2014
SENIOR LEARNING COMMUNITY
UNIT DESCRIPTIONS BOOKLET

VCE UNIT 1 & 2 Descriptions  Year 11

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ENGLISH Key Learning Area

1eENG1 & 1eENG2- ENGLISH
Units 1 and 2
There are three areas of study in each unit: Reading and Responding, Creating and Presenting and Using Language to Persuade. ‘Reading and Responding’ requires students to closely study a selected text, examining the structures and features used by authors to construct meaning. They are required to identify and discuss key aspects of the text and to construct a response in the form of an analytical essay. The second area is called ‘Creating and Presenting’, students draw on the given context and text as inspiration for their own writing. The third area, ‘Using Language to Persuade’, concentrates on using language to persuade and includes analysis of persuasive writing and the presentation of a point of view in the form of an oral presentation.

Unit Advisor: Ms Norsen

1eLIT1 & 1eLIT2- ENGLISH LITERATURE
Units 1 and 2
Areas of study include: reading strategies and themes and ideas in texts. There are three outcomes for each unit, which relate directly to the texts selected. The first outcome in Unit 1 addresses the student’s personal response to text, the second asks for analysis in critical and creative form and the third is an analysis of the construction of a film, television or multi-media text. The outcomes for Unit 2 are similar but more complex.

Unit Advisor: Mr Gooding

MATHMEMATICS Key Learning Area

1mFM1 & 1mFM2- FOUNDATION MATHEMATICS
Units 1 and 2
Full Year Course
This subject is suitable for basic maths students in year 11.
In Foundation Mathematics there is a strong emphasis on using mathematics in practical situations relating to everyday life, personal work and study. Students who take Foundation Mathematics do not proceed to a Units 3 and 4 mathematics study.
Topics focus on: space and shape; patterns in number; handling data; measurement and design. Assessment tasks involve: major projects; completion of set tasks; tests.
If – in mathematics – you have ever asked “When will I use this”?, this may well be the study for you!

Unit Advisor: Mrs Olver
1mGM1 & 1mGM2- GENERAL MATHEMATICS
Units 1 and 2
General Mathematics includes the study of statistics and probability, arithmetic, functions and graphs, algebra, geometry and trigonometry. It provides students with general mathematical skills for life and further study in the VCE. Technology is used to support and develop the learning of mathematics throughout the course. Assessment includes topic tests, unit exams and assignments.
Taken alone, this course prepares students for Further Mathematics Units 3 and 4. When studied in conjunction with Mathematical Methods, students are prepared for any Unit 3 and 4 mathematics subject.
*Unit Advisor: Ms Ellis or Mr Pethica*

1mMM1 & 1mMM2- MATHEMATICAL METHODS
Units 1 and 2
Mathematical Methods Units 1 and 2 are a preparation for Mathematical Methods Units 3 and 4. The course involves: the study of functions and relations including linear, quadratic, cubic, quartic, exponential, logarithmic, and trigonometric and their associated graphs; applications of matrices; probability; rates of change and calculus. Students develop analytical, numerical and graphical approaches to both routine and non-routine problems. They are expected to be able to demonstrate the skills learned and to solve problems by hand and by the use of CAS technology.
*Unit Advisor: Ms Olver*

HUMANITIES Key Learning Area

1hHI1 & 1hHI2- HISTORY
Units 1 and 2
Unit 1: This unit explores the rise of fascism in Germany between the wars. It begins with the Versailles peace Treaty which formally brought the Great War to a close and examines the events in Germany that followed, eventually bringing the Nazi Party to power. Hitler achieved the status of dictator and the policies of the Nazi Party had an effect that dramatically affected life in Germany, and eventually, most of Europe. The social implications of Nazi rule in Germany and the conquered countries are examined with particular focus on the implementation of the concept of the 'master race'.

Unit 2: This unit’s first area of study, 'ideas and political power', begins within investigation into the post WWII Potsdam and Yalto conferences, and the implications for war torn Europe. Students study the rise of the new ‘superpower’, the U.S.A. and U.S.S.R., and their opposing ideologies, capitalism and communism. The ensuing Cold War is studied in depth and incorporates analysis of various primary and secondary evidence sources related to the Space Race, Cuban Missile Crisis, Kennedy’s assassination and the Vietnam War. The second area of study, 'Movements of the People', investigates the Civil Rights Movement in the U.S.A. and the Peace Movement of the 1960's. The third area of study, 'Issues for the millennium', focusses on civil wars and regional conflicts in the period following the collapse of the Soviet Union. Students analyse causes of conflict, such as religious and ethnic tensions, terrorism and political and economic upheaval.
*Unit Advisor: Mr Hogan*

1hLS1 & 1hLS2- LEGAL STUDIES
Units 1 and 2
Unit 1 involves a study of the individual and the law. An examination is made of the role of the legal system within communities and the manner in which it deals with various types of crime. The crime of homicide is considered in some detail.
In Unit 2 students study how the law operates and means of access to the judicial system. Two areas of the law are selected and examined in relation to the purposes of the laws and the community values which underlie them. Problems for the legal system and recent changes to it are also studied. *Unit Advisor: Mr Hogan*

**1hAC1 & 1hAC2- ACCOUNTING**

Units 1 and 2

Unit 1 focuses on accounting for and financial management of a small business. Students will be introduced to the processes of gathering, recording and reporting of financial information for service businesses. There will also be an introduction to the use of information and communications technologies in undertaking these activities.

Unit 2 introduces the accrual approach for recording and reporting and tools of analysis and interpretation of business performance. Assessment tasks include tests, a folio of exercises, with exercises using computer technology.

*Unit Advisor: Mr Peart*

**1hPI1 & 1hPI2- PHILOSOPHY**

Units 1 and 2

Unit 1: What is the nature of reality? How can we achieve certain knowledge? These are some of the questions which have challenged humans for millennia and underpin ongoing endeavours in areas as diverse as science, justice and the arts. This unit engages students with fundamental philosophical problems through active, guided investigation, and critical discussion of two key areas of philosophy: epistemology and metaphysics. The emphasis is on philosophical inquiry – ‘doing philosophy’ – and hence the study and practice of the distinctive nature of philosophical thinking, including techniques of logic, are central to this unit. As students learn to think philosophically, appropriate examples of philosophical viewpoints and arguments, both contemporary and historical, should be used to support, stimulate and enhance their thinking about central concepts and problems. Students investigate relevant debates in applied epistemology and metaphysics, and consider whether the philosophical bases of these debates continue to have relevance in contemporary society and our everyday lives.

Unit 2: This unit engages students in philosophical investigation and critical discussion of two key areas of philosophy, developing their abilities to analyse the reasoning of others and to formulate logical responses to philosophical questions. Students apply philosophical methods as they analyse problems, develop independent ideas, and explain and defend their views in philosophical exchanges with others, evaluating viewpoints and arguments. Students also apply their skills of reasoning to philosophical analysis of contemporary debates. Students explore basic principles of morality, assessing ethical arguments according to standards of logic and consistency, and uncovering the assumptions about values which underpin ethical viewpoints. There is broad scope to apply philosophical methods to everyday, personal ethical dilemmas as well as to issues debated in the media, including the most significant challenges faced by contemporary societies. The second area of study focuses on another significant topic in philosophy, to be chosen from Aesthetics, Philosophy of religion, Political philosophy or other traditions of thought.

*Unit Advisor: Mr Dunn*
**SCIENCE Key Learning Area**

**1sPH1 & 1sPH2- PHYSICS**

Units 1 and 2

Unit 1 focuses on Physics as a human endeavour, in which observations and ideas related to aspects of energy are organised and explained. In Unit 2, more complex phenomena are studied within contexts that are familiar to students and relevant to their experiences. Mathematical modelling and calculations, computer programs and data-loggers are among techniques used to analyse and solve problems.

**Prescribed areas of study:** Unit 1 – Nuclear Physics and Radioactivity: Electricity.

Unit 2 – Motion; Light. In each unit, a detailed study is also carried out.

Unit Advisor: Mr Grisdale or Mr Dunn

**1sBI1 & 1sBI2- BIOLOGY**

Unit 1

Unity and diversity: This unit examines the cell as the structural and functional unit of the whole organism. It investigates the interactions that occur between living organisms and their environments. The diversity of organisms is explored for patterns of similarities and differences. Students consider the development of ideas and technological advances that have contributed to our knowledge and understanding of life forms and cell biology and come to understand the dynamic nature of science.

Unit 2

Organisms and their environment: This unit investigates particular sets of biotic and abiotic factors that operate in different places in the biosphere, and how these factors influence the kinds of organisms that live there. It investigates how features possessed by organisms affect their fitness and reproductive success, in relation to their habitats. It also considers how species are affected by changes in environmental conditions, whether natural or human-induced. In their field investigation students apply different technologies to monitor a natural ecosystem and to investigate how ecosystems may be managed to provide resources for humans.

Unit Advisor: Ms Woodroofe or Ms Matthews

**1sCH1 & 1sCH2- CHEMISTRY**

Unit 1

The Big Ideas of Chemistry: This unit examines the historical development of the periodic table and the different models used to explain the structure of atoms. The importance of the periodic table is studied together with trends that are exhibited within the table. Properties of materials are explained in terms of the bonding of their constituent particles. Compounds of carbon are also investigated and the widespread use of polymers as an example of the importance of chemistry to everyday lives. An introduction to surface chemistry and nanotechnology is provided.

Unit 2

Environmental chemistry: This unit considers that living things on earth have evolved to use water and the gases of the atmosphere in the chemical reactions that sustain them. Appropriate chemical concepts are introduced and students are encouraged to evaluate how chemistry is used to respond to the effects of human activities on our environment. Quantitative chemical calculations are essential in this role and students are introduced to the types of calculations used every day by analytical chemists. The principles and
applications of green chemistry are introduced as a way to achieve hazard-free, waste-free, energy efficient synthesis of non-toxic products whilst maintaining efficiency.

*Unit Advisor: Ms Coburn*

**1sPS1 & 1sPS2 - PSYCHOLOGY**

**Unit 1**
Introduction to psychology: This unit studies the development of psychology from its philosophical beginnings to a scientific study of the human mind and behaviour. Students explore the influences on perception and human behaviour from biological, behavioural, cognitive and socio-cultural perspectives. Students also analyse research methodologies associated with classic and contemporary theories, studies and models, consider ethical issues associated with the conduct of research and the use of findings, and apply appropriate research methods when undertaking their own investigations.

**Unit 2**
Self and others: A person's attitudes and behaviours affect the way they view themselves and the way they relate to others. This unit seeks to understand what influences the formation of attitudes of individuals and behaviours of groups as it can inform and contribute to explanations of individual aggression or altruism, the positive and negative power of peer pressure and responses to group behaviour. Differences between individuals with regard to intelligence and personality are investigated with a focus on research methodologies and ethical principles.

*Unit Advisor: Ms Matthews*

**1sES1 & 1sES2 - ENVIRONMENTAL SCIENCE**

**Unit 1**
The environment: This unit focuses on the environment and its components. The function of ecosystems and the interactions in and between the ecological components is investigated. The unit presents opportunities to consider the effects of natural and human-induced changes in ecosystems.

**Unit 2**
Monitoring the environment: This unit focuses on the characteristics of environmental indicators and their use in monitoring programs. Environmental indicator data is defined, collected and interpreted.

*Unit Advisor: Ms Taylor*

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**TECHNOLOGY Key Learning Area**

**1tSE1 & 1tSE2 - SYSTEMS ENGINEERING**

Units 1 and 2
VCE Systems Engineering involves the design, creation, operation and evaluation of integrated systems, devices and mechanisms that are made by combining a combination of mechanical, electronic and electrical sub-systems. This study can be applied to a diverse range of engineering fields such as manufacturing, land, water, automation, mechanisms robotics, and energy management. Systems Engineering considers the interactions of these systems with society and the natural ecosystems. Unit 1: Introduction to mechanical systems. Unit 2: Introduction to electrotechnology systems. Unit 3: Integrated systems engineering and energy. Unit 4: Systems
control and new and emerging technologies. Note: As this study requires the student to produce a functioning model, students are allowed some flexibility in their selection of systems studied and need to consider the cost and degree of difficulty required to complete the chosen production.

Unit Advisor: Mr Jones

1tTE1 & 1tTE2 - Product Design & Technology – TEXTILES
Unit 1 Product re-design and sustainability: focuses on the analysis, modification and improvement of a textile product. Unit 2 Collaborative design: students work in teams to design and develop a textile item. Achievement of the outcomes for both units 1 & 2 is based on the satisfactory completion of investigative activities, design folio, product and end of unit exam. There is a cost for both units and students are required to supply their own materials.

Unit Advisor: Ms Gleeson

1tFT1 & 1tFT2 - FOOD and TECHNOLOGY
Units 1 and 2
This course is designed to give a greater understanding of food and food production from a small scale perspective. Preparation of food, and planning and development of food, is the main focus areas. Practical sessions will be carried out on a weekly basis, with related theory work being conducted in alternate theory sessions. Assessment is conducted in each unit through two outcomes, being both practical and theoretical in nature.

Unit Advisor: Mrs Wood

1tWO1 & 1tWO2 - Product Design & Technology – WOOD
In VCE Product, Design and Technology students assume the role of a designer-maker. In adopting this role, they acquire and apply knowledge of factors that influence design. Students address the design factors relevant to their design situation. The knowledge and use of resources is integral to product design. These resources include a range of materials, tools, equipment and machines needed to transform these materials in a safe manner into useful products. Increasingly, the importance of environmental sustainability is having an impact on product design and development. More sustainable approaches are therefore at the forefront throughout the product lifecycle.

Unit Advisor: Mr Sayn

1tME1 & 1tME2 - Product Design & Technology - METALS
Units 1 and 2
Students work from design briefs to complete a number of productions using one or more selected materials (e.g. wood, metal). Designs, drawings and reports related to the productions are required. Material tests are to be carried out and reported on. All supporting work for final presentations is to be submitted throughout the design and production process.

Unit Advisor: Mr Sayn
THE ARTS Key Learning Area - Visual and Performing

**VISUAL Arts**

1aAR1 - Art
Units 1 and 2
This course involves the exploration of ideas and media through experimentation and new approaches. The connections between art and society are made through a brief study of Australian art. Further to this is the development of works that have a distinctly personal interest or focus. Assessment includes art production, responding to art and an end-of-unit exam.

*Unit Advisor: Mr Cimera*

1aSA1 - Studio Art
Units 1 and 2
Studio Art provides a framework for the establishment of effective art practices through an understanding and application of the process of design. Unit 1: The focus of this unit is the investigation of sources of inspiration, which generate creative activity and the exploration of a wide range of materials and techniques as tools for translating ideas, observations and experiences into visual form. The application of materials and techniques and interpretation of sources of inspiration by artists from different times and locations is also examined. Unit 2: The focus of this unit is to establish an effective design methodology for the production of art works and develop skills in the analysis of art works.

*Unit Advisor: Mr Cimera*

1aVC1 - Visual Communication and Design
Units 1 and 2
Introduction to visual communication design
Unit 1: This unit focuses on using visual language to communicate messages, ideas and concepts. Students practise their ability to draw what they observe and they use visualisation drawing methods to explore their own ideas and concepts. Students develop an understanding of the importance of presentation drawings to clearly communicate their final visual communications. In this unit students are introduced to three stages of the design process: researching designers, generating ideas and applying design knowledge and drawing skills to develop concepts.

Applications of visual communication design
Unit 2: This unit focuses on the application of visual communication design knowledge, design thinking skills and drawing methods to create visual communications to meet specific purposes in designated design fields. Students use presentation drawing methods that incorporate the use of technical drawing conventions to communicate information and ideas associated with the environmental or industrial fields of design. Students develop an understanding of the design process as a means of organising their thinking about approaches to solving design problems and presenting ideas. In response to a brief, students engage in the stages of research, generation of ideas and development of concepts to create visual communications.

*Unit Advisor: Ms Rowbotham*
1aME1 - Media

Units 1 and 2

Media Units 1 & 2 contains a mixture of theoretical and ‘hands on’ production work.

Unit 1 - Underpinning the study of Media from units 1 to 4 is the study representation. By this, students learn how familiar signs and symbols are used in the media to communicate moods, characters and a range of meanings. This leads to students developing and creating a video production of their own to reflect their knowledge. Advances in media technology and the changing roles of media creators and media producer are examined. Students also compare a how media product made for example for print, must use different techniques to achieve the same effect in a different medium, such as video, and then produce examples of their own.

Unit 2 - Creating a media product involves individuals with specialist skills working cooperatively with a range of people with different skills and roles. Students research key roles in the making of a feature film, newscast or documentary. Students gain first hand experience of this by participating in and producing a group video production. They also examine aspects of the Australian media industry focusing on the Australian film industry and its history.

Exams are held at the conclusion of Unit 1 and Unit 2.

Unit advisor: Mr Murray

PERFORMING Arts

1aDR1 - Drama

Units 1 and 2

Dramatic storytelling focuses on creating, presenting and analysing solo and ensemble performances that include real or imagined characters, based on personal, cultural and community experiences and stories. The unit also involves analysis of a student’s own performance work as well as performances by professional and other drama practitioners.

Creating Australian drama focuses on the use and documentation of the processes involved in constructing a devised solo or ensemble performance. Students create their performance based on a person, event, issue, art work or icon from an Australian context. The unit also involves analysis of a student’s own work as well as the performance of an Australian work.

Unit Advisor: Mr Pickering

1aTS1 - Theatre Studies

Units 1 and 2

Theatrical styles of the pre-modern era focuses on the application of acting and other stagecraft in relation to theatrical styles prior to the 1880s in both their written form and in performance. They also study theatrical and performance analysis and apply these skills to the analysis of a professional play from the pre-modern era in performance.

Theatrical styles of the modern era focuses on the application of acting and other stagecraft in relation to theatrical styles from the 1880s to the present with an emphasis on the application of stagecraft. They also analyse a professional play from the modern era in performance.

Unit Advisor: Mr Pickering

1aMU1 - Music Performance

Units 1 and 2

These units focus on building performance and musicianship skills. Students present performances of selected group and solo music works. They study the work of other performers through listening and analysis, and explore strategies to optimise their own approach to performance. They identify technical, expressive and stylistic challenges relevant to works they are preparing for performance.
and practise technical work to address these challenges. They also develop skills in performing previously unseen music. Students study aural, theory and analysis concepts to develop their musicianship skills and apply this knowledge when preparing and presenting performances. Students also devise an original composition or improvisation.

Unit Advisor: Ms Verbyla

1aMS1 - Music Style and Composition

Units 1 and 2

Unit 1: This unit involves an exploration of a wide range of music styles. Students listen to music excerpts from different styles, traditions times and places. They analyse specific works from three distinct music styles including music from a non-western style or tradition. They become familiar with the elements of music and consider the various ways composers/music creators treat these elements and use compositional devices to create music works. Students compose and/or arrange brief creative exercises in response to the practices of other composers/creators.

Unit 2: This unit explores how composers and/or creators use music to create effects and elicit responses in multi-disciplinary forms. Students listen to music excerpts from diverse styles and respond to the ways elements of music and compositional devices are used to create specific effects. Students study multi-disciplinary works that combine music and non-musical elements, and investigate how music is used in combination with these other elements. Students also consider the role and function of music in the complete work, for example ways it advances a narrative, provides commentary on a narrative or communicates a mood or feeling. Students create music for a multi-disciplinary work in a form of their choice. Works and their associated styles selected for study in this unit should be different from those selected for study in Units 1, 3 and 4.

Unit Advisor: Ms Verbyla

HEALTH and PHYSICAL EDUCATION Key Learning Area

1pPE1 - Physical Education

Units 1 and 2

This course involves practical and theory work, which is interrelated and allocated similar class time.

Unit 1- On completion of this unit the student should be able to collect and analyse information from, and participate in, a variety of practical activities to explain how the musculoskeletal, cardiovascular and respiratory systems function, and how the aerobic and anaerobic pathways interact with the systems to enable human movement.

Unit 2- On completion of this unit, the student should be able to demonstrate their knowledge of, and evaluate, the skills and behaviours of an exemplary coach, and explain the application of a range of skill learning principles used by a coach.

Assessment: Unit assessment tasks, tests, and an end of year exam.
Prerequisites: Enthusiasm.
Uniform: All students are expected to be changed for all sessions, for health and safety reasons. This includes a School PE shirt, black shorts, skirts and/or tracksuit pants, a change of socks and a warm top for winter (preferably same colour as your house) and runners or sneakers, not school shoes. The PE uniform is compulsory at Daylesford Secondary College.

Unit Advisor: Mr Bones
Unit 1: The Health & Development of Australia’s Youth
Students develop an understanding of the concepts of health and individual development. They look at the different methods for measuring health status as well as developing an understanding of the physical, social, emotional and intellectual changes associated with the developmental stage of youth. Students will look at different determinants of health and their influence on health and individual human development. They will explore the role of nutrition in the provision of energy and growth during adolescence and health issues faced by youth.

Unit 2: Individual Human Development and health issues
Students develop an understanding of the health and human development of Australia’s children and adults, including the elderly. They explore the physical, social, emotional and intellectual changes that occur in these stages of the lifespan. Students also investigate health issues that are impacting on Australia’s health system.

Unit Advisor: Ms Kirby

LANGUAGES- Key Learning Area

1IIT1 - Italian
Units 1 and 2
This course focuses on the key knowledge and skills which enable students to: establish and maintain a spoken or written exchange related to personal experience; make arrangements and complete transactions; listen to, read and obtain information from written and spoken texts; and produce pieces of writing based on real or imaginary experience.
There are four assessment tasks and an end of semester examination within each unit.
Successful completion of Year 10 Italian is a pre-requisite for enrolment in Unit 1.

Unit Advisor: Mrs Mazzitteli
UNIT 3 & 4 Descriptions Year 12

Presented in alphabetical order

3hAC1 - Accounting
Units 3 and 4
Units 3 and 4 are designed to be taken as a sequence. In Unit 3, students are introduced to a double entry system of accounting for trading businesses, using the perpetual method of recording stock movements. Topics include journals and ledger accounts, accounting reports, the GST and computer-based recording. Unit 4 further develops the above topics, as well as covering budgeting and analysis and interpretation. Assessment: Coursework 50%; November exam 50%.

Unit Advisor: Mr Peart

3aAR1 - Art
Units 3 and 4
In Units 3 and 4 students communicate their ideas by presenting a folio of work that demonstrates a diversity of experimentation, effective annotation and innovative practices. Students are expected to resolve one work each semester, which is included in their final ‘boy of work’. A range of approaches to analysing and interpreting art are studied that use the formal, personal, cultural and contemporary frameworks.

Unit Advisor: Mr Cimera

3sBI1 - Biology
Units 3 and 4
Students investigate the challenge of survival by studying cells in their environment and the adaptation of plants and animals to their surroundings. The human immune system is covered in detail with practical investigations into disease and defence mechanisms. Unit 4 spans genetic inheritance and evolution. Students use experimental methods to investigate patterns of inheritance. Gene technology and manipulation is investigated, together with the process of evolution that has led to the diversity of living organisms.

Unit Advisor: Ms Woodrooife or Ms Matthews

3sCH1 - Chemistry
Units 3 and 4
Unit 3- Chemical Pathways: This unit investigates the scope of techniques available to the analytical chemist. Chemical analysis is vital to a forensic scientist, a quality control chemist, a geologist in the field and an environmental chemist. Each analytical technique is dependent on a particular property or reaction of the chemical being investigated. Students investigate several organic reaction pathways, the chemistry of particular organic molecules and the role of organic molecules in the generation of biochemical fuels and medicines.
Unit 4: Chemistry at work: This unit investigates the industrial production of chemicals and the energy changes associated with chemical reactions. Chemical reactions produce a diverse range of products we use and depend on every day. Features that affect chemical reactions such as the rate and yield or equilibrium position are investigated. Our society uses a range of energy sources, including coal to generate electricity and gas for heating, oil for transport, and solar and wind for small and large scale production of electricity. Students investigate the renewability of a range of energy sources and consider their energy efficiencies. Galvanic cells and electrolytic cells operate by transforming chemical and electrical energy. Students investigate their operating principles, both in the laboratory and in important commercial and industrial applications including fuel cells.

Unit Advisor: Ms Coburn

3aDR1: Drama
Units 3 and 4
Ensemble performance focuses on non-naturalistic performance styles and theatrical conventions from a range of cultural traditions. Collaboration to create, develop and present ensemble performance is central to this unit. The process is analysed and evaluated. A professional non-naturalistic play is also analysed. Solo performance focuses on the use of stimulus material to create and develop characters within a solo performance. Students complete two solo performances. The processes involved in creation and presentation of characters are analysed and evaluated. Assessment: Coursework 40%, Performance exam 35%, Written exam 25%.

Unit Advisor: Mr Pickering

3eEN1: English
Units 3 and 4
This unit is divided into three areas of study: Reading and Responding, Creating and Presenting and Using Language to Persuade. Reading and Responding requires students to analyse, in the form of an analytical essay, how a selected text constructs meaning, conveys ideas and values, and is open to a range of interpretations. Creating and Presenting requires students to draw on ideas and/or arguments suggested by a chosen Context to create written texts for a specified audience and purpose; and to discuss and analyse in writing their decisions about form, purpose, language, audience and context. Using Language to Persuade involves analysis of the use of language in texts that present a point of view on an issue currently debated in the Australian media. Students are also required to construct, orally or in writing, a sustained and reasoned point of view on the selected issue.

Unit Advisor: Ms Williams

3eLI1: English Literature
Units 3 and 4
The study draws from six core texts and each unit has three outcomes, which are internally assessed. Both units have two main focus points, which are literature in the making and views, values and contexts. Responses required are analytical, interpretive and creative and the course concentrates on developing these skills. Assessment is 50% by outcome (internal) and 50% by examination.

Unit Advisor: Mr Gooding
**3tFT1- Food and Technology**

Units 3 and 4

This course is designed to give a greater understanding of food preparation on an industrial scale. It looks at the development, analysis and marketing of food products. Food product development, food production and food controls are the main focus areas of these units. Practical sessions are carried out on a weekly basis with related theory work being conducted in alternate sessions. Assessment: Unit 3 Coursework: 15%; Unit 4 Coursework: 15%; SAT: 40%, November exam: 30%.

*Unit Advisor: Mrs Wood*

**3pHH1- Health and Human Development**

Units 3 and 4

Unit 3: Australia’s Health

Students develop an understanding of the health status of Australians compared to other developed countries. They analyse how determinants of health contribute to variations in health status and look into the National Health Priority Areas in detail. Students look at different models of health and health promotion as well as the responsibilities of governments in addressing and promoting health.

Unit 4: Global health and human development

Students explore global health, human development and sustainability and compare the differences in health status between people living in developing countries and Australians. The role of the United Nations Millennium Development Goals are investigated. Students explore the role of international organisations in achieving sustainable improvements in health and human development and consider strategies designed to promote health and sustainable human development globally. Australia’s contributions to international health are also explored.

Assessment: Unit 3 SAC: 25%, Unit 4: 25%; End or year exam: 50%

*Unit Advisor: Ms Kirby*

**3hHR1 - History: Revolutions**

Units 3 and 4

Students study the French Revolution from 1781-1795 and the Russian Revolution 1905-1924. They consider the contribution of ideas, leaders, movements and events in causing revolutionary activity. A range of historians’ perspectives are analysed in relation to the causes of the revolution as well as the challenges faced by the new revolutionary government. Students investigate the effect the revolution had on peoples’ lives in the new society. Accordingly, students draw conclusions about what changed in the new society as a result of the revolution, and what continued from the Old Regime.

*Unit Advisor: Ms Champion*

**3hHA1 - History: Australian**

Units 3 and 4- Please see *Unit Advisor: Ms Champion* for information regarding this Unit.

**3lIT1 - Italian**

Units 3 and 4

This course focuses on the key knowledge and skills which enable students to: express ideas through the production of original texts; analyse and use information from spoken and written texts; exchange information, opinions and experience and respond critically to spoken and written texts which reflect aspects of the language and culture of Italian-speaking communities. Assessment: Coursework 50%; oral examination
12.5%; written examination in November 37.5%. Successful completion of Italian Units 1 & 2 is a prerequisite for this unit.

Unit Advisor: Ms Mazzitelli

3hLS1- Legal Studies
Units 3 and 4
In Unit 3, students study the institutions which make laws, parliaments and the courts, and the way in which each of these bodies make law. Also explored are the ways in which an individual can influence change in the law. Unit 4 focuses on courts, tribunals and criminal and civil procedures. Students also compare our adversarial system to the inquisitorial system, investigate strengths and weaknesses of our legal system and look at possible means of reform.
Assessment: Coursework 50%; November exam 50%.

Unit Advisor: Ms Deacon

3mFM1- Mathematics: Further Mathematics
Units 3 and 4
Students undertaking this unit will study a core unit, “Statistics’, as well as three modules, “Number Patterns”, “Geometry and Trigonometry” and “Matrices”. This unit is recommended for students who have successfully completed General Mathematics Units 1 and 2 or Mathematical Methods Units 1 and 2 and seek to study some mathematics at year 12, but who do not need the harder Mathematical Methods Units 3 and 4. Assessment: Coursework 34%, Examinations 66%

Unit Advisor: Ms Olver

3mMM1 - Mathematics: Mathematical Methods
Units 3 and 4
This course involves the study of co-ordinate geometry, trigonometric and exponential functions, differential and integral calculus, algebra and probability distributions. The course builds skills in analysis, applications and problem solving, and involves the use of spreadsheets, graphing programs and CAS calculators in an integrated way. The successful completion of Mathematical Methods Units 1 and 2 is a prerequisite for this subject. Mathematical Methods may be taken alone or combined with Specialist Mathematics Units 3 and 4 or Further Mathematics Units 3 and 4. Assessment: Coursework 34%; Examination 66%

Unit Advisor: Mr Pethica

3mSM1 - Mathematics: Specialist Mathematics
Units 3 and 4
Specialist Maths suits students who enjoy the challenge of maths at the senior level. It is frequently taken by students who wish to include a high-scaling subject for ENTER purposes and/or as a preparation for tertiary study in science, applied science, engineering or mathematics. The course content of Specialist Maths complements that of Mathematical Methods, which must be taken as a co-requisite. Some topics, such as coordinate geometry, trigonometry and calculus are found in both Specialist and Methods. However, they are taken further in Specialist Maths. Other topics, such as vectors, complex numbers, kinematics and dynamics are unique to Specialist Maths. Specialist Maths is a slightly more difficult subject than Maths Methods but is generally accessible to a motivated student who has successfully completed Mathematical Methods in year 11. Assessment: Coursework 34%; Examinations – 66%

Unit Advisor: Mr Geddes
3aME1 - Media
Units 3 and 4
Unit 3- Narrative and Media Design and Production. Unit 3 features the study of two feature films, examining the various technical and creative skills involved in their production. Students sit a SAC exam assess their knowledge. Students then prepare for a production of their own, completing a comprehensive design plan to underpin their production. As part of their preparation for their productions students undertake a short series of exercises to practice skills they will need to employ in their production work. Students may work in a range of mediums.

Unit 4- Media Process. Media texts and society’s values. Media Influence. During Unit 4, students complete the production they have designed in Unit 3. The bulk of the production will occur in the students’ own time; generally during the mid-semester break. In Media texts and society’s values, they analyse media texts such as family sit-com’s, and magazines from a particular era to observe how social values are contained in the text and how they reflect the thinking of that society at the time the text was made. Media Influence examines the ways and the extent to which the media is claimed to influence the audience. The claimed influence of computer games upon ‘gamers’ attitudes and behaviour is an area of investigation. Students sit a SAC exam assess their knowledge in both these topics. The course is assessed %55 at school and %45 by external exam.

Unit Advisor: Mr Murray

3aMU1 - Music Performance: Solo
Units 3 and 4
These units focus on the preparation and presentation of solo works. Students use performance techniques to develop understanding of interpretation of a range of styles. Understanding of musical structure and characteristics of a group work are further developed. Ensemble performance, solo technical work and unprepared performance will be developed to further the understanding of music performance skills. Aural comprehension skills and understanding of the structure and characteristics of a group work are also developed.

Assessment: Coursework 25%; solo performance exam 50%; November aural and written exam 25%.

Unit Advisor: Ms Verbyla

3aMI1 - Music Investigation
Units 3 and 4
Unit 3: In this unit students select a work from a prescribed list as the basis for an investigation of a Focus Area. They explore the Focus Area through three complementary areas of study: Investigation, Composition/arrangement/improvisation and Performance. Area of Study 1, Investigation involves research into background contextual issues relevant to performance practice, critical listening to recordings of performances and examination of texts including musical scores. Area of Study 2, Composition/arrangement/improvisation involves applying these research findings to create a folio of exercises, sketches or recorded improvisations that demonstrate understanding of the characteristics of the Focus Area. Students plan, rehearse and perform a program of works that are representative of the Focus Area and in doing so develop relevant instrumental and performance techniques and apply performance practices. Together, these areas of study require students to apply extensive skills in performance, aural awareness, transcription, music theory and analysis.

Unit 4: In this unit students continue the exploration within the Focus Area they began in Unit 3. In Unit 4 the Investigation involves the preparation of program notes to accompany their end-of-year performance program. In Area of Study 2, the Composition/improvisation/arrangement involves creating and performing
a composition, improvisation or arrangement that draws on musical characteristics of the Focus Area. This composition, arrangement or improvisation builds on and extends exercises completed in Unit 3. Students rehearse and perform works for inclusion in a performance program of works that relates to the Focus Area. They develop mastery of relevant instrumental techniques and apply advanced performance conventions to realise their intended interpretations of each work. They continue to use skills in aural awareness, transcription, music theory and music analysis to support their work.

Unit Advisor: Ms Verbyla

3aMS1 – Music Style and Composition
Unit 3 and 4
Unit 3: In this unit students develop an understanding of the diverse practice of music creators working in different times, places and stylistic traditions. Students develop skills in making critical responses to music excerpts. They analyse ways the compositional devices of contrast, repetition and variation are used in the excerpts. Students develop knowledge about the music characteristics and style of two selected works or collections of minor works, one of which must be by an Australian composer/creator. They develop an understanding of the way contextual issues can influence works. Contextual issues may include cultural influences, social issues, practical issues, musical influences, commercial considerations and issues relating to the performer/s of the work. Students create music in response to the music characteristics and creative approaches evident in the music studied. Works and their associated styles selected for study in this unit should be different from those selected in Units 1, 2 and 4.

Unit 4: In this unit students create an original music work inspired by the study of music from different styles and traditions. They document their creative process/es from initial intention. Students develop skills in forming and presenting critical responses to music excerpts. They also analyse use of the compositional devices of contrast, repetition and variation. Students investigate the music characteristics and style of two selected works or collections of minor works, one of which was created after 1910. They develop an understanding of the process/es used to create the works and how contextual issues may have influenced the creative process. Works and their styles selected for study in this unit should be different from those selected in Units 1, 2 and 3.

Unit Advisor: Ms Verbyla

3hPI1 - Philosophy
Unit 3 Philosophy considers the perennial question of what it is for a human to live well. What is the nature of happiness? What is the role of pleasure in the good life? What does the good life have to do with being morally decent to other people? Both ancient and modern philosophical texts on these questions are considered. Students critically compare the viewpoints and arguments in the set texts to their own views on how we should live, to contemporary experience, and to ideas about the good life presented in a range of other sources.

Unit 4 explores two areas of contemporary philosophical debate. The first area of study looks at a topic from metaphysics: What is the mind? The second considers a topic from epistemology: Does science provide us with knowledge? Since it is by using our minds as well as our senses that we are capable of acquiring knowledge, and since philosophy suggests that what we can know will influence what we think the mind is, these two questions are studied in an interrelated way.

Unit Advisor: Mr Dunn
3pPE1 - Physical Education
Units 3 and 4

This is a theory based course, which is highlighted by practical sessions, allowing students to make direct links and fully comprehend all concepts covered.

Unit 3 - On completion of this unit the student should be able to analyse individual population levels of sedentary behaviour and participation in physical activity, and evaluate initiatives and strategies that promote adherence to the National Physical Activity Guidelines.

Unit 4 - On completion of this unit the student should be able to plan, implement and evaluate training programs to enhance specific fitness components.

Assessment: SACs 50%; End of year exam 50%

Uniform: All students are expected to be changed for all sessions, for health and safety reasons. This includes a School PE shirt, black shorts, skirts and/or tracksuit pants, a change of socks and a warm top for winter (preferably same colour as your house) and runners or sneakers, not school shoes. The PE uniform is compulsory at Daylesford Secondary College.

Unit Advisor: Mr Bones

3sPH1 - Physics
Units 3 and 4

Unit 3 - This unit focuses on the ideas that underpin much of the technology found in areas such as communications, engineering, commerce and industry. Motion in one and two dimensions is introduced and applied to moving objects on Earth and in space. Circuit models are applied to further aspects of electricity and electronics, and the operation and use of photonic devices are introduced. The detailed studies offer examples of theoretical and practical applications of these technologies. This unit consists of two prescribed areas of study: Motion in one and two dimensions; and Electronics and photonics as well as a detailed study of Materials and their use in structures.

Unit 4 - Consists of two prescribed areas of study: Electric power and Interactions of light and matter. A detailed study is to be chosen in either Unit 3 or Unit 4 from one of six detailed studies: Einstein’s special relativity, Materials and their use in structures, Further electronics, Synchrotron and its applications, Photonics, and Sound. This unit focuses on the development and limitations of models in explaining physical phenomena. A field model of electromagnetism is applied to the generation of electricity, and the development of models that explain the complex interactions of light and matter are considered. The detailed studies provide examples of innovative technologies used for research and communication.

Unit Advisor: Mr Dunn

3tWO1 - Product Design and Technology – Wood
Unit 3 and 4

In VCE Product, Design and Technology students assume the role of a designer-maker. In adopting this role, they acquire and apply knowledge of factors that influence design. Students address the design factors relevant to their design situation. The knowledge and use of resources is integral to product design. These resources include a range of materials, tools, equipment and machines needed to transform these materials in a safe manner into useful products. Increasingly, the importance of environmental sustainability is having an impact on product design and development. More sustainable approaches are therefore at the forefront throughout the product lifecycle.

Unit Advisor: Mr Sayn
3tME1- Product Design and Technology – Metals
Units 3 and 4
Marketing for a specific client is the theme of Units 3 and 4. A major production piece is to be made with detailed designs and drawings – computer generated if possible. Students complete an investigation on material processes from raw material to a product. Workplace health and safety issues are reported on. Design and production processes used are evaluated and reported on. Assessment: Coursework 20%; School Assessed Task 50%; November exam 30%.

Unit Advisor: Mr Sayn

3tTE1 - Product Design & Technology – Textiles
Units 3 and 4
Unit 3 Applying the Product design process: students examine the Product design process and develop skills in writing a design brief. Unit 4 Product development and evaluation: students produce their preferred option and evaluate the effectiveness and efficiency of the techniques used. Achievement of the outcomes for both unit 3 & 4 is determined by the satisfactory achievement of investigative activities, school assessed course work, design folio and product. There is a cost involved for both units and students are required to supply their own materials.
Final Assessment: Unit 3 SAC 12%, Unit 4 SAC 8%, SAT (design folio and product) 50%, end of year exam 30%.

Unit Advisor: Ms Gleeson

3sPS1 - Psychology
Units 3 and 4
Unit 3- The conscious self: This unit focuses on the study of the relationship between the brain and the mind through examining the basis of consciousness, behaviour, cognition and memory. Students study the structure and functioning of the human brain and nervous system, and explore the nature of consciousness and altered states of consciousness including sleep. Students also study the ways in which information is processed, stored and utilised. They apply different theories of memory and forgetting to their everyday learning experiences.
Unit 4- Brain, behaviour and experience: This unit focuses on the interrelationship between learning, the brain and its response to experiences, and behaviour. The overall quality of functioning of the brain depends on experience, and its plasticity means that different kinds of experience change and configure the brain in different ways. Students investigate learning as a mental process that leads to the acquisition of knowledge, development of new capacities and changed behaviours. Students build on their conceptual understanding of learning to consider it as one of several important facets involved in a biopsychosocial approach to the analysis of mental health and illness. They consider different concepts of normality, and learn to differentiate between normal responses such as stress to external stimuli, and mental disorders. The causes of mental illness and the avenues of assistance and factors that promote mental wellbeing are explored.

Unit Advisor: Ms Matthews

3aSA1 - Studio Art
Units 3 and 4
Studio Art provides a framework for the establishment of effective art practices through an understanding and application of the process of design. Unit 3 focuses on the implementation of an individual design process leading to the production of a range of potential directions and solutions. Students develop and use
exploration proposal to define an area of creative in developing their ideas. Unit 4 focuses on the production of a cohesive folio of finished artworks created from the previous work generated in Unit 3. This unit also involved an investigation into the art industry, the role of public and commercial galleries and other art spaces.

Unit Advisor: Ms Low

3tSE1 - Systems and Engineering
Units 3 and 4
VCE Systems Engineering involves the design, creation, operation and evaluation of integrated systems, devices and mechanisms that are made by combining a combination of mechanical, electronic and electrical sub-systems. This study can be applied to a diverse range of engineering fields such as manufacturing, land, water, automation, mechanisms robotics, and energy management. Systems Engineering considers the interactions of these systems with society and the natural ecosystems.
Unit 3: Integrated systems engineering and energy.
Unit 4: Systems control and new and emerging technologies.
Note: As this study requires the student to produce a functioning model, students are allowed some flexibility in their selection of systems studied and need to consider the cost and degree of difficulty required to complete the chosen production.

Unit Advisor: Mr Jones

3aTS1 - Theatre Studies
Units 3 and 4
Production development focuses on the interpretation of a play script through four designated stages of production. Students specialise in two areas of stagecraft, working collaboratively to put on the play. They analyse the influence of stagecraft on the shaping of the production. Students also attend a professional performance and analyse and evaluate the interpretation of the play script. Performance interpretation focuses on the interpretation of a monologue from within a specified scene through acting and other appropriate areas of stagecraft. They develop a theatrical brief that includes the creation of character, stagecraft possibilities and research. Students attend a professional performance and evaluate acting in the production.
Assessment: Coursework 45%, Performance exam 25%, Written exam 30%.

Unit Advisor: Mr Pickering

3aVC1 - Visual Communication and Design
Units 3 and 4
Unit 3: Design thinking and practice
In this unit students gain an understanding of the process designers employ to structure their thinking and communicate ideas with clients, target audiences, other designers and specialists. Through practical investigation and analysis of existing visual communications, students gain insight into how the selection of methods, media, materials and the application of design elements and design principles can create effective visual communications for specific audiences and purposes. They establish a brief and apply design thinking skills through the design process. They identify and describe a client, two distinctly different needs of that client, and the purpose, target audience, context and constraints relevant to each need.

Unit 4: Design development and presentation
The focus of this unit is the development of design concepts and two final presentations of visual communications to meet the requirements of the brief. Having completed their brief and generated ideas in Unit 3, students continue the design process by developing and refining concepts for each need stated in the
brief. They utilise a range of digital and manual two-dimensional and three-dimensional methods, media and materials. They investigate how the application of design elements and design principles creates different communication messages with their target audience.

Unit Advisor: Ms Rowbotham

VET and VET-VCE UNIT Descriptions

Presented in alphabetical order

1vAU1 and 3vAU1 - VET Certificate II Automotive Technology
Two Year Course
This course aims to provide students with the skills and ability to enhance their employment and further training prospects within the automotive and allied industries. Units of competence are completed over two years.
Students will cover topics such as workplace health and safety, using and maintaining tools and equipment, workplace communication, customer relations, identifying automotive parts and accessories and maintaining and servicing engines and components. Preference is given to VCE students.

Unit Advisor: Mr Jones

1vBC1 and 3bBC1 - Certificate II VCE VET Building and Construction
Partial completion of 21844VIC Certificate II in Building and Construction (Carpentry)
Pre-apprenticeship: Certificate II in Building and Construction is state accredited curriculum which provides students with the knowledge and skills to enhance their employment prospects in the building and construction industry (carpentry stream). A pre-apprenticeship is a nationally recognised qualification that has an automatic training and duration credit into the apprenticeship in the same industry area. A pre-apprenticeship training program prepares the student for entry into a trade based apprenticeship by equipping the student with foundation knowledge and skills.

Unit Advisor: Mr Sayn

1vFU1 - VET VCE Certificate II in Furnishings
Units 1 and 2
Full Year Course
Furnishing covers a wide range of work areas within the furnishing industry. Students undertaking this program will develop knowledge of timber and other furnishing materials and an ability to read plans while working on a range of projects. Certificate II in Furnishing provides students with a pathway into an apprenticeship in the furniture industry in areas such as cabinet making, upholstery, polishing, soft furnishing, picture framing, floor finishing and covering. Qualified tradespeople can be employed in occupations such as furniture/cabinet maker, picture framer, wood machinist and kitchen fitter etc.

Unit Advisor: Mr Sayn
3vFU1 - VET VCE Certificate II in Furnishing
Units 3 and 4
Full Year Course
Furnishing covers a wide range of work areas within the furnishing industry. Students undertaking this program will develop knowledge of timber and other furnishing materials and an ability to read plans while working on a range of projects. Second year offers scored assessment.

Unit Advisor: Mr Sayn

1vIT1- VET VCE Information Technology Certificate II
3vIT1- VET VCE Information Technology Certificate III
Please see Unit Advisor: Mr Dunn for information regarding these Units.

1vDM1 - VET VCE Interactive Digital Media - Certificate II
Units 1 and 2
Full Year Course
Students complete this vocational qualification as part of their VCE or VCAL. Successful completion of this course will give students a nationally recognised Certificate II, as well as account for 2 units towards their VCE or VCAL. Some units completed in Certificate II account for units in Certificate III. The course aims to provide students with knowledge and skills in the production of multimedia and to enhance employment prospects. It provides an understanding of digital design and a variety of software and hardware in work related tasks. Students develop skills that will assist them in the multimedia industry, such as: the creation and manipulation of 2D graphics and images; designing and creating webpages; and creating interactive sequences such as video or animation.

Unit Advisor: Mr Dunn

3vDM1 - VET VCE Interactive Digital Media – Certificate III
Units 3 and 4- Full Year Course
Students gain this vocational qualification by completing Certificate II in year 11 and additional units during Units 3 and 4, as part of their VCE or VCAL. Successful completion of this course will give students a nationally recognised Certificate III, as well as account for 2 units towards their VCE or VCAL. This course aims to provide students with knowledge and skills in the production of multimedia and to enhance employment prospects. It furthers skills and knowledge acquired in Certificate II and provides a solid understanding of software such as Photoshop, Flash and Dreamweaver. It provides a solid understanding of the design process and skills needed in the multimedia industry. Certificate III contributes towards the ATAR where students undertake the VCAA assessment task and exam at the end of Unit 4.

Unit Advisor: Mr Dunn

1vMU1 and 3vMU1 - VET VCE Certificate III - Music
Completion of Certificate III in Music prepares students for work in the music industry in areas such as performance, critical listening, music management and music promotions. Students need to complete Units 1 and 2: three compulsory subjects – 1. Implement copyright arrangement, 2. Work effectively in the music industry and 3. Follow occupational health and safety procedures PLUS five elective units. Units 3 and 4 offer scored assessment and include units such as developing improvisation skills, applying knowledge of genre to music making and performing music as part of a group or as a soloist.

Unit Advisor: Ms Verbyla
VCAL UNIT Descriptions

VvLI1- Literacy

VvNU1- Numeracy

VvW1- Work Related Skills

VvPD1- Personal Development Skills Strand

For a detailed description on VCAL Units please refer to our College Senior Learning Community Handbook.