

KAMBRYA

C O L L E G E

YEAR 10 SUBJECT SELECTION HANDBOOK



A GUIDE TO SELECTING YOUR LATER YEARS PATHWAY AT KAMBRYA COLLEGE

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INTRODUCTION

Kambrya College, in partnership with parents and the wider community, aims to provide an environment conducive to learning, in which all students can attain knowledge, skills and attitudes that demonstrate high levels of achievement enabling them to be lifelong learners and effective, successful, active and happy participants in the international community. In this context, students will have the opportunity to undertake studies in Year 10 Pre-VCE, Year 10 Pre-VCAL, VCE, VET in VCE, and VCAL throughout Years 10, 11 and 12.

Students have access to course counselling and vocational guidance with the final decisions being a joint responsibility of the student, parent and College. Where pre-requisites for further study or proposed tertiary courses are concerned, it is the responsibility of the student to check all of the information including the accuracy of the pre-requisites for tertiary courses. The VTAC website is an excellent resource for this process (www.vtac.edu.au).

Contained in this handbook are outlines of all units of study being offered at Kambrya College. Units will only run where sufficient student numbers exist for the classes. This decision is at the discretion of the College.

STAFF CONTACTS

Assistant Principal for VCE

Assistant Principal for Applied Pathways

VCE Leader

Applied Leader

Careers Coordinator

Careers VET/SWL Coordinator

Victorian School of Languages

Vocational Education & Training in Schools (VET)

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Mr Brett Wilson

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Ms Trish Jagusch

Ms Kelly Kinsella

Ms Kelly Kinsella

FORWARD THINKING: LATER YEARS PATHWAY PLANNING

Before making any decisions about subjects, it is important that both students and parents ensure they have an understanding of the pathways *beyond* Year 10. Please take the time to read this handbook thoroughly, and inform yourselves on options such as VCE and VCAL. The following sections provide an overview of these pathways:

Important questions to consider when choosing a pathway:

- What do I want to do with my future?
- Do I want to study at a University or TAFE?
- What are the prerequisites for the university courses I am interested in?
- Are there any subjects or subject combinations that may give me an advantage?
- Am I interested in beginning an apprenticeship or trade?
- What am I good at?
- What do I enjoy doing?
- What were my best subjects in year 10?
- Am I a 'book' or 'hands-on' person?

If you have not already done so, discuss the answers to these questions with your parents or Careers Advisor. You may wish to write down your answers to refer to when completing your form. Comprehensive course counselling will be provided to all Year 10 students at the beginning of term 3 to assist them in making decisions about their Later Years pathway.

VICTORIAN CERTIFICATE OF EDUCATION (VCE)

This is the academic pathway for students in Years 11 & 12. You **MUST** complete the VCE if you require an ATAR (Australian Tertiary Admissions Rank) for a tertiary course at either a University or TAFE. Around 50 percent of TAFE courses require an ATAR.

VICTORIAN CERTIFICATE OF APPLIED LEARNING (VCAL)

VCAL is a hands-on approach using applied learning as the focus. VCAL gives you practical, work-related experience as well as Literacy, Numeracy and Personal Development Skills. VCAL is offered at three levels: Foundation, Intermediate (usually Year 11) and Senior (usually Year 12).

YEAR 10 PATHWAYS

At year 10, students will have two distinct pathways available to them: Year 10 Pre-VCE or Year 10 Pre-VCAL. Overviews of these pathways are provided below. These two pathways provide targeted preparatory experience for the respective VCE and VCAL pathways into Year 11 and Year 12. Transition between the pathways at the end of Year 10 is not highly recommended, but it can be discussed on an individual basis.

YEAR 10 PRE-VCE

GENERAL INFORMATION AND SUBJECT DESCRIPTORS

YEAR 10 PRE-VCE OVERVIEW

This pathway is suitable for students who wish to pursue a VCE pathway in Year 11 and 12, however, it is also suitable for students who are unsure yet if they want to take the vocational pathway and just want to keep their options open.

Students undertaking the Year 10 Pre-VCE program will study:

- English (full year)
- Mathematics (full year – students may choose from General Mathematics or Mathematical Methods)
- Science (students will select two semester-long electives from the Science domain)
- Humanities (students will select two semester-long electives from the Humanities domain)
- Electives (students will select four semester-long electives, which can be undertaken from any domain including Science and Humanities). **Note:** Language, Music and VCE subjects are year-long electives which each count as two of the four semester-long elective choices

Every student will be required to list electives in order of their preference. Whilst every attempt is made to secure a student's first four preferences, this will not always be possible. The final decision regarding enrolment in electives rests with the Principal or his representative.

One elective each semester may be a Year 11 VCE sequence of study, however, eligibility to enrol in a VCE sequence is restricted to students who have demonstrated consistently above average results in their Year 9 studies. Entrance into VCE units is subject to the approval of the Later Years Leadership team who will consider the student's performance in Year 9, their suitability for VCE studies and the recommendations of classroom teachers. Preference for enrolment into VCE studies will be given to Year 11 students as a priority. Note that students who successfully enrol into a VCE Unit 1/2 sequence as a part of their Year 10 program must maintain at least an 80% average to continue the Year 12 Unit 3/4 sequence when they are in Year 11.

Semester One

In Commencement, students explore various persuasive texts and the techniques employed in them. They draw on the knowledge gained from this study to create and deliver their own oral presentation on a chosen issue. In Term One, students analyse persuasive media texts to examine their intended effect upon the reader. In Term Two, students read and analyse Harper Lee's *To Kill a Mockingbird*. They study aspects of the text including characterisation, themes, symbolism and the author's views and values. Students write a creative writing response addressing the gaps and silences in the novel as well as a text response essay to further develop their essay writing and analytical skills.

Semester Two

In Term Three, students read and analyse William Shakespeare's 'Macbeth'. They analyse the text in reference to the structures, features and conventions including characterisation, key themes and author's views and values. Students develop their knowledge of the socio-historical context, and hone their essay writing skills through drafting and feedback. In Term Four, students then compare the play 'Macbeth' with the film 'Wall Street' and compare and contrast the handling of themes and issues in both texts. Students cultivate their ability to write a properly constructed comparative text response essay.

MATHEMATICS SUBJECTS

Flow Chart of Mathematics Subjects in Later Years

STREAM	Year 10	Year 11	Year 12
General	General Mathematics →	VCE General Mathematics (Units 1 and 2) →	VCE Further Mathematics (Units 3 and 4)
Advanced	Mathematical Methods →	VCE Mathematical Methods CAS (Units 1 and 2) →	VCE Mathematical Methods CAS (Units 3 and 4)
Specialist <i>To be completed in conjunction with the Advanced Stream</i>	→	VCE Specialist Mathematics (Advanced) (Units 1 and 2) →	VCE Specialist Mathematics (Units 3 and 4)

All Year 10 students must choose one of the Year 10 Mathematics options above. In order to make the most appropriate choice of Mathematics, please read the following subject descriptions and liaise with your current mathematics teacher and/or the Head of Senior Mathematics.

GENERAL MATHEMATICS

This subject is designed for students who demonstrate good mathematical knowledge and understanding at the expected standard during Year 9 and are intending to continue to VCE General Mathematics. Semester One areas of study include: algebraic techniques; financial mathematics; linear functions and relations; solution of equations; quadratic functions and graphing; networks and matrices. Semester Two areas of study include: measurement; trigonometry; statistics and number patterns. Assessment will include a range of topic tests, problem-solving projects, application tasks and ICT-based assessment.

MATHEMATICAL METHODS

This subject is designed for students who exhibit mathematical knowledge and understanding above the expected standard at Year 9 and intend to undertake advanced VCE Mathematics at Years 11 & 12. Assessment structure is modelled after VCE Mathematical Methods and will include examinations and SAC type projects. Semester One areas of study include: algebraic techniques; functions and relations; equations; quadratic functions and curve sketching. Semester Two areas of study include: statistics; trigonometry; circular functions; discrete and continuous probability. Assessment will include SAC-like assessment tasks including topic tests, application tasks and analysis tasks.

*** Students undertaking Mathematical Methods will be expected to purchase a TI-Nspire CX CAS Calculator.**

Students must undertake a minimum of two Humanities subjects from the list below. Each subject is a semester in duration.

GENERAL HUMANITIES: HISTORY & GEOGRAPHY (ELECTIVE)

History focuses on modern Australian history covering historical events from post-World War 1 (1918) through to historical issues that create debate and discussion in modern day Australia. Studies focus on World War II and rights and freedoms of Aboriginal Australians. When learning about these events and time period, students will explore the cause and effect relationship between historical events. With an inquiry approach, students will research and evaluate a range of sources to interpret historical events and people and present arguments including historical context and appropriate referencing to support their conclusions.

Geography examines the geographies of human wellbeing, with a focus on the developing world and issues related to political, historical, social and economic factors that influence development in different regions of the world. Students are exposed to geographical spatial concepts and are expected to present maps and data using geographical language and conventions.

This elective will prepare students for undertaking VCE History and VCE Geography.

THE BUSINESS OF MAKING MONEY (ELECTIVE)

In this course, students will learn about the day-to-day operations of a small business. Students will be exposed to the areas of management responsibility relating to bookkeeping, financial management, goal setting, marketing, corporate social responsibility, accessing finance and classification of business. Students will build skills relating to teamwork, problem solving and effective business decision making and planning. The subject will culminate in the implementation of business and accounting concepts into a practical market stall with proceeds being used to support a charity of the students choosing. The subject will be split into three units; business management, accounting and market stall.

In the Business Management unit, students will learn about the context for which businesses operate in Australia. This includes a focus on different types of businesses including for-profit and not-for-profit organisations and the distinction between business sizes and the impact size has on business operations. Students will develop specific skills relating to the use of management terms, acquiring and exchanging business information and ideas, researching and analysing business information and data and applying business knowledge to practical examples.

In the Accounting unit, students will study the management of cash flow, sources of finance, choosing appropriate suppliers, developing and analysing business budgets, calculating break-even point and profit. Students will develop skills in financial decision-making and problem solving. In addition to providing practical understanding of how to effectively manage personal and business finances.

This elective will prepare students for undertaking VCE Business Management and VCE Accounting.

POP-CULTURE AND PHILOSOPHY (ELECTIVE)

The purpose of this unit will be to analyse several popular culture resources and the philosophical ideas that arise from them. The students will investigate two areas of Philosophy: Ethics; including an analysis of the different ethical theories that relate to superheroes such as Batman, Spider-man, Captain America and others, and The Nature of Reality; including investigations into whether we can believe in the reality of our world and the possibility that reality may not be what we think it is. These ideas will be investigated through sources such as 'The Matrix', 'Buffy the Vampire Slayer' and others.

This elective will prepare students for undertaking VCE Philosophy.

LAW AND ORDER (ELECTIVE)

In this unit students will develop knowledge of the origins and nature of Australia's legal system. Students will explore the roles and responsibilities of courts at state and federal levels, the key aspects of civil and criminal law, and the impact that current legal issues have on decision-making. The course includes an excursion to the Dandenong Magistrates court where students will witness the justice system in action, study of contemporary representations of legal principles through fictional adaptations and a debating unit, where students can work in teams to persuade their classmates of informed points of view.

This elective will prepare students for undertaking VCE Legal Studies, but is also useful for those wanting to obtain some good general civic knowledge as well as learn transferrable skills that could help across all Humanities subjects at VCE.

MAKING AMERICA - HISTORY (ELECTIVE)

Why did a newly formed nation, created to avoid the tyranny and religious oppressiveness of European Empires then go and tear itself apart over the enslavement of other peoples? What was a Boston Tea Party and why do we care? Why was Abraham Lincoln so pivotal to the future of the America we know today? These and many other questions are explored and analysed as we look through America's earliest History to explain its political and geographical origins, its people, places and ideological concepts that came to create the Super Power of democracy that we know today.

This elective will prepare students for undertaking VCE History.

THE WAR ON DRUGS (ELECTIVE)

In this course, we will be investigating the effects that drugs and cartels have on the developing world. Students will develop skills in sociological report writing, investigative abilities and inquiry to develop critical thinking skills. Students will explore the impact that illicit drugs and crime have had, through a case study on the people of Mexico, in both positive and negative ways due to the influence of a globalising world. Students will learn to assess and evaluate public issues using theoretical lenses. Beginning with the understanding of how public issues impact the individual and how the individual exacerbates the issue, students will critically analyse how the demand for drug production has affected South America, focusing on its impact to culture, social contexts, and the technological and economic advancements. Students will focus on the geography of the continent to understand how this may impact drug and human trafficking on a global context, focusing particularly on the interconnection between climate, landscape and supply and demand. Students will focus on the socio-political context and discuss how governments influence these public issues, using data and research to develop these understandings. Students will not require a textbook for this course. Computers are required to participate in this subject.

This elective will prepare students for undertaking VCE Sociology.

SCIENCE SUBJECTS

Students must undertake a minimum of two Science subjects from the list below. Each subject is a semester in duration.

BIOLOGY (ELECTIVE)

In the study of Biology, students will focus on the structure and function of cells. This includes biochemical processes such as photosynthesis and cellular respiration. Students will also study DNA, genes and chromosomes. They will explore the cell cycle and patterns of inheritance. They will also investigate evolutionary changes to a population over time. Students will develop experimental design and scientific research skills through the creation of a scientific poster. Students will model cellular processes and have access to a range of practical components and activities.

This elective will prepare students for undertaking VCE Biology.

CHEMISTRY (ELECTIVE)

Ever wondered why you need to add butter to a cake mix or why soft drink fizzes when you open the lid? In the Chemistry elective, students will explore the atomic model and the nature of the nucleus, chemical bonding, the nature of acids and bases and some of the most widely used chemical reactions. Chemistry will open your eyes to hidden dangers and marvellous opportunities that are only known to the elite science geeks.

This elective will require students to have mathematical problem-solving skills, critical thinking and organisational skills. As part of the assessment for the elective, students will be required to design and conduct their own investigation and present their findings in a VCE style scientific poster.

This elective will be a prerequisite for undertaking VCE Units 1 and 2 Chemistry.

ENVIRONMENT OF THE EARTH (ELECTIVE)

In this elective, students will explore the interactions and interconnectedness between humans and their environments and analyse the functions of both living and non-living elements that sustain Earth Systems. Students will investigate and execute a school Biodiversity Audit. Climate change modelling will also be explored at school and via an excursion. Students will examine the structure of the Earth, its biological cycles and the dynamic processes that shape our planet.

This unit will prepare students for undertaking VCE Environmental Science.

EXERCISE SCIENCE (ELECTIVE)

This elective provides students with the opportunity to develop an understanding of the theoretical and practical aspects of Exercise and Sports Science. Students will investigate acute and chronic adaptations that occur during exercise while developing their understanding of the energy systems that contribute to the body's ability to perform. The unit will introduce students to biomechanical principles that allow them to analyse movement patterns and improve performance in physical activity. Students will develop an understanding of energy systems and the role they play during exercise. Students will have the opportunity to apply their knowledge mainly through theoretical sessions supported by a number of practical laboratory sessions.

This elective will prepare students for undertaking VCE Physical Education.

PHYSICS (ELECTIVE)

In this elective, students will be studying units of Motion & Electromagnetism. Students will explore the effects of forces on the motion of objects and analyse mathematical models to make predictions during practical experiments. In the study of Electromagnetism, they will investigate the effects of magnetic and electric forces and their application in electric motors and generators. They will design and conduct a practical investigation based on their own individual research question. As Neil DeGrasse Tyson says "A little-known secret is that a Physicist is one of the most employable people in the marketplace. A Physics is a trained problemsolver"

This elective will be a prerequisite for undertaking VCE Units 1 and 2 Physics.

PSYCHOLOGY (ELECTIVE)

This unit introduces students to scientific research methods, report writing and psychological principles. The course will include an introduction to the brain, sports psychology, memory enhancement and forgetting, mental health and forensic psychology. Research methods will be explicitly taught and used throughout the course as it is assessed in each unit of VCE Psychology.

This elective will prepare students for undertaking VCE Psychology.

STEAM (ELECTIVE)

Students who undertake STEAM as an elective will expect to combine aspects of Science, Technology, Engineering, Arts and Mathematics in various projects throughout the semester. These include designing and building a pressure propelled rocket using Computer Aided Design (CAD) and investigating sustainable and renewable energy in model homes and in everyday life. Students will further investigate and monitor the growth of crops and how to increase properties such as nutrients and size. Finally, students will conduct a report on these major projects to reflect on their findings and form conclusions on their build efficiency and future improvements.

This elective will prepare students for undertaking VCE Mathematics and Science subjects.

COMPUTING (ELECTIVE)

This elective will look at the function and application of the Microsoft office packages, with a special focus on Database Management using Microsoft Access. They take into account privacy and security requirements when selecting and validating data and use digital systems to analyse, visualise, and model data. Students will also explore Networks, looking at how they function and design network solutions to fit a design brief. This subject introduces the students to programming with a choice of coding platforms such as Scratch using scripts, to an object-oriented programming language such as Visual Basic to enable them to write codes, and Unreal Engine.

This elective will prepare students for undertaking VCE Computing.

FOOD TECHNOLOGY – CAFÉ CULTURE (ELECTIVE)

This semester long course will provide opportunities for students to study and experience Melbourne's café culture. Students will have the opportunity to produce a variety of café foods including breakfasts, light meals, cakes and coffees. Course outcomes will be achieved through a series of design briefs allowing students to investigate, design, produce and evaluate food and drink products. A range of complex equipment and ingredients will be utilised during the semester. Café Culture allows students to pursue interests in various hospitality vocations including pastry work, café style and baristas, giving each student the grounding, which could lead to an apprenticeship, or further studies in VCE Food Studies or VET Hospitality.

FOOD TECHNOLOGY – WORLD OF FOOD (ELECTIVE)

This semester long course will provide opportunities for students to study Australian and global food perspectives, and to study food patterns and customs around the world. The students develop skills through the use of key foods and cooking techniques associated with selected ingredients. Students have the opportunity to explore different cultures through the investigation and production of a variety of dishes. Course outcomes are achieved through a series of design briefs allowing students to investigate, design, produce and evaluate food products. A range of complex ingredients and equipment are utilised during practical classes and students need to demonstrate their use safely and hygienically.

This elective will prepare students for undertaking VCE Food Studies and VET Hospitality.

ROBOTICS (ELECTIVE)

This program focuses on a hands-on approach to engineering and robotic fundamentals as the basis of understanding concepts, principles and components that operate in mechanical and electronic systems. The students will be given an opportunity to develop skills in understanding systems design, manufacturing, identifying and describing different types of complex systems, mechanisms and applications. Students will also be given the opportunity to use mathematical calculations and applied physics to explain real world physical characteristics.

Students will further develop programming skills through the use of the Arduino programming platform and learn about basic electronics and circuitry through the introduction of embedded systems and robotics. Students will have the opportunity to build a beginner friendly, Arduino robot, which will enable them to experiment with custom circuits. Students will experience more complex autonomous programming of their robots using touch, light and infrared sensor circuits, allowing the Shield-Bot to navigate on its own on a robotics challenge mat.

This elective will prepare students for undertaking VCE Systems Engineering.

EXERCISE SCIENCE (ELECTIVE)

This elective provides students with the opportunity to develop an understanding of the theoretical and practical aspects of Exercise and Sports Science. Students will investigate acute and chronic adaptations that occur during exercise while developing their understanding of the energy systems that contribute to the body's ability to perform. The unit will introduce students to biomechanical principles that allow them to analyse movement patterns and improve performance in physical activity. Students will develop an understanding of energy systems and the role they play during exercise. Students will have the opportunity to apply their knowledge mainly through theoretical sessions supported by a number of practical laboratory sessions.

This elective is also falls under the Science Electives and will prepare students for undertaking VCE Physical Education.

HEALTH DEVELOPMENT AND PROMOTION (ELECTIVE)

This elective will explore the dimensions of health and wellbeing and apply them to various case studies and population groups. The promotion of health and wellbeing through healthy eating is explored, as well as the impacts of poor nutrition on health. The unit will investigate Respectful Relationships and how to promote and model respect, positive attitudes and behaviours. Students will research a youth health issue and evaluate the effectiveness of Australia's health promotion programs. The concepts learnt in 'Promoting Health and Wellbeing' will increase students' health literacy.

This elective will prepare students for undertaking VCE Health and Human Development.

SPORT DEVELOPMENT AND COACHING (ELECTIVE)

This elective provides students with the opportunity to develop an understanding of injury management including causes of sports injuries, ways to prevent injuries, immediate injury management procedures and the role of health professionals. Students will gain an understanding of how to enhance their performance through nutrition, training and rehabilitation methods. They will also investigate principles of coaching, whilst developing their abilities as a coach. Students will develop their teamwork and organisational skills whilst assisting in planning and implementing a range of recreational events. They will gain an understanding of Work Health and Safety and Organisational policies and procedures that apply to the industry. All theoretical concepts are supported via practical activities.

This elective will prepare students for undertaking VCE Physical Education and VET Sport and Recreation.

LANGUAGE SUBJECTS

Students choosing a language do so as a year-long elective. This means that it counts as two elective choices. Also note that Year 10 Japanese and German are compulsory prerequisites for VCE study in the respective languages.

GERMAN (ELECTIVE)

The aim of Year 10 German language study course is to consolidate knowledge of the German language and skills students have gained in their junior years and as a preparatory course for the VCE second language study. Through the exploration of German culture students build their reading, writing, speaking, viewing and listening skills through a range of topics related to students' everyday worlds and broaden their knowledge with the goal of improving their communicative and comprehension abilities.

JAPANESE (ELECTIVE)

The aim of Year 10 Japanese language study course is to consolidate knowledge of the Japanese language and skills students have gained in their junior years and as a preparatory course for the VCE second language study. Through the exploration of Japanese culture students build their reading, writing, speaking, viewing and listening skills through a range of topics related to students' everyday worlds and broaden their knowledge with the goal of improving their communicative and comprehension abilities.

DANCE (ELECTIVE)

Year 10 Dance extends students' choreographic abilities and movement possibilities with the use of choreographic devices and form. Students will explore improvisation and choreographic devices to expand their movement vocabulary and create dance phrases and works. Students will choreograph, learn, rehearse and perform group works as well as a solo, developing and refining technical and expressive skills and applying production elements. Students will learn about safe dance practices, including dance anatomy, warm up and cool down processes, injury prevention and injury treatment. Students will watch and analyse dance works to develop their own dance perspectives and influence their own works. This will include viewing a professional dance performance. It is recommended that students enrolling in Year 10 Dance have some prior experience or are taking part in dance tuition outside of school, although this is not essential. This elective will prepare students for undertaking VCE Dance.

DRAMA (ELECTIVE)

The study of Drama focuses on the creation and performance of characters and stories, which may be taken from students own experiences, figures in history, or pure imagination. In this subject, students develop their play-making techniques, expressive skills and performance skills, to create and perform devised work, including ensemble and solo performance. They will develop their understanding of non-naturalism and some of the devices used to create non-naturalistic performance through exploration of different theatre styles. Students will take part in the Malthouse Theatre 'Suitcase Series', an innovative program which empowers young people to tackle world issues through theatre. They will develop and expand their theatre-making skills, working to devise their own works in response to a specially commissioned script, before viewing Malthouse Theatre's full professional production of the play. Additionally, students will analyse the development of their own work and performances by other drama practitioners. This subject centres around the creation and understanding of performance work, including a combination of fun, hands-on tasks and varying opportunities for students to express their creativity and expand their abilities as play-makers and performers. This elective will prepare students for undertaking VCE Drama.

MUSIC (ELECTIVE)

This elective is designed as a year-long course that builds and expands on the musical skills that students have developed in Year 9 Music. An **instrument specific practical/performance-based course**, Year 10 Music identifies and touches on the key skills and knowledge that appear in Units 1 and 2. CATs are similarly designed and applied, as are performance criteria, effectively creating a pre-VCE course. **Students are required to perform in one recital performance per semester** (three solo pieces in semester 1 | two solo pieces in semester 2) during the year as part of their assessment. Group performance is also a focus. **Students present technical work related to recital repertoire** and further develop their abilities in aural recognition and music theory; skills which are designed to make them better musicians overall, preparing them for entry into VCE Music Performance Units 1 and 2.

It is recommended that students enrolling in this subject have completed Music electives at Year 7, 8 and/or 9, although this is not essential if students have some previous musical background. **Students who do not know how to play an instrument in some way are not advised to undertake Year 10 music due to the specialisation and focus on playing an instrument.** Vocal students may have different circumstances. In addition to some experience on their instrument/voice, students should have a **positive attitude towards musical performance and a willingness to perform in front of others.** It is strongly expected that students enrolling in this subject be taking instrumental music lessons and have access to an appropriate instrument and practise space out of school. The College can provide highly affordable access to tutors (instrumental tuition is compulsory in VCE Music). It is a requirement that students will **regularly practise their instrument/voice at home** as part of their ongoing musical development. A challenging but fun and rewarding subject, Year 10 music enables students to express themselves as a musician whilst honing their musicianship skills.

MEDIA (ELECTIVE)

In this elective, students explore media advertising, looking at different approaches and different media outlets. Students will evaluate, analyse and produce advertising material based on the theories discussed. Throughout this semester, students will gain a stronger understanding of themselves as consumers and the 'power' of the media to market audiences based on demographics. Students explore the power struggle between Pepsi and Coca-Cola to understand how advertising has shaped the world. Students work on creating media products; both in a team environment and individually.

This elective prepares students for undertaking VCE Media.

STUDIO ART (ELECTIVE)

This unit aims to provide students with a wide variety of exposure and experiences to Studio Art by exploring a range of media such as painting, drawing, printmaking, ceramics, sculpture and alternative materials. Students develop a personal visual folio of two-dimensional and three-dimensional work through observational and conceptual drawings. Students will discover contemporary and historical art movements and styles. These are studied through a research assignment and creation of artworks inspired by this exploration.

This elective prepares students for undertaking VCE Studio Art.

VISUAL COMMUNICATION DESIGN (ELECTIVE)

This unit aims to build on the fundamental knowledge and skills for industrial and architectural design. Students use technical, freehand and computer-generated drawing and other two-dimensional and three-dimensional work. Students learn about the development of designing, promoting or enhancing products through the use of a brief. This is done through the process of researching, designing, interpreting and analysing historical and contemporary design. Students use computer design programs such as Adobe Illustrator to further enhance their design skills.

This elective prepares students for undertaking VCE Visual Communication Design.

YEAR 10 PRE-VCAL

GENERAL INFORMATION AND SUBJECT DESCRIPTORS

YEAR 10 PRE-VCAL

Please note that enrolment in this pathway is limited. **Enrolment is competitive and based around a rigorous process of a written application and an interview.** All applicants must be approved by the Principal or their representative to secure placement in the program.

This pathway is suitable for students who wish to pursue a VCAL pathway in Year 11 and 12. It is designed for students who enjoy applied learning and who wish to start a Later Years pathway that will guide them towards further TAFE education or on the job training. Students who desire apprenticeships or full-time work at the end of Year 12 should definitely choose this pathway. **The Pre-VCAL pathway requires hard work, both at school and on the job. Students offered the Pre-VCAL option, must complete all coursework and meet all outcomes in order to progress into the Intermediate VCAL program. Students will be required to secure a Structured Work Placement for one day a week in an industry that is relevant to their intended career. (Minimum of 100hours)**

Students will study the core subjects of English and Maths. Additionally, they will undertake a Work Skills Core subject (Skills for Work/Skills for Life). Students will be required to select a Vocational Education and Training (VET) program. **They must choose their VET program from those delivered on site at Kambrya College. Detailed descriptions of our onsite VET programs are provided in the final section of this handbook.**

Students will also choose **ONE** elective **per semester from the electives available.**

Example: Year 10 Pre-VCAL Course Selection

**Indicates a compulsory subject*

Students undertaking the Year 10 Foundation VCAL program will complete each VCAL subject for the full year :

Monday/Tuesday/Thursday	Wednesday/Friday
<ul style="list-style-type: none">• Literacy• Numeracy (includes enrolment in VCE Foundation Mathematics Unit 1)• Personal Development Skills (Units 1 and 2)• Work-related Skills (Units 1 and 2)• VET Creative Industries (Certificate II attainment)VCAL Elective	<ul style="list-style-type: none">• Industry-Specific VET• Structured Work Placement

SUBJECT CHARGES

Many of the subjects offered as a part of this elective program consume a large quantity of materials/consumables above and beyond those that are offered by the standard curriculum. Where a small fee applies, it is typically to cover the cost of a resource book in lieu of purchasing a textbook. By choosing electives that have charges, parents and students also accept the incursion of the following materials charges in line with the Parent Payment Policy (viewed on the Kambrya College website www.kambryacollege.com).

Please note: The materials charges will be available on the VCE/VCAL section of the website and reviewed annually.

Literacy (COMPULSORY FOR YEAR 10 PRE-VCAL)

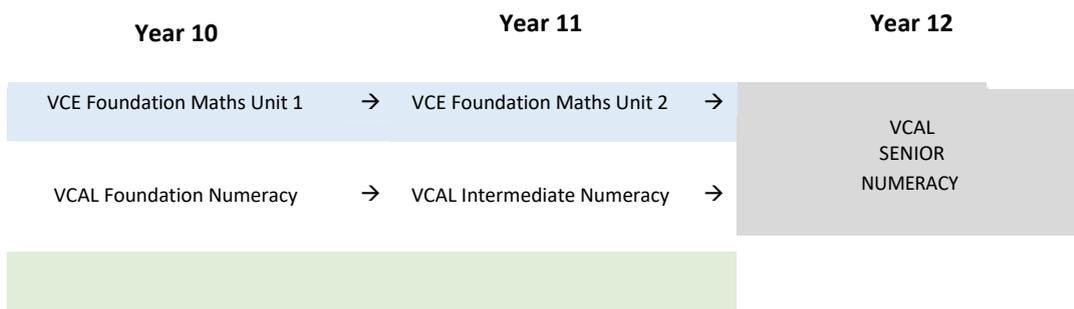
The purpose of this unit is to enable students to develop the knowledge, skills and attributes to read and write simple or short texts. Texts deal mainly with personal and familiar topics, as well as including some unfamiliar aspects. At this level students, often with support, use the writing process with an awareness of the purpose and audience of the text. In reading, students are able to identify the main point of the text, some key details and express an opinion about the text as a whole as well as some of the details. At the end of the Foundation Reading and Writing unit, students should be able to read and comprehend a range of simple short texts and write a range of short texts in a number of contexts which may be interrelated.

MATHEMATICS SUBJECTS- VCAL FOUNDATION MATHS

The purpose of this unit is to enable students to develop the confidence and skills to perform simple and familiar numeracy tasks, and develop the ability to make sense of mathematics in their daily personal lives. The mathematics involved includes numbers and data, financial literacy, time and location, measurement and design, and the use of software tools and devices. On completion of this unit, students are able to perform everyday mathematical tasks that involve a single mathematical step or process. Students are able to communicate mathematical ideas using highly familiar contexts and common everyday language and mathematical notation.

All students undertaking the Pre-VCAL pathway will be required to undertake Unit 1 VCE Foundation Mathematics and VCAL Foundation Numeracy.

FLOW CHART OF MATHEMATICS SUBJECTS IN YEAR 10 AND LATER YEARS



WORK STUDIES (LEARNING FOR WORK/LEARNING FOR LIFE)

This unit provides a focus on development of work-related and pre-vocational skills in the context of practical work-related experiences. This is through:

- integrating new learning about work skills with prior knowledge and experiences;
- enhancing the development of employability skills through work-related contexts;
- developing basic critical thinking skills that apply to problem-solving in work situations;
- developing basic planning and work-related organisational skills;
- developing transferable skills for work-related contexts.

Computer Technology

This unit is for students to prepare adequately for the workplace using Information Computing Technology. Students will use office programs to represent data, manipulate data sets and develop useful and interesting charts and graphs. Students will develop an interactive game that they will teach to a year 7 student. They will also compile their work in an interactive digital portfolio.

FOOD TECHNOLOGY

This unit involves students investigating, designing and producing food items. Practical work will form a substantial part of this elective. Student will have the opportunity to be creative and chose a number of dishes that they would like to prepare. Safe and responsible use of materials, tools and techniques is essential in the Food Technology course. Students will identify causes of food spoilage and food poisoning and expand their knowledge of safe food handling procedures that need to be followed. Students gather and use information for design purposes, present design ideas and solutions and apply appropriate evaluation techniques to a food project. Please note there is fee associated with subject and it is expected that this is paid prior to students commencing the unit.

PERSONAL HEALTH & FITNESS

This unit looks at the development of humans throughout their lifespan. Students will look at the changes that occur and the responsibilities that they may encounter as they transition from youth to adulthood. They will investigate a variety of factors that influence personal health, such as nutrition, and develop an understanding of ways to look after their health. In addition to this, they will learn how to look after their personal fitness, having an opportunity to engage in fitness sessions in the weights facility. Please note there is fee associated with subject and it is expected that this is paid prior to students commencing the unit.

PHYSICAL EDUCATION

This unit students looks at developing an understanding of skill acquisition, how to learn new skills and what impacts on an individual's ability to complete these skills. They will gain an understanding on the roles involved in running a sport competition and how to use knowledge of key coaching roles and responsibilities to coach individuals to be more effective at executing skills. Students will also undertake an analysis of a range of recreational facilities in the local area and will design a new recreational facility. Students will also develop their knowledge of illegal and legal performance enhancing strategies. They will also investigate strategies that assist with recovery from activity and how these can be applied to a range of sports. Please note there is fee associated with subject and it is expected that this is paid prior to students commencing the unit.

STUDIO ART

In this subject students will develop their skills and understanding of the artistic ways to use different forms of media. Students will investigate artworks by artist from various parts of the world and eras, and produce their own images or pieces of art. Students in this unit will paint, draw and use media such as charcoal and pastels. Please note there is fee associated with subject and it is expected that this is paid prior to students commencing the unit.

WOOD TECHNOLOGY

This subject will be a skill based woodwork class, with a focus on the skills and techniques required to complete a furniture piece, as well as highlighting the importance of following the design process. In this unit, students will either work individually or collaboratively to produce a piece/pieces of work that utilise the skills of woodcraft. Students will also learn to produce, work to and manage timelines for production, as well as creating a folio for presentation. Please note there is fee associated with subject and it is expected that this is paid prior to students commencing the unit.

LITERACY SUPPORT

This elective has been developed to provide students who may need that extra support in Literacy. It will further develop their skills and attributes to read and write simple or short texts. Texts deal mainly with personal and familiar topics, as well as including some unfamiliar aspects. At this level students, often with support, use the writing process with an awareness of the purpose and audience of the text. In reading, students are able to identify the main point of the text, some key details and express an opinion about the text as a whole as well as some of the details. At the end of the Foundation Reading and Writing unit, students should be able to read and comprehend a range of simple short texts and write a range of short texts in a number of contexts which may be interrelated.

NUMERACY SUPPORT

The purpose of this unit is to help develop the confidence and skills in students who require extra support with their Numeracy. It will assist them further to perform simple and familiar numeracy tasks, and develop the ability to make sense of mathematics in their daily personal lives. The mathematics involved includes numbers and data, financial literacy, time and location, measurement and design, and the use of software tools and devices. On completion of this unit, students are able to perform everyday mathematical tasks that involve a single mathematical step or process. Students are able to communicate mathematical ideas using highly familiar contexts and common everyday language and mathematical notation.

VET

GENERAL INFORMATION AND SUBJECT DESCRIPTORS

VET (VOCATIONAL EDUCATION AND TRAINING)

VET programs are available to senior secondary students as part of their VCE or VCAL program. They are available in a range of industry areas and on completion, students receive a nationally recognised certificate as well as credit towards their VCE or VCAL program.

Students combine school-based studies with a VET program which may involve attending a TAFE college, a Registered Training Organisation (RTO) or a workplace for training. VET programs involve competency-based learning, which means students perform tasks and duties to the standard expected in employment.

Structured industry work placement with an employer in the relevant industry area is a component of some VET programs. The hours required in a structured work placement varies between VET certificates. Work placement may be completed one day per week or in week-long blocks. Students undertaking a VET program as part of their VCE studies will generally miss one day per week of timetabled classes (usually Wednesdays) due to external training or work placement. It is the responsibility of the student to ensure that they are still able to satisfactorily demonstrate the learning outcomes for all of their VCE units.

Some VET programs include a scored assessment that allows the VET program to contribute to the VCE student's ATAR. In order to receive the VET qualification, it is important to note that students must undertake the entire Unit 1 → 4 structure of a VCE VET program (both years 11 and 12).

VET COURSES AT KAMBRYA COLLEGE

VET is an acronym for Vocational Education and Training, and provides students with the opportunity to complete a nationally recognised Certificate II or III training course as a component of their Later Years education. Kambrya College takes great pride in its extensive range of high quality VET programs, and we have made significant investments into our VET training facilities to ensure that we provide our students with high quality equipment and instruction.

- Students who are enrolling in Pre-VCAL **MUST** enrol in one VET course at Kambrya College.
- Students who are enrolling in Year 10 Pre-VCE **MAY** apply for a VET course at Kambrya College (if they are available), but are not guaranteed a placement. This remains at the discretion of the College.

Some VET courses are delivered at Kambrya College on either WEDNESDAY or FRIDAY and generally run for the equivalent of 6 periods on that day. Each VET course attracts a charge for the use of materials and excursions. **There is a \$250 up-front payment required at the time of applying for VET courses to secure the placement. The full amount of the materials charge MUST be paid before the start of the academic year in February. Students will be withdrawn if materials charges are not paid.** All VET courses are subject to sufficient numbers of enrolments; the College has the discretion to cancel VET courses if inadequate enrolments make them unviable.

VET CERTIFICATE II IN PLUMBING (PRE-APPRENTICESHIP)

COURSE DESCRIPTION

The VET plumbing program is drawn from a national training package and offers students an opportunity to participate in a broad-based training program relating to the plumbing industry. This course is designed to provide entry level training if you want to pursue employment and career opportunities within the plumbing industry. It is an extremely diverse industry, involving the installation of hot and cold water systems, above and below ground drainage, roofing and rainwater goods. Plumbers are also required to install appliances and sanitary fixtures, heating and cooling equipment, and maintain plumbing systems in domestic and commercial buildings. The plumbing industry is important to every economy due to the need for clean water and the proper collection and removal of wastes and sustainability. Kambrya will be offering Certificate II Plumbing as a two-year program.

CONTRIBUTION TO THE VCE/VCAL:

VCE Credit: Credit is awarded in the VCE on the basis of achieving units of competency. Credit is determined by the AQF level and the nominal hours of the units of competency. This program does NOT provide a Unit 3 and 4 sequence.

VCAL Credit: This program meets the requirements of the Industry Specific stream for both Intermediate and Senior VCAL.

FURTHER TRAINING & EMPLOYMENT POSSIBILITIES

- Certificate III in Plumbing and Gasfitting
- Mechanical or air-conditioning apprenticeship
- Various apprenticeships in building and construction industry

VET CERTIFICATE II IN SALON ASSISTANT (HAIRDRESSING)

COURSE DESCRIPTION

The Certificate II in Salon Assistant (Hairdressing) is a twelve-month course. It aims to provide participants with the knowledge and skills to achieve competency that will enhance their employment prospects in the hairdressing or hairdressing related industries. Students can undertake this course whilst completing their VCE or VCAL classes. Students will receive training in the practical skills of styling, removal of chemicals and basin services and undertake theory studies in client communication.

FURTHER TRAINING & EMPLOYMENT POSSIBILITIES

Future training pathways include:

Certificate III in Hairdressing
Certificate IV in Hairdressing
Diploma of Salon Management

Future careers paths may include:

Hairdresser/Salon Manager
Retail sales

VET CERTIFICATE III IN BEAUTY SERVICES

COURSE DESCRIPTION

This two-year program will offer students the opportunity to undertake a Certificate III qualification whilst completing their year 11 and 12 VCE or VCAL classes. Students will undertake studies in waxing, manicure and pedicure, make-up, business communications, retail, spray tanning and nail enhancement. Successful completion of this certificate can lead to employment prospects as a beautician, beauty therapist, nail technician or retail cosmetic consultant.

FURTHER TRAINING & EMPLOYMENT POSSIBILITIES

Further training pathways include:

- ☐ Certificate IV in Beauty
- ☐ Diploma of Beauty Therapy

Note: There is a possibility that students may be able to enrol in both Hair and Beauty Certificates across two days. This would require the student to complete their work placement requirements outside of school hours. This is dependent upon 2019 timetable development, and will be confirmed for students during Term 3.

VET CERTIFICATE II IN CONSTRUCTION PATHWAYS

COURSE DESCRIPTION

This course will provide students with the basic knowledge and skills to prepare you for work or further study within the Building and Construction industry. Students will receive an introduction to the industry and workplace safety, how to perform industry calculations and use carpentry hand and power tools. Students will cover topics such as sub-floor construction, wall and roof framing, installing window and doorframes, and formwork for concreting. You will also develop your communication skills and learn about workplace documents and plans. The VET program is drawn from a national training package and is designed to provide entry level training if you want to pursue employment and career opportunities within the Building industry.

Certificate II Building & Construction will be offered as a potential dual certificate the end of the first year to students who have demonstrated a high level in achieving competency in all outcomes.

CONTRIBUTION TO THE VCAL:

VCAL Credit: This program meets the requirements of the Industry Specific stream for both Intermediate and Senior VCAL.

Note: Building and Construction will not be delivered at Kambrya as a VCE unit subject.

FURTHER TRAINING & EMPLOYMENT POSSIBILITIES

- ☐ Carpentry / Bricklaying / Plastering / Painting & Decorating / Stone Mason / Tiling Apprenticeship (Certificate III in General Construction)
- ☐ Certificate IV in Building and Construction (Building)
- ☐ Diploma of Building and Construction

VET CERTIFICATE III IN SPORT AND RECREATION

COURSE DESCRIPTION

Kambrya College offers the Certificate III in Sport and Recreation for Year 10 and 11 students in school at Kambrya College. This is a two-year program that will introduce students to the employment and educational opportunities within the Sport and Recreation industry. The focus of the program will be on developing the skills, knowledge and confidence to work in the areas of community recreation. Students will develop leadership and organisational skills through theory and practical sessions, in the class and the workplace. There is a blend of hands-on theoretical learning about the Sport and Recreation industry. In second year, students will have the option to complete scored assessment to gain a study score for the subject. This will contribute to a VCE student's ATAR. Practical sessions throughout the course may include First Aid Certificate, school sports carnival days, primary school sport days, an overnight camp, strength and conditioning sessions and other practical activities. Students will need to be deemed competent in all 10 first year units and the end of year exam to progress into the second year of the course.

FURTHER TRAINING & EMPLOYMENT POSSIBILITIES

Completion of the VCE/VET Sport and Recreation Certificate leads to the award of a qualification that opens pathways to further qualifications within the Sport and Recreation Training Packages listed below:

- Community Recreation
- Outdoor Recreation
- Sport Industry

VET HOSPITALITY: CERTIFICATE II IN KITCHEN OPERATIONS

COURSE DESCRIPTION

The VCE VET Kitchen Operations program is drawn from a national training package and offers portable qualifications, which are recognised throughout Australia and overseas. These qualifications provide students with the knowledge and skills to prepare them for a diverse range of occupations in the hospitality industry including commercial cookery and catering.

This qualification provides a pathway to work in kitchen operations in organisations such as restaurants, hotels, catering operations, clubs, pubs, cafes, and coffee shops; and institutions such as aged care facilities, hospitals, prisons, and schools.

CONTRIBUTION TO THE VCE/VCAL:

VCE Credits: you will be eligible for up to four units towards your VCE: two units at Units 1 and 2 level, and a unit 3 and 4 sequence. A study score is available, which can contribute directly towards your ATAR.

VCAL Credits: This program meets the requirements of the Industry Specific stream for both Intermediate and Senior VCAL.

VET BUSINESS: CERTIFICATE II IN BUSINESS MANAGEMENT

The Certificate II in Business is a course delivered over 1 Year (across years 10 or 11). The course allows students to gain a variety of skills and knowledge needed to undertake day to day administrative roles in a business environment.

This course is designed for students looking to move into a business administration position in the future or give them many of the business skills required in the daily business undertakings within any workplace.

VCAL Credit: This program meets the requirements of the Industry Specific stream for both Intermediate and Senior VCAL.

FURTHER TRAINING & EMPLOYMENT POSSIBILITIES

- Business administrator
- Data entry operator
- Executive administrator
- Certificate III in Business Management

Head Start Program Getting started on your earn and learn journey



Head Start is a new initiative from the Victorian State Government to increase the number of students undertaking high quality apprenticeships and traineeships, while still completing their senior secondary studies through flexible arrangements.

Head Start Apprenticeships and Traineeships is a

high quality pathway with more time spent on the job

ensure students complete VCE/VCAL alongside their apprenticeship/traineeship

focus on key qualifications in high-demand industries with strong employment pathways

provide intensive support to students and employers through Head Start staff, all the way through the program

What are the benefits?

students have the opportunity to spend a significant amount of on-the-job training time, whilst still completing their senior secondary qualifications;

employers are enabled to train and mentor young apprentices and trainees who are ready for work, and who will also have higher levels of literacy, numeracy and employability skills;

the number of qualified apprentices and trainees in growing trades and industries;

students will undertake high quality apprenticeships and traineeships with genuine employers, with continuous and dedicated support for all parties to help students progress to completion.

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