



KAMBRYA
COLLEGE



Year 9
HANDBOOK

A GUIDE TO CHOOSING YOUR
YEAR 9 ELECTIVES
KAMBRYA COLLEGE

Kambrya Student Pathways

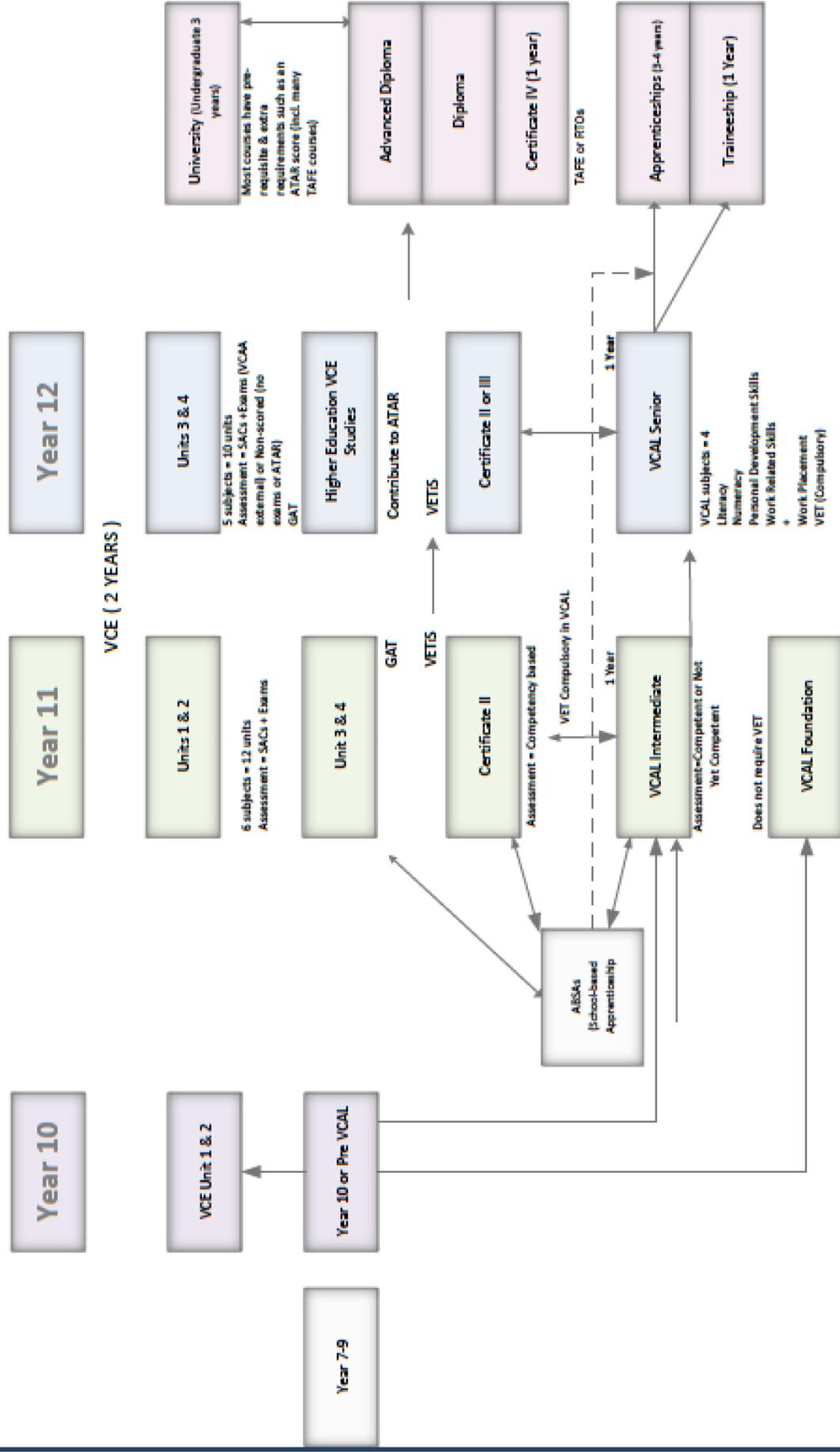


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YEAR 9 - WHERE DOES IT FIT IN THE BIG PICTURE?

The Year 9 core curriculum provides a robust learning experience for all students. Furthermore, the Year 9 elective program provides the first opportunity for students to explore a variety of electives across a range of subject areas. Additionally, it provides scope for further discussion around future pathways as students move into Year 10 and beyond. With that in mind, it is never too early to think about the pathways that will be available in the later years of schooling. Kambrya College offers two distinct pathways in Year 10; Year 10 Mainstream and Year 10 Pre-VCAL. Whilst selection of either pathway provides students with preparatory experience geared towards either VCE or VCAL in Year 11 and 12, it is important to note that students are not necessarily locked into that pathway as a result of their choices. Transitions between the pathways can be considered. Year 9 students who are interested in further exploring their future Year 10 and Later Years pathway opportunities should speak with their Sub School Leader in the first instance; personal 20-minute pathway meetings are facilitated by sub-school leaders early in Term 3, and parents are strongly encouraged to attend. Additionally, the Year 10-12 Student Handbook is available on the College's web page.

SPECIAL PROGRAMS

KAMBRYA COLLEGE YEAR 9 DARRABI PROGRAM

Some students will be invited to participate in the *Darrabi* program. At Year 9, the Darrabi ('awaken' in the Woiwurrung language) Program is an all-boys class designed for students who, for a variety of reasons, are disengaged from their learning, or who are not thriving within the normal classroom environment. The program has been running for three years and has proven, evidence based improvement of student outcomes. The program has strong community links and a group project focus with an emphasis on developing students as more self-aware learners. Darrabi students participate in the elective program, however they undertake different core subjects. Students also participate in some mandatory outdoor educational activities. More information will be made available to invited participants through a parent information session to be held towards the end of Term 3. We are currently investigating the viability of running an all-girls Darrabi class in 2019.

YEAR 9 CITY PROGRAM

During Semester Two, all Year 9 students are expected to participate in the Year 9 City Experience. This program provides students with a series of structured excursions into the Melbourne CBD. Students travel from Berwick by train each day, and will become more familiar with Melbourne's public transport system. The program may vary each year, but typically includes educational visits to such sites as the Eureka Tower, Shrine of Remembrance, Melbourne Museum, IMAX, Queen Victoria Market and also includes a Melbourne City Scavenger Hunt where students work in teams.

The cost of the program is \$50, which covers the costs of admissions. In addition, students are required to pay for their own transport costs. Students will require a **myki card** topped up with a **Weekly 7day child myki pass for Zones 1-2**.

YEAR 9 ELECTIVE PROGRAM

Electives are subjects that students choose to do. They provide students with the opportunity to have ownership of areas of learning through the choices they make. Through the elective program students are able to explore individual areas of interest beyond the scope of core work and to further enhance their skills and understanding. Electives provide an opportunity for students to experience a range of subjects and have been designed for this purpose. By the end of Year 9, it is hoped that all students will have developed into focused, confident and motivated individuals, ready to tackle their chosen paths of study through the later years of their school life.

Intended outcomes:

- By the end of the elective program, it is anticipated that each student:
- Will have developed the confidence to become self-reliant
- Will be able to make appropriate choices
- Has developed strategies to allow them to adapt to different life circumstances
- Has developed a greater sense of self-worth
- Has developed a sense of responsibility for themselves, and their immediate and wider community

STRUCTURE AND SELECTION OF YEAR 9 ELECTIVES

STRUCTURE

Each student will undertake **four electives**. They will complete two electives per semester. In conjunction with the electives, students will undertake the core subjects of English, Mathematics, Humanities, Science and LOTE (either German, Japanese or Chinese). When making elective choices, students should take into consideration the following:

Experiences

A major focus of the elective program is for students to have new challenges that will give them a broader experience of life. Students should choose electives that give a range of experiences and challenges.

Interests

Students should choose electives that they genuinely wish to pursue in the future. Remember that the electives take up a large portion of student's time at school. They need to choose electives in which they can be active and engaged for the entire time.

Aspirations

Students should make their elective choices in the context of any future aspirations they may have.

SELECTION

Students will be required to submit subject selections through an online portal. Access to this portal will be provided through an email which is sent to all students. If a particular elective is oversubscribed, students will generally be selected on a 'first in – first served' basis, however the final decision regarding class placement will rest with the Principal or his representative. **Please note that whilst every effort is made to run all offerings, viability of subjects is based on student numbers and is at the discretion of the College.**

INSTRUCTIONS TO STUDENTS

Step 1: Familiarise yourself with the content of the **Year 9 Elective Program** course handbook.

Step 2: Preference electives as per instructions in the Web Preference guide

Step 3: Get your receipt signed by your parents, and submit it on time as per the instructions on the course selection form.

MODIFYING ELECTIVE CHOICES

Once students have finalised their choices for the electives, any subsequent changes to their program can only be made by written application from parents/guardian to the relevant Sub School Leader. Changes will only be approved if they are considered necessary for academic reasons.

MATERIALS CHARGES

The materials charges that appear in this document are an indicative cost for these electives, and they are subject to change before the end of this academic year. Typically, any adjustments to costs are minimal, and would only result from a new opportunity to introduce a valuable learning experience (eg. excursion). All elective payments are due a term **in advance**. **Students who have not paid for an elective by the due date may be placed in an alternative elective.** Each elective has been carefully budgeted. However, new programs/workshops do arise from time to time which staff regard as important to the learning of the students in that elective. Kambrya College reserves the right to charge an additional cost above the published cost for each elective in order to take advantage of these opportunities. In such circumstances, parents will be advised in writing.

INDICATIVE MATERIALS CHARGES AND STAFF CONTACTS

The names of contact staff members and *indicative materials charges* for each elective are below. Note that these costs do not cover text books; these are documented in the booklist which is sent to all parents during Term Three.

Arts – Head of Arts – Leya Mackus	
Music Performance	No cost
Lights, Camera, Action!	No cost
Visual Communication and Design	\$25
Drama- Comedy Club	\$35
Drama- Stage Magic	\$50
Studio Art	\$50
Dance	\$25
Elite Dance and Performance	\$50
Humanities – Head of Humanities – Adele Smarrelli	
Fast Lane	No cost
Meteorology of Storms	\$10
History’s Mysteries	\$10
Health and Physical Education – Head of HPE – Kate Bevix	
Challenges in the Environment	\$130
Elite Athlete (Advanced Physical Education)	\$40
New Age Fitness for Girls	\$60
Healthy Active Lifestyles	\$10
Investigating a World of Sport	\$10
Science – Head of Science – Kim Wilkinson	
Forensic Science	\$20
Technology – Head of Technology Deb Russo	
Computing	No cost
Fast Food	\$110
Catering for a Career	\$110
Textiles	\$50
Wood Technology	\$50
Systems Technology	\$40
Robotic Engineering	\$10
Personal Development – Teacher – Gee Michalik	
Woman - Life and Leadership	\$40

PUBLIC TRANSPORT COSTS

Many of the electives include excursions. For some of these excursions, the class will use public transport to travel to and from venues. **The cost of using public transport is NOT included in the overall cost of electives.** When travelling by train or bus, students will need to have a MYKI card for daily public transport. Students are required to purchase a “MYKI”. Information and applications are available at myki.com.au.

PARENT/COMMUNITY INVOLVEMENT

Kambrya College encourages community and parental involvement across a variety of College programs and is keen to further develop community relationships within the Year 9 Elective Program. If you are interested in providing support and assistance, participating in activities, and/or contributing in other ways, please tick the appropriate box found on the Course Selection Sheet. A staff member will be in contact with you in the near future to discuss your interests.

YEAR 9 ELECTIVE DESCRIPTIONS

The following pages contain a description of each elective, and an indicative materials charge. Please ensure that you read them carefully before submitting the course selection sheet.

THE ARTS

MUSIC PERFORMANCE

This elective has an emphasis on Music Performance. Students will be required to complete two assessed performances during the semester (which may take place in during a lunchtime concert). Prior to this, students have the opportunity to complete practise performances in order to develop their confidence. Students will also develop skills in aural recognition and music theory. In addition, students develop critical listening and musical analysis skills. This elective prepares students for entry to the Year 10 Music Performance elective, and subsequently to VCE Music Performance. Students enrolling in this subject are expected to have a positive attitude towards music performance and must be willing to perform music in front of others. This elective may be taken as a single-semester course or as two electives sequentially over the course of the year. Semester 1 is not a prerequisite to the Semester 2 elective, although this is desirable.

COSTS/SPECIAL REQUIREMENTS: There are no materials cost for this elective, however additional costs may be incurred for excursions to see performances.

LIGHTS, CAMERA, ACTION! And LIGHTS, CAMERA, ACTION! (Bring Your Own Laptop)

In this unit students will explore the creation and use of media in society, and will examine the construction of media products in a range of media sources, including image manipulation (Photoshop), video editing and the planning and creation of news. This unit will enhance students' skills in two areas of the Arts; Media and Drama. Students will be expected to work in front of and behind the camera, exploring the range of skills that are employed in the media industry every day. Students will analyse pre-existing media and theatrical works of art. They will plan, create, perform, record and edit media products and reflect on their work. The unit is designed to lead students into further studies units at Year 10; *Media Advertising* and *Media Creation & Performance*.

COSTS/SPECIAL REQUIREMENTS: There is no materials cost for this elective.

LIGHTS, CAMERA, ACTION – BYO Laptop Elective – All students undertaking this are required to supply their own Windows based laptop.

VISUAL COMMUNICATION DESIGN

The Visual Communication Design elective explores a variety of graphic design such as 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 a brief for mock clients. This is done through the process of researching, designing, interpreting and analysing historical and contemporary design. Students use computer design programs to further enhance their design skills. The knowledge and skills gained during this elective are an invaluable pathway into Year 10 and VCE Visual Communication design.

COSTS/SPECIAL REQUIREMENTS: \$25.00 covers the cost of most materials such as paper, printing/ photocopying and other art materials, etc.

DRAMA – COMEDY CLUB

Greek actors developed two broad styles of theatre, *Comedy* and *Tragedy*. During this semester, students will explore the performance style of comedy including slapstick, farce, satire, commedia dell'Arte and black theatre. Students will develop an understanding and an appreciation for the subtle art of comedy, and what it takes to turn an every day scenario into something comedic. Students will view examples of different styles of performance and then develop their own works, to perform to each other and possibly to a wider audience. In doing this students will learn more about the Dramatic Elements and Performance Skills, as well as extend their current knowledge and use of the four Expressive Skills used on stage. In addition, students will also have the opportunity to see a play presented by professional actors in one of the comedic stylings being studied.

COSTS/SPECIAL REQUIREMENTS: A fee of \$35.00 is to cover the cost of an excursion to see a professional performance

DRAMA – STAGE MAGIC

The theatre is a place of magic, hopes and dreams. But to bring these dreams to life takes a whole team of dedicated experts in a range of fields. This semester length course aims to introduce students to these fields including script writing, costume design, set design, make up for the theatre, stage lighting amongst others. The semester culminates in students taking on their role of choice, contributing to the development and performance of a one act play to an audience. Students will work collaboratively to develop and write their play then design the costumes, sets and props, as well as implement a lighting and sound system to put the play on to a general audience. Students will continue to develop their skills on stage by showing different signs of expressions and exploring how the dramatic elements can contribute to a successful performance

COSTS/SPECIAL REQUIREMENTS: A fee of \$50.00 is to cover the cost makeup and other consumable used in the construction of sets, props and costumes.

STUDIO ART

The Studio Art elective consists of an exciting and diverse range of two-dimensional and three-dimensional art forms. Emphasis is on developing skills and techniques to express a range of ideas and art movements. Students will explore a wide variety of visual media such as painting, drawing, printmaking, ceramics and sculpture. Contemporary and historical art movements and styles (Pop Art, Abstract etc) are studied through a research assignment and creation of artworks inspired by this exploration. The knowledge and skills gained during this elective is an invaluable pathway into Year 10 and VCE Studio Art.

COSTS/SPECIAL REQUIREMENTS: \$50.00 covers the cost of materials (paint, canvas, paper, printmaking and photocopying/printing).

DANCE

In Year 9 Dance, students will learn to use the elements of dance, body actions and improvisation in exploring and creating movement possibilities. Students work collaboratively and independently to choreograph dance works using various devices, as well as rehearsing and performing learnt works. They will be exposed to a variety of dance styles from contemporary and past times which will be explored through physical practice as well as historical research. Students will learn to evaluate and analyse their own and others' works. Throughout this subject, students will mostly be working in groups when choreographing and performing, with optional opportunities to perform to a wider audience.

COSTS/SPECIAL REQUIREMENTS: There is a \$25.00 materials cost for this elective

ELITE DANCE AND PERFORMANCE

This elite dance elective is suited to students with dance experience and/or who are getting dance training outside of school, with already highly competent dance ability. It looks to extend these students, as they continue to develop their dance technique in different styles, through continuous practical classes. They will also be exposed to different methods of dance creation, including the use of improvisation, imagery and stimulus. Students will work in groups to choreograph and prepare a dance that is inspired by imagery, and perform this to a live audience. Emphasis will also be placed on developing students' movement vocabulary and their ability to discuss such developments using a high level of literacy and dance terminology. Students will attend and review a live professional dance performance, developing skills with which they can discuss and evaluate dance performance. Finally, students will choreograph and perform a solo dance work that stems from a common set piece of choreography and promotes creative choreographic manipulation as well as development of dance technique.

COSTS/SPECIAL REQUIREMENTS: A fee of \$50.00 is to cover the cost of a guest teacher technique class/workshop, an excursion to see a dance performance, and some costumes, props and sets. Students taking this elective must have dance experience and/or be getting dance training outside of school.

CHALLENGES IN THE ENVIRONMENT

Through this elective, students will gain an awareness, understanding and appreciation of the contribution that the outdoor environment makes to our society. Students will look at how Australia and the world have changed physically over millions of years, and the consequences of these changes to the environment, humans, animals and climate. They will investigate and discuss how current practices in the world impact on the environment, and what can be implemented to reduce this impact. They will participate in a variety of outdoor adventure, team building and initiative activities, and will develop and acquire new skills which will allow them to gain a deeper understanding of reasons for participation, impact on the environment. Students will learn and apply safety procedures associated with surfing, rock climbing, hiking and camping and will participate in a hiking trip as a part of their final challenge.

COSTS/SPECIAL REQUIREMENTS: \$130.00 covers the cost of all excursions, transport and equipment hire. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

ELITE ATHLETE

This subject is an **advanced** Physical Education elective with challenging tasks that will sometimes go beyond the standard Year 9 curriculum. Students will research the skills, strategies and training techniques required to excel in an elite sport. Students will visit the Victorian Institute of Sport training facility and be exposed to elite testing and training programs offered to athletes. They will learn about the importance of fitness testing and monitoring performance of an elite athlete and learn about the various components of an effective training program. They will look closely at application of training principles and methods as well as the impact of fitness on body systems.

Please note:

This elective relies on students being above the expected level in Health and Physical Education – you must be highly capable from both a practical and theoretical perspective to be able to complete the subject (*you should ask your current PE teacher whether you are suitable for this course*).

Elite Athlete is an advanced class, and is the best option for those wanting to continue on to do VCE Physical Education in Year 11/12, as it provides excellent preparation. To perform well in VCE Physical Education, students should then select *Sports Science* and *Bumps and Bruises* as their electives when they enter Year 10. However if they decide to not do Elite Athlete in Year 9, it will not prevent them from completing the Year 10 electives above.

COSTS/SPECIAL REQUIREMENTS: \$40.00 covers the cost of materials and excursions/incursions for the elective. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

NEW AGE FITNESS FOR GIRLS

This elective is targeted towards females who are interested in doing an alternative physical activity program involving aspects of dance, Pilates, yoga, aerobics, meditation and coordination skills. This will suit female students who would prefer non-traditional physical fitness activities. New Age Fitness for Girls aims to promote a healthy lifestyle through participation in movement and body conditioning. It explores reasons for, and barriers to, physical activity participation, as well as looking at ways to improve participation. This subject utilises qualified instructors from the community, allowing the class to undertake various fitness classes so that students learn the vast array of opportunities for them to be physically active outside of school.

COSTS/SPECIAL REQUIREMENTS: \$60.00 covers the cost of subject materials and excursions/incursions for the elective. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

HEALTHY ACTIVE LIFESTYLES

In this elective, students are introduced to both theoretical and practical ways to lead a healthy and active lifestyle at any age in life. Students will look at physical activity and the role it plays in the wellbeing of the population. Through practical activities students gain an appreciation of how much physical activity is required for health benefits. They explore a range of factors that influence physical activity, and identify perceived barriers and the ways to overcome these barriers. Students will consider their own fitness level and learn about the different methods of training used to improve personal fitness. They will use a strategy known as the Personalised System of Instruction (PSI) as an alternate way to learn as part of their assessment. This allows students to independently work through a unit of work at their own pace, catering for every individual need of each student. Students will also learn to critically evaluate nutritional techniques and practices used to improve individual health.

COSTS/SPECIAL REQUIREMENTS: There is \$10.00 materials cost for this elective, however additional costs may be incurred for excursions. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

INVESTIGATING A WORLD OF SPORT

This elective explores an array of both theoretical and practical components of physical activities and sports typical of various world sports. Students investigate the history, rules and the strategies involved in these sports. Students further develop their knowledge about basic anatomy, fitness components and testing through theoretical and practical environments. They are exposed to different methods of fitness testing than what they would be used to in junior PE classes. Students also develop their understanding of the stages of skill acquisition across a variety of activities.

COSTS/SPECIAL REQUIREMENTS: There is \$10.00 materials cost for this elective, however additional costs may be incurred for excursions. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

FAST LANE

This subject covers a range of topics under the banner of business and economics. The major emphasis is on developing a detailed understanding of Marketing processes such as product development, pricing and advertising. Other topics covered include business ethics, globalisation and business finance. This unit will equip students with an understanding of the world of business and assist them in choosing appropriate pathways ranging from VCE commerce subjects to VCAL and TAFE business studies to work or self-employment. Through a range of predominantly competitive group-based activities, students will have the opportunity to simulate business environments and develop enterprising skills and behaviours.

COSTS/SPECIAL REQUIREMENTS: There is no materials cost for this elective, however additional costs may be incurred for excursions. Please note that when students are on excursions travelling by public transport they must pay for their own ticket.

METEOROLOGY OF STORMS

In this unit of study, students apply their science and humanities skills to learn about weather and the impact of severe weather. Firstly, they will learn how different types of weather are created. They will learn the symbols and notations that meteorologists use and apply this knowledge to analyse weather maps and make weather predictions. Students will learn the science behind the causes of different types of severe weather such as lightning storms, tornadoes and hurricanes. Students will then conduct research and analyse primary and secondary sources as they investigate the social, environmental and economic impact of severe weather systems. They will then analyse some of the management strategies countries put in place to minimise the impact of these disasters. This unit of study leads to Environmental Studies in year 10 and VCE.

COSTS/SPECIAL REQUIREMENTS: There is \$10.00 materials cost for this elective, however additional costs may be incurred for excursions. Please note that when students are on excursions travelling by public transport they must pay for their own ticket.

HISTORY'S MYSTERIES

In this unit of study, students will learn the historical context for famous mysteries of the past and then suggest, based on available evidence, what could have happened in each case study. This will require research and analysis of primary and secondary sources as they weigh up available information and then make an informed decision on each case study. Such case studies may include: stone structures such as Stonehenge and the Nazca Lines, the Bermuda Triangle, The Mary Celeste, who was Jack the Ripper and the disappearance of Amelia Earhart. This unit of study leads to History's Greatest Conspiracy Theories in year 10.

COSTS/SPECIAL REQUIREMENTS: There is \$10.00 materials cost for this elective, however additional costs may be incurred for excursions. Please note that when students are on excursions travelling by public transport they must pay for their own ticket.

FORENSIC SCIENCE

This elective enables students to develop skills in scientific investigation and learn how to apply them to legal situations. They investigate the advantages and limitations of these techniques and examine misconceptions presented in pop culture and the media. They develop good scientific techniques including prediction, hypothesising, observation, inference, analysis and interpretation. They learn to communicate to a variety of audiences and learn to work effectively in teams and individually.

The objectives of the elective are for students to:

- Demonstrate an understanding of the field of Forensic Science concepts and techniques
- Be able to distinguish between real life forensic work and popular culture portrayals
- Demonstrate scientific problem solving and analysis techniques
- To communicate ideas and information clearly
- Work effectively in groups and individually to plan and organize activities
- Demonstrate sound scientific technique in science practicals
- Demonstrate ability to perform research independently
- Measure, interpret data, model, predict, analyse, control variables and communicate effectively

COSTS/SPECIAL REQUIREMENTS: \$20.00 covers the cost of experiment materials/chemicals, guest speakers, and workshops. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

TECHNOLOGY

COMPUTING and COMPUTING (BRING YOUR OWN LAPTOP)

Students in this elective will investigate data transmission and security within wired, wireless and mobile networks. They also learn about networks and its components that control the movement of data. Students recognise there are different communication protocols for transmitting data in a network. Students learn how to use Excel. Calculating and presenting information to industry standards is the necessary skill for students to take their computing skill to advanced level. They will learn business applications of Excel. Students learn to create websites using either Dreamweaver or other packages.

COST/SPECIAL REQUIREMENTS: There is no materials cost for this elective, however additional costs may be incurred for excursions. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

All students undertaking Computing – Bring Your Own Laptop are required to supply their own Windows based laptop.

FAST FOOD

This elective gives students the opportunity to develop skills in the area of food technology. The emphasis is on increasing nutritional knowledge and developing food preparation skills. Through investigation, design, production and evaluation, students discover how easy it is to make good fast food at home. Students are given the opportunity to examine foods available in the community, making nutritional assessment about these outlets. Students reflect on their learning, documenting their findings and experiences, and then design healthy alternatives which are prepared in classes. This elective allows students to pursue future career interests in the areas of hospitality, nutrition and customer service, while developing lifelong skills to sustain healthy futures.

COST/SPECIAL REQUIREMENTS: \$110.00 covers the cost of all food products, guest speakers and excursions. Please note that when students are on excursions travelling by public transport they will need to purchase and provide their own Myki card.

CATERING FOR A CAREER

This Year 9 elective aims to develop students in food preparation particularly in catering situations. This elective would benefit those who see VET Hospitality or Food Studies as an option in year 10, 11 and 12. Emphasis is on food hygiene, different courses within a meal and recognising and preparing a range of foods across the areas of eggs and dairy products, meat, poultry and fish, cereals and pasta, raising agents, starches and sugars. Nutrient requirements, ethical considerations concerning food production, food processing and food presentation techniques of a high standard will be encouraged. There will be food production and theory components in this course.

COST/SPECIAL REQUIREMENTS: \$110.00 covers the cost of all food products, guest speakers and excursions. Please note that when students are on excursions travelling by public transport they will need to purchase and provide their own Myki card.

TEXTILES

This elective aims to explore creativity through the medium of textiles. Students will undertake research about fashion throughout history, designers and a variety of careers in the textiles industry. Students will have the opportunity to show their flair through tie dye applications, patchwork and garment construction. Skills in using the sewing machine will be developed and used throughout the semester. The use and adjustment of commercial patterns in production phases is also covered. This elective encourages problem solving, evaluation and thinking, as well as individuality and creativity. This subject is a link for VET Fashion, careers in textiles, fashion and the design industry.

COST/SPECIAL REQUIREMENTS: \$50.00 covers the cost of all materials, however additional costs may be incurred for excursions. If students require any additional materials, fastenings or decorative items that are not a part of the curriculum, they may be required to purchase these on an individual basis. Please note that when students are on excursions travelling by public transport they will need to purchase and provide their own Myki card.

WOOD TECHNOLOGY

During this elective, students have the opportunity to gain an understanding of basic woodworking techniques through practical application. Students develop design skills, looking at how a specific need can be translated into a design for a finished product. Students develop an understanding of safe workshop practice, and refine their skills when working with specific tools and machines. Students are introduced to different joins, techniques and finishes that can be achieved, and are encouraged to add their own creative flair during the design stages. This elective leads into Year 10 Wood Technology and then VCE Product Design and Technology (Wood) or VET Building and Construction.

COST/SPECIAL REQUIREMENTS: \$50.00 covers the cost of all materials, however additional costs may be incurred for excursions. If students require any additional materials, fastenings or decorative items that are not a part of the curriculum, they may be required to purchase these on an individual basis. Please note that when students are on excursions travelling by public transport they will need to purchase and provide their own Myki card.

SYSTEMS TECHNOLOGY

This program is an introduction to systems engineering. Students will be focusing on electronic components, soldering, wiring and circuit board development. In this unit, student will be able to put all their skills and knowledge into practice through project based tasks. They will develop individual mechanical and electronic designs based on specific design briefs. Students will be expected to produce a folio of learning based on the Technology Design process. CATs and an end of semester examination will form part of the assessment.

COST/SPECIAL REQUIREMENTS: \$40.00 covers the cost of all materials including work booklet, solder and wire, components and resistors, timber and aluminium sheet. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

ROBOTIC ENGINEERING

During this program, students will be introduced to Robotic Engineering. Students will develop programming skills through the use of the Arduino programming platform and learn about basic electronics, circuitry and coding 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 autonomous programming of their robots using torch, light and infrared sensor circuits, allowing the Shield-Bot to navigate on its own on a robotics challenge mat.

COST/SPECIAL REQUIREMENTS: \$10.00 covers the cost of all materials including work booklet, however additional costs may be incurred for excursions. There is an opportunity for students to purchase a kit at approximately \$230.00.

WOMEN – LIFE AND LEADERSHIP

Students will investigate the history of equal opportunity with a focus on woman's rights. They will investigate case studies and research the significant figures involved in feminist movements throughout history. Students are provided with an array of educational experiences including:

- discussions with health care professions regarding female health and related programs
- engaging with relevant community services
- participation in targeted workshops on developing respectful relationships

Additionally, this unit will also aim to provide 'job ready' skills in the current employment climate. Finally, students will consolidate in all the experiences throughout the unit to develop an individual learning path for their time at Kambrya College. This unit will culminate in a forum which will be organized by the students which will involve engaging with a variety of identified professional females from our local community.

COST/SPECIAL REQUIREMENTS: \$40.00 covers the cost of all materials including work booklet, workshops and guest speakers. Please note that when students are on excursions travelling by public transport they will be expected to pay for their own ticket.

Notes:



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