application problems in a range of contexts.

Outcome 3

- Select and use numerical, graphical, symbolic and statistical functionalities of technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem-solving, modelling or investigative techniques or approaches.

Relationship to further options:

General Mathematics is excellent preparation for students considering studying Further Mathematics 3 and 4. This subject also fulfils many University and TAFE Mathematics prerequisites. A pass in General Mathematics at Year 11 standard is looked at favourably by employers overall, and employers looking for new apprentices in particular.

Why study this unit?

Do you like Maths but don't necessarily want a career in Maths? Do you want to learn the real mathematics you'll use in your everyday life? Are you able to work with data and manipulate lists of numbers on a CAS Calculator? Do you like shapes, especially triangles? Do you know how to budget and the difference between borrowing and lending, a mortgage and an annuity? Do you think of yourself as a Humanities or Arts student but would still like to study one Mathematics subject at Year 11? Do you want the option of choosing Further Mathematics 3 & 4 in Year 12?

STUDY and UNIT: Mathematical Methods Units 1 & 2

Description of Course Content

This study is designed to provide access to worthwhile and challenging mathematical learning in a way which takes into account the needs and aspirations of a wide range of students. It is also designed to promote students' awareness of the importance of mathematics in everyday life in a technological society, and confidence in making effective use of mathematical ideas, techniques and processes.

Essential mathematical activities include calculating and computing, abstracting, conjecturing, proving, applying, investigating, modelling, and problem posing and solving.

Units 1 & 2:

- Functions and graphs
- Algebra
- Calculus
- Probability and Statistics

* Special Equipment:

Casio ClassPad 330 CAS and Graphics Calculator.

(This calculator is compulsory for all VCE Maths subjects offered at Brighton Secondary College.)

Assessment of Unit

Students will be assessed across three outcomes with class tests, application and analysis tasks. The use of technology will generally be imbedded in these tasks.

Outcome 1

- define and explain key concepts and apply a range of related mathematical routines and procedures.

Outcome 2

- apply mathematical processes in non-routine contexts, including situations requiring problem-solving, modelling or investigative techniques or approaches, and analyse and discuss these applications of mathematics.

Outcome 3

- use numerical, graphical, symbolic and statistical functionalities of technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem-solving, modelling or investigative techniques or approaches.

Relationship to further options

Mathematical Methods Units 1 & 2 provides a pathway to the Year 12 study of Mathematical Methods Units 3 & 4. It is also required (in addition to Specialist Units 1 & 2) for students wishing to undertake Specialist Maths Units 3 & 4.

Students are advised to carefully check which level of Mathematics will best suit their needs for any tertiary courses.

Why study this unit?

Is Maths one of your favourite subjects? Do you enjoy spending time figuring out tricky problems? Do you want to do serious mathematics in Year 12? Maths Methods is the subject for you! A successful study of Maths Methods at Year 11 (along with Specialist) will enable you to choose any of the Mathematics subjects offered at Year 12. For those keeping their options open or as a preparation for any level of Year 12 Maths, this subject is an excellent choice for students beginning their VCE studies.

STUDY and UNIT: Specialist Mathematics Unit 1 & 2

Description of Course Content

This study is designed to provide access to worthwhile and challenging mathematical learning in a way which takes into account the needs and aspirations of those students who intend to pursue careers involving a higher level of Mathematics.

The areas of study will be selected from:

Units 1 & 2:

- Algebra and structure
- Arithmetic and number
- Discrete mathematics
- Geometry, measurement and trigonometry
- Graphs of linear and non-linear relations
- Statistics

* Special Equipment:

Casio ClassPad 330 CAS and Graphics Calculator.

(This calculator is compulsory for all VCE Maths subjects offered at Brighton Secondary College.)

Assessment of Unit

Students will be assessed across three outcomes with class tests, application and analysis tasks. The use of technology will generally be imbedded in these tasks.

Outcome 1

- Define and explain key concepts in relation to the topics from the selected areas of study, and apply a range of related mathematical routines and procedures.

Outcome 2

- Apply mathematical processes in non-routine contexts, and analyse and discuss these applications of mathematics in at least three areas of study.

Outcome 3

- Use technology to produce results and carry out analysis in situations requiring problem-solving, modelling or investigative techniques or approaches in at least three areas of study.

Relationship to further options

This subject will open access to every VCE Mathematics pathway, as well as associated careers that require good mathematical skills. Specialist Mathematics Units 1 & 2 in conjunction with Mathematical Methods Units 1 & 2 provides the necessary background to study Specialist Mathematics Units 3 & 4.

Why study this unit?

Are you enjoying Year 10 Enrichment Mathematics? Are you looking for an opportunity to show how good you are at Mathematics? Do you wish to deepen your understanding of Mathematics in readiness for two fantastic years studying Mathematical Methods in Years 11 and 12? Do you wish to explore the more rigorous aspects of mathematical structure and proof? Do you wish to study Specialist Mathematics in Year 12?

Students would be expected to choose Specialist Maths Units 1 & 2 concurrently with Maths Methods Units 1 & 2.

STUDY and UNIT: Media Units 1 & 2

Description of Course Content

The Media Studies course introduces students to the basic concepts of the study of the media as well as allowing students to create their own media products. The main areas of study are Representation and Technologies of Representation, New Media, Media Production and the Australian Media Industry.

In these units students will analyse a range of media forms and study codes and conventions that relate to them.. Basic concepts of communication studies are investigated, recent and historical changes to the media are considered and issues relating to the Australian media industry are examined. Students also produce a range of media products based on their own research and analysis.

Assessment of Unit

There are various forms of assessment in Media Studies. Students will be given the opportunity to demonstrate their understanding of the key knowledge and skills through practical tasks such as the production of videos and magazines. Students will also complete written Assessment Tasks such as research reports, short answer questions and extended written responses. Production and Theory tasks are given roughly equal weighting. There is an exam at the end of both semesters.

Relationship to further options

Units 1 & 2 provide good knowledge and skills to move into Units 3 & 4 although they are not a compulsory prerequisite of Units 3 & 4, they are highly recommended..

Media Studies could be chosen to complement subjects such as Drama, Visual Communication, Studio Art and IT.

Why study this unit?

Media Studies teaches us the knowledge and skills to become active viewers and then creators of the media that surrounds our everyday lives. The practical components allow students to be creative and communicative while learning how to work towards a professional level of skill..

Studying Media leads directly into many careers including Journalism, Public Relations, Advertising, Marketing, Film and Television Production, Magazine Production and Radio Production.

Options for future study include University and TAFE courses such as Communications, Media, Journalism, Film-making Professional Writing and Editing and Animation.

STUDY and UNIT: Music Performance Units 1 & 2

Description of Course Content

The main focus of this study is to develop performance skills within a Group and Solo context. Students prepare contrasting works for performance and develop technical skills on their chosen instrument and/or voice. Students learn music language, theory and analysis to support the performance of their works.

Unit 1:

This unit focuses on building performance and musicianship skills. Students present performances of selected group and solo music works using one or more instruments.

Area of Study 1 - Performance:

This area of study focuses on knowledge and skills that students use to present musically engaging performances. Students prepare and present performances in a variety of contexts.

Area of Study 2 - Performance Technique:

On completion of this unit the student should be able to demonstrate instrumental techniques used in performance of selected works, demonstrate unprepared performance skills and describe influences on their approach to performance.

Area of Study 3 - Musicianship:

This area of study focuses on aural perception, music theory and analysis. Students study concepts in isolation and in the contexts of performing and listening. This approach develops students' general musicianship ability and enables them to apply their learning to rehearsal and performance.

Unit 2:

In this unit students build their performance and musicianship skills. They present performances of selected group and solo music works using one or more instruments.

Area of Study 1 - Performance:

In this area of study students develop knowledge and skills that are required to present music performances in a group and as a soloist. They develop their ability to present musically engaging performances in a variety of performance contexts.

Area of Study 2 - Performance Technique:

This area of study focuses on continuous development of techniques for group and solo performance.

Students systematically practice technical work and exercises to enhance their ability to realize the character and style of selected group and solo works.

Area of Study 3 - Musicianship:

In this area of study students build their knowledge and skills in music theory, aural comprehension and music analysis.

Area of Study 4 - Organization of Sound:

This area of study focuses on devising original work as a composition or an improvisation, inspired by analysis of music in selected works being prepared for performance.

Course requirements:

Students are expected to have had regular weekly lessons on an instrument, or voice, for at least three years and continue whilst undertaking VCE music. Students should have acquired basic theory and notation skills and are expected to have achieved AMEB Grade 3 theory or equivalent in order to graduate to Units 3 & 4.

Assessment of Unit

- Practical performance outcomes on chosen instrument(s)
- Written Outcomes or multimedia presentation
- Aural written exam
- Submission of composition folio

Relationship to further options

- Music Performance Units 3 & 4
- Music Investigation Units 3 & 4
- Bachelor of Music Performance
- Bachelor of Music
- Dip Ed Music

Why study this unit?

Career Opportunities: Professional musician, Songwriter/Composer, Music Producer, Sound Engineer, Music Therapist, Music Teacher, DJ/Radio Presenter

STUDY and UNIT: **Outdoor & Environmental Studies Units 3 & 4** **(For Year 11 students)**

Description of Course Content

Unit 3 - Relationships with natural environments

- Historical and current perspectives
- Interactions and relationships with the Australian environment as expressed by indigenous cultures
- The role of environmental movements in changing human relationships with Australian environments
- Technology and commercialisation of outdoor activities
- Risk taking behaviour in the outdoors

Unit 4 - The future of human-nature interactions

- Interacting with the environment through outdoor activities
- The impact of outdoor activities on the environment
- Conflicts of interest in the environment
- Actions taken to maintain a healthy environment
- Management strategies for sustainability

Assessment of Unit

- Outdoor activities and camps
- Case studies
- Written Reports
- Research Analysis
- Oral Presentation
- End of semester examination

Relationship to further options

Career Opportunities

P.E./Outdoor Education Teacher, Park Ranger, Recreation Officer, Outdoor Guide, Environmental Scientist, Environmental Research.

Why study this unit?

Outdoor Education is the study of how humans interact with the environment. In this study outdoor activities provide the means for students to develop experiential knowledge of environments. Students will then relate those outdoor experiences to the theory component of the subject. The study also focuses on human impacts on natural environments and nature's impact on humans, with a particular focus on outdoor recreation. Outdoor education also provides students with the skills and knowledge to safely participate in activities such as mountain biking, surfing, camping, bushwalking and cross-country skiing.

Brighton Secondary College Outdoor Education Studies Student Selection Policy

Rationale

Outdoor education studies involve students participating in a variety of activities in a range of environments, of which both are inherently more dangerous than studies conducted at school. College staff are often in remote locations in which physical support is less able to be provided to them and the students in their charge if it is needed. Furthermore, the potential consequences of students not correctly following instructions, or behaving in a thoughtless or inconsiderate manner are in the most serious risk category. Because risk analysis is required before many components of these studies can be completed, and because student conduct and attitude themselves constitute a significant factor in this analysis, this policy is designed to outline a process by which students are selected to complete outdoor education studies.

Definition

Outdoor education studies currently at Brighton Secondary College comprises, Outdoor Education and Advance (incorporating Outdoor Education) at Year 10, and VCE units 3/4 Outdoor and Environmental Studies.

Policy

- Students will apply to be enrolled into Outdoor Education studies and will only be accepted into the subject if they meet the criteria outlined in the policy
- Unsuccessful applicants may appeal the decision by writing to the Assistant Principal, Senior School
- Applicants for VCE units 3/4 Outdoor and Environmental Studies are deemed to have met the requirements for selection if they have been previously accepted into either of the Year 10 Outdoor Education studies **and** demonstrated appropriate work habits for that study
- Parents/Guardians of applicants for VCE Units 3/4 Outdoor and Environmental Studies will attend a compulsory meeting

Applicants will be deemed suitable if they meet the following criteria

- Their work habits, that is, behaviour, effort and meeting deadlines, are assessed as “very good” or “excellent” on their Physical and Health Education end of semester report
- They receive a favourable assessment of their behaviour from their year level co-ordinator

If more applicants that meet the criteria above exist than there are spaces available, students will be selected according to the following criteria:

- Submission of application on time
- Previous completion of Outdoor Education studies including their level of performance
- External references (eg from Scouts/Guides groups)

OUTDOOR AND ENVIRONMENTAL STUDIES APPLICATION

Units 3 & 4

(return to Senior School with preference sheet)

NAME: _____

Why do you want to do this subject?

What do you hope to achieve from this subject?

What have you done in the past that you believe will help you with this subject? How?

How will you manage your time and work load for other subjects when preparing for and attending the camps involved in this subject?

Below is a list of the possible activities undertaken throughout OES at Brighton S.C.

Circle your top 3 interest areas

Biking	Coast care	Kayaking	Swimming
Bushwalking	Cross country skiing	Mountain biking	Surfing
Camp cooking	Bird watching	Park analysis	Water quality analysis
Camping	Hiking	Salinity analysis	Wildlife watching/analysis
Canoeing	Horse riding	Snorkelling	

Recommendation from a teacher of a practical subject who has taught you this year:

This is a recommendation stating you are a student who can follow instructions and participate in an appropriate manner during practical classes, where safety and enjoyment for other participants is pivotal.

Teacher: _____

Year Level Co-ordinator Approval:

Has this student been involved in any misconduct this year which would demonstrate a concern about his/her ability to participate appropriately and follow instructions when out of school grounds on excursions or camps? Please give any details which may be applicable.

NOTE: All practical sessions are a part of the course and are compulsory. If you cannot attend, you must supply a medical certificate. If you are at school on the day of a practical, you will be expected to attend and participate appropriately. Should theory work for this subject not be up to date when a practical class is scheduled, you will be excluded, and additional theory work will be completed in lieu of the practical.

I agree that I have read, and discussed the contents with my son/daughter.

Student Signature: _____

Parent/Guardian Name: _____

Parent/Guardian Signature: _____

**This form must be completed and returned to Senior School
with your preference sheet by the due date.**

STUDY and UNIT: Physical Education Units 1 & 2

Description of Course Content

Unit 1 – The Human body in motion

Area of Study 1 - How does the musculoskeletal system work to produce movement?

In this area of study students examine the musculoskeletal system of the human body and how the muscles and bones work together to produce movement. Through practical activities they explore the major components of the musculoskeletal system and their contributions and interactions during physical activity, sport and exercise.

Area of Study 2 – How does the cardiorespiratory system function at rest and during physical activity?

In this area of study students examine the cardiovascular and respiratory systems of the human body and how the heart, blood vessels and lungs function at rest and during physical activity. Through practical activities students explore the structure and function of the cardiorespiratory system and their contributions and interactions during physical activity, sport and exercise.

Unit 2 – Physical activity, sport and society

Area of Study 1- What are the relationships between physical activity, sport, health and society?

In this area of study students focus on the role of physical activity, sport and society in developing and promoting healthy lifestyles and participation in physical activity across the lifespan. Students explore the social, cultural and historical influences on participation in various forms of physical activity, including sport. They investigate at the individual and population levels the physical, social, mental and emotional benefits of participation in regular physical activity and the potential negative physical, social, mental and emotional consequences of physical inactivity and sedentary behaviour, including hypokinetic diseases such as Type 2 diabetes and obesity.

Area of Study 2 – What are the contemporary issues associated with physical activity and sport?

In this area of study student's focus on a range of contemporary issues associated with physical activity and/or sport at the local, national and global level. They investigate in detail one issue relevant to physical activity and/or sport. Possible issues suitable for investigation include declining levels of physical activity across the lifespan, active transport, gender equity in physical activity and sport, cultural diversity and inclusion in physical activity, risk management and safety in physical activity and sport, children competitive sport, the community and recreation, access to physical activity for population groups such as children, rural and remote communities, cultural groups, Aboriginal and Torres Strait Islanders and people with disabilities.

Assessment of Unit

- Written reports
- Laboratories
- Data analysis
- Case studies
- Multimedia presentation
- Oral presentation
- End of semester examination

Relationship to further options

Provides a good foundation to units 3 & 4, but not a prerequisite.

Why study this unit?

Physical Education examines the biological, physiological, psychological, social and cultural influences on performance and participation in physical activity. Students will analyse the processes associated with skill development and biomechanical principles, thereby providing opportunities to reflect on factors that affect performance and participation, as well as improve their own performance.

Career Opportunities

Physiotherapy, nursing, teaching, coaching, fitness instructor, personal trainer, sports scientist, sports person, recreation officer.

STUDY and UNIT: Physics Units 1 & 2

Description of Course Content

Physics concerns the smallest sub-atomic particles through to the largest galaxies. Physics relies heavily on mathematics and includes the study of the fundamental particles that make up all matter.

Unit 1: What ideas explain the physical world?

Ideas in physics are dynamic. As physics explore concepts, theories evolve. Often this requires the detection, description and explanation of things that cannot be seen. In this unit students explore how physics explains phenomena, at various scales, which are not always visible to the unaided human eye. They examine some of the fundamental ideas and models used by physicists in an attempt to understand and explain the world. Students consider thermal concepts by investigating heat, probe common analogies used to explain electricity and consider the origins and formation of matter.

Unit 2: What do experiments reveal about the physical world?

In this unit, students explore the power of experiments in developing models and theories. They investigate a variety of phenomena by making their own observations and generating questions, which in turn lead to experiments. Students make direct observations of physics phenomena and examine the ways in which phenomena that may not be directly observable can be explored through indirect observations.

In the core component of this unit students investigate the ways in which forces are involved both in moving objects and in keeping objects stationary. Students choose one of twelve options related to astrology, astrophysics, bioelectricity, biomechanics, electronics, flight, medical physics, nuclear energy, nuclear physics, optics, sound and sport science. The option enables students to pursue an area of interest by investigating a selected question.

If you fear numbers and have no idea what a mathematical formula is, do not study physics.

Assessment of Unit

Assessment may consist of annotated folios of practical activities, data analysis, device design and construction, reports, modelling activities, media responses, summary practical reports, reflective writing, tests and exams.

Relationship to further options

It is *strongly* recommended that students complete Physics Units 1 & 2 and Mathematical Methods Units 1 & 2 before undertaking Physics Units 3 & 4.

Physics Units 3 & 4 assumes that students have a strong knowledge of those two units. If you have not successfully completed them prior to enrolling in Physics Units 3 & 4, your workload is likely to be double that required of the other students as you work to fill in gaps in your knowledge.

Why study this unit?

Physics is listed as a prerequisite for many tertiary courses, together with or as an alternative to Mathematical Methods, Specialist Mathematics, Biology or Chemistry. It provides preparation for future studies in Engineering, Physical Sciences or related fields.

Some jobs can become available after completing Year 12 if you have successfully completed VCE Physics and Mathematics. With these subjects, you do not necessarily have to complete a university degree to enter a worthwhile career.

STUDY and UNIT: Product Design and Technology (Textiles) Units 1 & 2

Description of Course Content

There are two outcomes for both Units 1 and 2.

Unit 1

Outcome 1: Students gain an understanding of the design process by producing a folio based on the modification of an already existing design. Students create their own design brief, evaluation criteria and production plan. They also develop fashion illustrations and research to coincide with their final garment.

Outcome 2: Using sewing machines and hand sewing, students construct their garment designed in Outcome 1. During this process, students assess the risks associated with the production of their garment and techniques of how to safely and effectively prevent and avoid injuries. On the completion of their item, students evaluate their process and final garment according to their evaluation criteria created in Outcome 1.

Unit 2

Outcome 1: Students work within a group to create a team design brief, evaluation criteria and production plan. They can choose to create a garment independently or as a team according to their group's design brief. Students develop fashion illustrations, research and peer evaluations to coincide with their final garment.

Outcome 2: Using sewing machines and hand sewing, students construct their garment designed in Outcome 1. During this process, students assess the risks associated with the production of their garment and techniques of how to safely and effectively prevent and avoid injuries. On the completion of their item, students evaluate their process and final garment using an in depth evaluation report.

It is strongly recommended that students have completed Years 9 & 10 Textiles as a foundation for this course.

Assessment of Unit

1. Units 1 & 2 Outcome 1 - Folio
2. Units 1 & 2 Outcome 2 – Production and Final Garment
3. Exam (Units 1 and 2)

Relationship to further options

- Unit 3/4 of the study and post VCE
- Fashion design
- Textile design

Why study this unit?

To form the basis for a career in one or more of any of the following

- Fashion design
- Fashion editorial
- Fashion merchandising
- Textile design
- Fashion stylist

STUDY and UNIT: Product Design and Technology (Wood) Units 1 & 2

Description of Course Content

Unit 1: Materials, Processes and Design

The 3 main areas of study are:

- Properties and uses of materials
- Methods of communicating ideas
- Production processes.

Unit 2: Parameters of Design

The 3 main areas of study are:

- Design considerations and constraints
- Materials in design, development
- Design and realisation

Assessment of Unit

Assessment is in the form of folio work, short tests, assignments and the completion of a practical product.

Relationship to further options

There are no pre-requisites for Units 3 and 4 Design Technology. However, it would be preferable for students to have chosen Units 1 and 2 before attempting Units 3 and 4.

Students who chose Design Technology may also wish to choose Visual Communication and Design to compliment the design aspects of the course and further strengthen those skills.

Why study this unit?

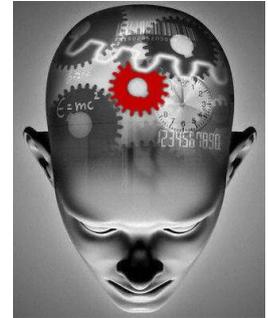
Students who enjoy drawing, designing and making would benefit from this course. Post VCE options include Industrial design, interior design, visual communication, cabinet making, builder etc.

STUDY and UNIT: Psychology Units 1 & 2

Description of Course Content

Psychology is the study of behaviour. It gives an insight into brain function and structure, and how humans grow, learn, develop and ultimately behave. Some of you will already have had the opportunity to study Unit 1 and 2 Psychology at Year 10, and the chance to complete a Year 12 subject a year early is too important to miss. For others, Psychology offers an understanding of those around us and ourselves.

There are many aspects of the Psychology course that are based in the biology of the body, and particularly the brain, but the analytical approach makes this a truly different science.



Unit 1: How are behaviour and mental processes shaped?

Human development involves changes in thoughts, feelings and behaviours. In this unit students investigate the structure and functioning of the human brain and the role it plays in the overall functioning of the human nervous system. Students explore brain plasticity and the influence that brain damage may have on a person's psychological functioning. They consider the complex nature of psychological development, including situations where psychological development may not occur as expected. Students examine the contribution that classical and contemporary studies have made to an understanding of the human brain and its functions, and to the development of different psychological models and theories used to predict and explain the development of thoughts, feelings and behaviours.

Unit 2: How do external factors influence behaviour and mental processes?

A person's thoughts, feeling and behaviours are influenced by a variety of biological, psychological and social factors. In this unit students investigate how perception of stimuli enables a person to interact with the world around them and how their perception of stimuli can be distorted. They evaluate the role social cognition plays in a person's attitudes, perception of themselves and relationships with others. Students explore a variety of factors and contexts that can influence the behaviour of an individual and groups. They examine the contribution that classical and contemporary research has made to the understanding of human perception and why individuals and groups behave in specific ways.

Assessment of Unit

Assessment may include a report of a practical activity involving the collection of primary data, a research investigation involving the collection of secondary data, a logbook of practical activities, analysis of data/results including generalisations/conclusions, media analysis/response, problem solving involving psychological concepts, skills and/or issues, A test comprising multiple choice and/or short answer and/or extended response, a reflective learning journal/blog related to selected activities or in response to an issue, a report of an investigation into internal and/or external influences on behaviour.

Relationship to further options

Units 3 and 4 Psychology

Why study this unit?

Psychology is a good companion to Biology and Health and Human Development. It provides a helpful introduction to Psychology for those who go on to study the subject at tertiary level.

Psychology is relevant to careers such as Counselling Psychology, Clinical Psychology, Clinical Neuropsychology, Community Psychology, Educational and Developmental Psychology, Forensic Psychology, Health Psychology, Organisational Psychologists, Academic Psychologists, and Sport Psychologists.

Psychology also provides useful general knowledge about stress management, child development, human relationships, people management and learning. This knowledge is relevant to any career and can help us to maintain healthy lifestyles.

STUDY and UNIT: Studio Arts Units 1 & 2

Description of Course Content

Unit 1: Artistic Inspiration and Techniques

This unit focuses on using sources of inspiration and individual ideas as the basis for developing artworks and exploring a wide range of materials and techniques as tools for communicating ideas through artmaking. Students explore and research the ways in which artists from different times and cultures have interpreted and expressed ideas.

Area of Study 1: Developing Art Ideas

Outcome 1: On completion of this unit, the students should be able to source inspiration, identify individual ideas and use a variety of methods to translate these into visual language.

Area of Study 2: Materials and Techniques

Outcome 2: On completion of this unit, the student should be able to explore and use a variety of materials and techniques to support and record the development of individual ideas to produce artworks.

Area of Study 3: Interpretation of Art Ideas and Use of Materials and Techniques

On completion of this unit, the student should be able to discuss how artists from different times and cultures have interpreted sources of inspiration and used materials and techniques in the production of artworks.

Unit 2: Design Exploration and Concepts

Area of Study 1: Design Exploration

Outcome 1: Design Exploration And Concepts

On completion of this unit, the student should be able to develop an individual design process, including visual research and inquiry, in order to produce a variety of design explorations to create a number of artworks.

Area of Study 2: Ideas and Styles in Artworks

Outcome 2: Design Aesthetics

On completion of this unit, the student should be able to analyse and discuss the ways in which artists from different times and cultures have created aesthetic qualities in artworks, communicated ideas and developed styles.

Assessment of Unit

Unit 1:

- A selection of exploratory work showing sources of ideas and inspiration translated into visual form through the use of variety of materials and techniques
- Minimum 2 finished artworks
- Short answer responses

Unit 2:

- A folio including design explorations and artworks
- Minimum 2 finished artworks
- Short answer responses

Relationship to further options

Units 3 and 4 of Studio Arts

University / TAFE study in various courses

Why study these units?

If you are interested in:

Fine Art, Art Education, Architecture, Art Therapy, Photography, Art History, Graphic Design, Gallery Direction, Illustration, Museum Curator, Animation, Art Conservation, Interior Design, Product Design, Industrial Design, Fashion Design, Visual Merchandising, Set and costume design, Multimedia

STUDY and UNIT: Visual Communication and Design Units 1 and 2

Description of Course Content

Visual Communication and Design introduces students to the field of design, knowledge of colour, technical drawing, freehand illustration, and design concept development and computer software applications. There are three assessment outcomes each semester, each having a focus in one of these areas. Students develop the skills to understand the design process and how to best use it when embracing product design, brand development and forms of layout design. The application of the elements and principles of design increase their knowledge of the design field and provide the necessary structure for working in this field.

Assessment of Unit

Students are assessed by topic criteria and are encouraged to actively work to meet these requirements, both in and out of class. The assessment outcome is broken up into manageable parts and students work to complete these usually over a four-week period. Students are assessed as they work through the design process working to a Design Brief. Tests and an exam are the final means of assessment at the end of the semester.

Relationship to further options

Units 1 and 2 lead to Units 3 and 4. Even though they aren't a prerequisite, many of the skills and knowledge gained transfer to Units 3 and 4 and provide a sound basis for students to develop their knowledge of the design field. The VET Multi Media course also enhances the skills acquired through this course.

Why study this unit?

This study provides students with a hands-on understanding of the visual world in which we live and increases their awareness of aesthetics and an appropriate application of these in a visual sense. It also provides the basis for a career in one or more of any of the following: Graphic Design, Industrial and Product Design, Design for the Built Environment, Publishing and Layout Design. It also provides a background for anyone who wants to work in a creative field.

VETiS STUDIES

VETiS Programs – Outlines

VETiS (Vocational Education & Training in Schools) programs have a particular industry focus and provide students with curriculum based competencies that are developed and assessed to a standard deemed appropriate by industry. The program is normally delivered one half day per week over a two year period during Years 11 and 12. There are a very small number of exceptions to this where students are required for a whole day. Senior School students at Brighton Secondary College are able to undertake a VCE/VET program offered by TAFE Colleges or other Registered Training Organisations. All VET classes are off campus, mainly at either Holmesglen TAFE or Sandringham Secondary College. A small number are offered elsewhere. Please note, that all VET courses will incur additional costs.

Benefits

- Students will gain an insight into a specific industry through an accredited training program that is recognised by the industry.
- Students will experience a more hands on or applied form of learning.
- A VET study will provide students with a Nationally Accredited Certificate and credits towards their VCE.

Successful completion of VETiS in a senior secondary program may provide students with:

- a VETiS certificate issued by a Registered Training Organisation (RTO) and credits towards the completion of their VCE certificate
- two Statements of results: One issued by the VCAA giving details of units completed in the VCE and a second one identifying units of competence/modules completed in the VET qualification
- a contribution to their ATAR which can improve access to further education
- pathways into employment and/or further VET qualifications
- workplace experience including structured workplace learning.

Students value VET because:

- it allows them to combine general and vocational studies which for many, provides a practical focus in a range of industry areas
- it provides direct experience of business and industry.
- It allows students to experience an applied, or practical, learning environment.

Employers value VET because it:

- contributes to the development of entry level skills for their industry
- provides students with a practical and focused introduction to workplace requirements
- enhances the employability of students
- enables industry to contribute to educational programs in schools
- enables industry to participate in local community networks.

At Brighton Secondary College, we will be offering the following VET Programs for 2017:

Cert. III Acting (Partial) (One Year – Units 3&4)

Cert. III in Allied Health Assistance

Cert. II in Automotive Studies

Cert. II in Building and Construction – Bricklaying (partial)

Cert. II in Building and Construction – Carpentry (partial)

Cert. II in Community Services

SCORED

Cert. II in Dance

SCORED

Cert. II Early Childhood Education & Care

Cert. II Electro technology Studies (Pre-Vocational)

Cert. II Engineering

SCORED

Cert. III Events	
Cert. II Fashion Technology & Design	
Cert. II Furnishing	
Cert. II Furniture and Joinery	
Cert. II in Hospitality	SCORED
Cert. III in Information, Digital Media and Technology (Gaming – Partial))	
Cert. III in Information, Digital Media and Technology (Support Stream)	SCORED
Cert. III Interior Decoration (Retail Services)	
Cert. III in Laboratory Skills	
Cert. III in Media (Digital media)	SCORED
Cert. II in Sport and Recreation	SCORED
Cert. III in Technical Production (Music)	SCORED
Cert. III in Technical Production (Music Industry Skills)	SCORED
Cert. III in Tourism	
Cert. II Visual Arts & Contemporary Arts	

SCORED: The program has examinations in November. Students receive a study score that can be counted in the primary four for the calculation of the ATAR. Unscored programs are counted as a 5th or 6th subject in the ATAR.

Certificate III in VET Acting

This course is for those who want to pursue acting opportunities in the Theatre and Screen Industry or continue to further acting education and training.

The Certificate III course is designed to provide the minimum requirements to work in the performing arts industry as an actor, in live theatre, and the film and television sectors. It can also provide participants with the skills and experience of working with others in the development and implementation of screen and dramatic works, and provide participants with an understanding of how to work within the performing arts and screen industries safely.

Units include:

Australian theatre industry knowledge; Extended voice skills; Extended acting technique; Extended screen acting technique; Extended comedy skills.

VET Acting provides a pathway for students into the industry. With additional training and experience future employment opportunities may include: Actor, Voice- Over Artist, Director, Comedian, Script Writer, Teacher, Theatre Manager.

Certificate III in Allied Health Assistance

This course is for you if you want to work in the health care sector but do not want to do nursing. It offers a generic qualification that covers a range of work functions, including providing therapeutic and program related support to allied health professionals, e.g. physiotherapists. Graduates will be required to work under the guidance of an allied health professional.

During the course you will learn about the support services provided to all age groups requiring assistance with physiotherapy programs. This course is suitable if you have an interest in health assistant work in acute care, aged care and community settings, and working with staff and clients of all ages. You will learn through engaging with role plays, simulations, project work and a total of 40 hours of work placement, which will be undertaken in a variety of health care settings including medical, sub-acute, acute, community and rehabilitation areas. This course is the start of a pathway if you are considering a career in assisting physiotherapists, speech therapists or occupational health therapists. This course is suitable if you have an interest in health assistant work in acute care, aged care and community settings, and working with all age groups. This qualification covers workers who provide assistance to physiotherapy professionals.

Certificate II in Automotive Studies

This program has been designed to incorporate elements of mechanical services, panel beating, spray painting, spare parts, auto electrical, heavy vehicle maintenance and automotive sales in a practical and theory based program. The program is a great introduction to the automotive industry and gives you the opportunity to gain valuable work readiness and real world skills. This program will give you the skills to achieve competencies that will enhance your employment prospects in the automotive or automotive-related industries.

Sample Program Outline: Remove and Refit Batteries, Apply sealants, Recharge Batteries, Operate Electrical Test Equipment, Clean a Vehicle, Use and maintain measuring equipment, Remove and replace wheel and tyre assemblies, Remove and replace cylinder head, Dismantle and assemble carburettor, Dismantle and assemble 4-stroke multi-cylinder engine, Dismantle and assemble fuel pump, Remove and replace radiator, Remove and replace clutch assembly, Job Seeking Skills.

Future Employment Opportunities: Automotive Air-conditioning Fitter, Automotive Electrician, Parts Interpreter, Bicycle Technician, Brake Mechanic, Exhaust Fitter and Repairer, Heavy Vehicle Motor Mechanic, Vehicle Serviceperson, Light Vehicle Motor Mechanic.

Certificate II in Building and Construction - Bricklaying (Partial)

During this course you will gain a broad knowledge of bricklaying and building through practical projects and tasks, giving you sound bricklaying and building skills which are in strong demand by the industry.

The Certificate II in Building and Construction (Bricklaying) is designed to enhance bricklaying and building apprenticeship prospects.

With additional units, graduates of the Certificate II in VETiS Building and Construction (Bricklaying) will be eligible for a pre-apprenticeship certificate.

Successfully completing this course gives you credit towards a bricklaying apprenticeship (Certificate III level). You will need to have a contract with an employer before continuing your training as an apprentice.

Certificate II in Building and Construction (Carpentry) - Partial

This is a two year course which opens up employment opportunities in the building construction and building design industries by providing skills and knowledge required by the carpentry and building trades. The Certificate II in Building and Construction is designed to enhance carpentry and/or associated building trades apprenticeship prospects. During the course you will gain experience in using hand and power tools, and learn a wide range of carpentry skills including how to install windows and doors, wall framing, interior fixing and roofing.

If you wish to complete the entire pre-apprenticeship certificate, you will need to undertake units beyond the requirements of the VCE/VET program.

Successfully completing this course gives you credit towards a Certificate III in Carpentry Apprenticeship. You will need to have a contract with an employer before continuing your training as an apprentice. This course is suitable if you have an interest in carpentry, joinery, stair building or shop fitting.

Certificate II in Community Services

This course is for people who like working with people. Throughout this two year course you will be taught across a variety of work skill areas pertaining to work within the community services industry. You will learn about services relating to childcare, aged care, youth work and support of people living with a disability. Your learning will involve role plays, simulations, project work and structured workplace learning. If you are compassionate, patient, understanding and caring, then this course is for you.

Once you have completed the Certificate II in Community Services you will have the opportunity to undertake a range of courses at certificate, diploma, advanced diploma and degree levels in children's services, education support, aged care, disability, health or counselling.

Certificate II in Dance

The Dance program involves accredited training which aims to provide students with technical and performance skills as well as the knowledge to establishing a career within the entertainment industry. The program involves group and solo performances.

Certificate II in Dance aims to provide students with the technical and performance skills to begin the process of establishing a career in the dance industry. It enables students to develop the knowledge and skills to participate in a variety of dance routines and leads to further education and training in the performing arts industry. Units 1 and 2 include developing basic levels of physical condition for dance performance and basic dance techniques, sourcing information on the history and theory of dance and applying it to students own area of work. Units 3 and 4 involves

students sourcing and applying entertainment industry knowledge, preparing for a dance performance, refining basic dance techniques, applying basic dance techniques for performances.

Sample Program Outline: Source and apply industry knowledge; Apply basic First Aid; Develop a basic level of physical condition for dance performance; Develop basic dance techniques; Source information on history and theory and apply it to own area of work; Prepare self for a dance performance; Refine basic dance techniques; Apply basic dance techniques for performances.

Future Employment Opportunities: Completion of Certificate II in Dance will assist students in entering the dance industry. With additional training and experience, future employment opportunities may include Dancer, Performer, and Choreographer.

Certificate II in Early Childhood Education and Care

This qualification enables you to plan experiences and provide education and care to children, facilitating their leisure and play and enabling you to foster children's development. You will also be required to undertake several days of field placements in a variety of early childhood settings.

Graduates may work under direct supervision and, in some settings, may also have limited supervisory responsibilities of volunteers. You are required to have an understanding of a range of cultures and work with local communities in the provision of services.

Cert. II Electro technology Studies (Pre-Vocational)

This course is a pre-vocational electrical course, designed to provide an introduction to the electrical/electronics industries in areas such as air-conditioning, electrical, refrigeration or instrumentation. It enables you to develop broad based competencies in a range of electro technology fields such as lighting, general power, fire protection and security, robotics, instrumentation, optical data and voice systems, electrical motors and control systems. It also enables you to make more informed choices in the selection of vocational career paths and gain a recognised credential and credits for further training as an apprentice or trainee in the electro technology industry.

During this course, you are required to provide overalls, work boots and clear safety glasses.

This program will be delivered in a new facility purposely built for the electrical industry and opened in January 2015.

Certificate II in Engineering

Engineers are interested in how things work and are employed to design, invent, create, maintain and improve everything from buildings to bridges and aeroplanes, to plastics and computers. This course aims to provide pre-employment training and pathways in the engineering manufacturing or related industries and accommodate entry into the wider engineering industry. The program incorporates theory and practical based modules with a work placement component that allows you to gain valuable work readiness and real world skills.

The Engineering program will provide you with a taste of the varied manufacturing and engineering career possibilities as well as information and skills to help your with your future education, training and employment.

Sample Program Outline: Machining, Fabrication, Computers in engineering, Engineering maths,, Hand and Power Tools, Electro technology principles, Engineering drawings, Plan the manufacture of components, Handle engineering materials, Manufacture components, Cutting, grinding and turning, Career planning.

Future Employment Opportunities : Mechanical Fabrication, Automotive Engineer, Metal Trades Assistant, Tool Maker, Mechanical Engineer, CNC Operator.

Certificate III in Events

Coordinating festivals, weddings, conferences, special events or functions requires certain skills. The Holmesglen Certificate III in Events course aims at providing a real insight into the events industry and the skills and knowledge required to be successful in this career.

Throughout the course you will learn how to communicate event ideas, gather information, plan and organise activities, work in teams and solve problems.

In your first year you will develop and promote a special themed event, put an event proposal together for an 'in house' customer and organise an end of year event. The focus for the second year is to further develop your skills and knowledge of the events industry, by running a larger Holmesglen in house event. This will further develop your skills in meeting management, team building, client liaison and co-ordinating the event.

This course is a great introduction into the Diploma of Events where you will continue to utilise these skills and further develop knowledge within this industry, and ultimately run your own events. This course is suitable if you have an interest in event management, wedding planning, international event coordination and festival or sporting coordination.

Certificate II in Applied Fashion Technology and Design

The VCE VET Applied Fashion Design and Technology program provides an introductory overview of fashion design which may lead to employment opportunities producing fashion products where a basic understanding of design skills is required. It is particularly suitable for those who are self-employed and involved in low volume production (eg for markets, repairs and alterations). Completion of this program will provide you with a folio of fashion design work suitable for use at interview for a variety of fashion design courses from certificate, through to diploma and degree level. You may be able to claim credit transfer for some units, when apply for further study in the VET sector.

The Applied Fashion Design and Technology program involves design, sewing, and pattern making modules exposing you to creative production oriented environment within the fashion industry. This program incorporates a variety of industry areas including clothing manufacturing, alterations, dressmaking, costume design and clothing/fabric retail. VCE VET Applied Fashion Design and Technology provides students with basic design and development skill and knowledge to prepare them for work in the fashion industry. Students will be provided with the opportunity to acquire and develop skills in sewing, design processes, working with patterns, applying standards and interpreting basic sketches. Units 3 and 4 of the program include identifying fibres and fabrics, fabric performance and handling, garment repairs, alterations, basic patternmaking principles, preparing and market design concepts. This is a hands-on qualification that allows for some creative expression to develop and be displayed in the practical projects undertaken. Future Employment Opportunities Employment opportunities may include a clothing tradesperson, product tester/inspector, product dispatcher, garment cutter, pattern maker, designer or milliner.

Certificate II in Furnishing

This course gives you an insight into the training required to achieve a trade qualification in the furnishing industry. You will develop hand tool skills while working on a variety of projects related to cabinet making, solid furnishing, polishing and upholstery.

The building industry is experiencing a shortage of cabinet makers and this is a good alternative pathway into the building industry.

You are required to provide overalls, work boots and clear safety glasses.

Job roles covered by this qualification include assistant cabinet maker, assistant installer of built-in cabinets, and production operator within a cabinet making enterprise. Cabinets include free standing and built-in furniture.

Certificate II in Furniture and Joinery

The Furniture & Joinery Making Pathway Program gives you the opportunity to work safely using hand tools and to construct timber furnishing products.

You are required to provide overalls, work boots and clear safety glasses.

This course is suitable if you are interested in furniture design and technology, joinery, shopfitting, stair building and cabinet making.

Certificate II in Hospitality

The first year of this course will give you an introduction to the hospitality industry with skills to work in both the kitchen and restaurant. All skills learned will be immediately attractive to employers. You will have the opportunity to work with state-of-the-art equipment at either Moorabbin or Waverley campuses. Among the many things you will learn are:

- How to follow hygiene procedures
- Prepare and present food
- How to interact with guests in live restaurant service

On completion of the first year you will receive a Food Handlers Certificate or equivalent, Responsible Service of Alcohol certificate and Certificate II in Hospitality.

The second year of the course will give you the choice of learning the skills required to gain employment in a fine dining restaurant (Hospitality stream) or commencing a career as a Chef (Kitchen Operations stream). You will receive specialist instruction in the Institute's restaurants and kitchens at Waverley or Moorabbin campuses and will participate in the operation of the restaurants.

On successful completion of your first year, you will be awarded a Certificate II in Hospitality. On successful completion of your choice of stream in your second year, you will receive either an enhanced Certificate II in Hospitality (Hospitality Stream) or a Certificate II in Kitchen Operations (Kitchen Operations Stream) .

Career Opportunities: Barista, Food & Beverage Attendant, Kitchen hand, Apprentice Chef

Certificate III in Information, Digital Media and Technology (Support Stream)

This qualification provides skills and knowledge allowing you to be competent in a wide range of general information and communications technology (ICT) technical functions. Jobs that are available for this level of qualification will support information technology activities in the workplace across a wide range of ICT areas, including technical support, network administration, software applications and digital media technologies.

On completion of the program, you may further your education in a range of IT courses.

This course is suitable if you have an interest in website development, games development, games programming, programming engineering, software applications, software architecture, network engineering, systems engineering, intranet engineering, integration analysis and multimedia design.

Cert. III Information Technology – Games Creation (partial)

Partial completion of the Certificate III in Information Technology (Games Creation) program is designed to introduce and engage enthusiastic and passionate students to the game industry. The program is an ideal introduction to enter the world of game development. Students undertake a range of learning experiences including caring for and installing computer hardware, creating and editing digital images, programming games and creating 2D digital animations, using advanced features of computer applications, building and maintaining a gaming website, web administration and client support. Sample Program Outline: Care for and install computer hardware; Create and edit digital images; Programme games and create 2D digital animations using advanced features of computer applications; Build and maintain a gaming website, web administration and client support.

Future Employment Opportunities: Completing this certificate course provides a pathway to the higher level Certificate IV and into the Diploma.

The focus of the course is on three main roles in the games industry: Games Designer, Games Programmer, and Games Artist. This program prepares students for employment operating under supervision as a junior games developer in the IT, multimedia and games industry.

Certificate III in Interior Decoration Retail Services

This course is designed to develop the knowledge and skills required for the selection and coordination of interior furnishings and finishes in the decoration of domestic and commercial interiors. You study interior decoration and will learn the practical skills and knowledge to plan and implement creative design and decoration solutions for commercial and residential applications.

You will also learn skills in computing (CAD), presentation methods, restoration decoration, soft and hard material application, colour theory and lighting design. You will have the opportunity to use Photoshop, Illustrator, Word and Excel during the program, which will assist you in developing fantastic portfolios, required in the application for all art-based courses.

Certificate III in Laboratory Skills

During this course, you can complement and expand your scientific studies by gaining the practical skills and knowledge to assist in collecting and preparing samples and to carry out, measure and record results of experiments in the physical, chemical, biological or life sciences. You will learn skills in maintaining a laboratory, routine sampling and testing, recording data, and using laboratory computing programs. You will also learn how to prepare cultures, perform sterile techniques and assist with field work.

This course will be undertaken in the new state-of-the-art laboratories at Holmesglen Moorabbin where you will have access to equipment that can usually only be found in a technical setting. This program leads to the award of a qualification that articulates directly to further qualifications including the Certificate IV in Laboratory Techniques, Diploma of Laboratory Technology and Advanced Diploma of Laboratory Operations. This course is suitable if you have an interest in biological testing, biotechnology, chemical testing, environmental monitoring, food testing and pathology testing.

Certificate III in Media

In first year of this program, you will learn to follow a design process, produce and prepare images and collect and generate content. These skills will be used to develop media for print and screen and create interactive applications using the Adobe CS5 suite of products, specifically, Photoshop, Illustrator, Dreamweaver and Flash. You will complete projects including a DL postcard, DVD slip cover, disc label, HTML newsletter, HTML website, Flash animation, Flash video, Flash website, and group website (Flash and HTML).

In the second year you will enhance your design skills by exploring layout and typography. You will develop visual literacy through maintaining a visual diary and learn about writing styles for varying multimedia content. You will develop a game using Flash Action script and learn the basics of digital composing using After Effects. In addition you will complete the following projects- a logo development and corporate identity, Illustrator Portrait, advertising pitch (group exercise), Flash game, Flash digital portfolio and After Effects video sequence.

You will graduate with a folio of work that may be used when applying for future opportunities, and may be eligible for advanced standing when applying for multimedia programs at Holmesglen. You will also have acquired industry relevant skills that may be immediately applied in entry level employment opportunities within the industry.

This program is suitable if you have an interest in digital media, animation, web design, and graphic design.

Certificate III in Sport and Recreation

If you are enthusiastic about physical fitness and sport, this course is for you. Study the Certificate III in Sport and Recreation and build a solid background in the industry, ideal if you are considering a career such as a sports and recreation officer, fitness instructor, recreation officer or sporting coach.

The course places an emphasis on sporting skills and industry knowledge. In the first year, you will complete an exciting range of sporting related units and develop a basic level of skills of instructing and officiating in a variety of games and sports. You will also develop knowledge of the sporting industry and relevant workplace skills. You will learn about the preparation and equipment required for sporting and recreation sessions, how to conduct these sessions, first aid and how to deal with clients. There will be a wide variety of sports covered which will be tailored to your interests. The second year of the program brings a focus on fitness training and instruction. You will also develop knowledge of sport and recreation markets and participation patterns, and go on to develop public education programs in a related area.

This course is suitable if you have an interest in sports recreation, fitness instructing, sports development and sports coaching.

VET Technical Production (Music)

The Technical Production program gives you the opportunity to experience the music industry in a fun and practical way. The program combines theory based work with practical assignments and projects throughout the year. You have the opportunity to experience the music industry in all its different elements. The program incorporates elements of performance, event management, back stage, promotion and management, lighting and rigging and sound recording.

Sample Program Outline: Work effectively with others; Manage own work and learning; Source and apply industry knowledge; Follow occupational health and safety procedures ; Operate professional audio equipment; Install and operate follow spots; Operate staging elements; Prepare, rig, test and modify vision systems; Operate vision systems; Apply a general knowledge of vision systems to work activities ; Perform basic sound editing.

VET Technical Production (Music Industry Skills)

This course provides students with the practical skills and knowledge to record, mix and edit sound sources. Units 1 & 2 of the program include developing music industry knowledge, establishing contractual and work relationships, and following health, safety and security practices. For Units 3 & 4 students undertake units in editing sound using digital systems, operating sound mixing console, operating sound reinforcement system and mixing sound sources.

This program prepares students for work in the music industry in areas such as sound track laying, digital editing and mixing, audio visual equipment operations and stage management and can be applied to workplaces such as stage productions, radio and medium to large recording studios. With additional training and experience, potential employment opportunities may include sound technician, tour crew member, studio engineer, theatre/television audio technician

Certificate III in Tourism

The tourism industry is an ever changing and exciting industry to work in. Career prospects range from selling dream holidays to customers as a travel agent, working for an airline or cruise company, to guiding Australian or overseas tours.

Holmesglen has a hands on approach to learning about tourism. You will study in a simulated travel office environment using the latest tourism technology. Throughout the course the emphasis is on developing knowledge of the tourism industry, including Australian and international tourist destinations, travel agency operations and promoting attractions. There will be several local tourism based excursions.

A feature of the year two program is the optional trip to the Gold Coast to explore the tourism industry in Queensland and the operations of a theme park. This course is suitable if you have an interest in travel consultation, reservation sales agent for a tour company or airline, theme park attending, tour guiding and attraction attending.

Certificate III in Visual Arts, Craft & Design (Partial completion). Units 3&4 only.

This program aims to provide participants with the knowledge and skills to achieve competence that will enhance their employment prospects in a visual arts or related industries. Students research and analyse history and theory of application to artistic practice and produce drawings to represent and communicate a concept. Research and experiment with techniques to produce sculpture; document the work process; select and prepare work for exhibition and research and experiment with techniques to produce drawings.

This program provides a pathway for students into the art industry. With additional training and experience, future employment opportunities may include: Artist; Curator; Sculptor; Creative Director; Architect; Games Designer and Ceramicist.