

Year 10 Handbook 2016



Create The Future

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Welcome

Welcome to the Year 10 Learning Village - a team of dedicated teachers, working and planning together, to support students in Year 10. The team at Year 10 focus on providing a supportive learning environment and an engaging curriculum to ensure that ALL students can achieve their best.

This handbook contains all of the information that students and their parents need to know about the Year 10 learning program at Victoria University Secondary College. We have structured the Year 10 curriculum to provide opportunities for students to pursue their interests and strengths whilst also ensuring that students are exposed to a broad range of experiences as they begin to make important decisions about their future pathways. Students or parents requiring further information should contact the school, Home Group teachers or Year 10 co-ordinators.

Learning Village Team

Senior Campus - 8312 0200 Mr Glenn Leyland Year 10 Learning Village Leader Mr Jim Dowie Assistant Principal, Teaching and Learning Year 10

Course Information

Core Subjects

All students in Year 10 will study English, Maths and Science for 3 periods per week. Maths, English and Science remain core subjects at Year 10 to support students' ongoing development of literacy, numeracy and science skills that are integral as they continue into their Later Years education. Students will have the opportunity to choose the type of maths and science they would like to complete (see page 9-10 for details). EAL students will complete an additional 3 periods of VCE Bridging English as an Additional Language. All Year 10 students will complete 2 periods per week of the new compulsory subject 'Future Focus'.

English as an Additional Language

At Year 10, EAL students will develop their English language skills through the VCE Bridging English as an Additional Language (EAL) Study Design. The EAL program is counted as the equivalent to two electives. The satisfactory completion of the course will also credit students with two VCE units. The course will focus on the development of knowledge and skills in speaking, listening, reading, viewing and writing and thinking. Students will strengthen and extend their understanding and use of more formal, academic language.

Future Focus

All students at Year 10 will participate in the new subject 'Future Focus'. As the name implies the course will prepare students for further study and the world of work. This course will help equip students with the required skills to be able to understand the structure of the VCE and VCAL programs and what is required to achieve success. Students will explore possible career pathways, create a resume and job application, develop SMART goals and enhance their critical interview skills. Students will also develop and expand their writing skills to assist in achieving success in later years study. Students will develop a writing folio comprising a range of pieces written for various purposes, in different styles from various subject areas.



AVID (Advancement via Individual Determination)

All Year 9 students, including those that are not currently enrolled in AVID, have the opportunity to apply to be part of the AVID program at Year 10. The Year 10 AVID program has a strong emphasis on developing students' critical reading and writing skills in preparation for VCE. Weekly tutorials, held with the assistance of tutors from Victoria University, support students to improve their performance in their academic subjects.

The application process for Year 10 AVID will take place in Term 3, 2015. The AVID program is counted as the equivalent to two electives. Students who participate in the AVID program at Year 10 will complete a specialised elective program that includes acceleration into a VCE subject.

Elective Program

In 2016, the learning program for Year 10 students includes a wide range of electives for students to select from. These electives have been designed to prepare students with the skills and knowledge required for future learning in both VCE and VCAL subjects.

Students will complete six elective subjects, three per semester. Students will be required to complete one elective from each of the following learning areas: Health and Physical Education, Arts/Technology and Humanities. The remaining three elective choices can be made from any of the learning areas. Subjects that are offered will only run if a sufficient number of students select the class.

Course Counselling

All Year 9 students, and their parents, will be required to attend course counselling with a member of the College's Leadership Team to support the students in their selection of Year 10 elective courses. Course counselling will take place on Tuesday 28th July. Parents and students will receive further information regarding their course counselling appointment.

Costs for some Elective Programs

Parents and students should be aware that some of the electives will require payment of an extra levy to cover the cost of materials, excursions etc. Where subject costs are above the standard subject cost (as paid through the booklist), they have been indicated in this handbook.

Explanation of Costs

50% payment (for those electives that incur a cost) is due when subject selections are made. If the deposit is not received at this time, the students will be required to select another elective. EMA expected in 2016 cannot be used to pay the deposit. The balance of the payment is due on confirmation of elective choices. A letter will be provided to advise parents and students of the date for final payment. Full payment must be made to secure the student's place in the elective.

Acceleration Program

VCE Subjects

High achieving students will have an opportunity to apply to accelerate into 1-2 VCE subjects or more, by special arrangement. Accelerated entry into subjects will be based on the student's academic record and recommendations made by subject teachers. These students will complete Unit 1 and 2 during Year 10. Students will need to complete an application form for acceleration as well as their Year 10 Elective Selection form.

Vocational Education and Training (VET) Subjects

Year 10 students will have an opportunity to access one of three VET subjects that are offered internally (by the College) through an application process. A VET subject is counted as the equivalent to two electives. Entry into VET subjects will be based on teacher recommendations and the student's application. Please see page 12 for a description of the VET subjects.



Selection Process

Year 10 students will study English, Maths, Science, Future Focus and 6 electives, 3 per semester.

Students should note that AVID, EAL, Concert Band, VCE and VET subjects run for the full year and are therefore counted as equivalent to two electives.

Selection Criteria

- 1. Students are required to select one maths subject and two science subjects.
- 2. Students are required to select one elective from each of the following three learning areas: Health and Physical Education, Arts/Technology and Humanities.
- 3. Students are required to select three additional electives. These can be from any learning area.
- 4. Students will be required to nominate back-up preferences in each of the Learning Areas. Students may be allocated their back-up preferences on the occasion that one of their first preferences is full or does not run in 2016.

Elective subjects offered at Year 10

Arts	Technology	Science
Concert Band Music Performance Drama Studio Art Media Visual Communication and Design	Computing Electronics Materials Technology Food Technology	General Science 1 General Science 2 Biology Chemistry Physics Psychology

Health and Physical Education	Humanities	English
Health	History	Literature
Human Movement	Geography	
Sport Science	Business Management and Accounting	
	Economics and Legal Studies	

Languages	VET Courses (all year)	Literacy and Numeracy
Chinese Italian	Certificate III Sport and Recreation — Fitness Focus (Year 1 only) Certificate III Sport and Recreation — Rugby Focus (Year 1 only) Certificate III Sport and Recreation — Rugby Union 7's Focus (Year 1 only)	Unlocking Literacy Unlocking Numeracy

Core Maths Subjects

Students must choose one of the following maths subjects which runs for the full year. Students will also be recommended into either maths subject by their Year 9 Maths teacher.

General Mathematics

Year 10 General Mathematics is designed to prepare students seeking to study General Mathematics in Year 11 (Units 1 and 2) and Further Mathematics in Year 12 (Units 3 and 4). The topics covered during Year 10 include Money and Financial Mathematics, Linear and Non-Linear relationships, Using units of Measurement, Pythagoras' theorem, Trigonometry, Geometric reasoning, and Patterns and Algebra.

Mathematical Methods

Year 10 Mathematical Methods is designed to prepare students seeking to study Mathematical Methods in Year 11 (Units 1 and 2) and Mathematical Methods at Year 12 (Units 3 and 4). Students seeking to study Specialist Mathematics at Year 11 (Units 1 and 2) and Specialist Mathematics at Year 12 (Units 3 and 4) would be required to select Mathematical Methods at Years 10, 11 and 12. The topics covered during Year 10 include Money and Financial Mathematics, Linear and Non-Linear relationships, Using units of Measurement, Pythagoras' theorem, Patterns and Algebra, Trigonometry, Geometric reasoning, Number and Algebra, and Chance.

Core Science Subjects

Students must choose a minimum of two of the following semester based science subjects. Students also have the opportunity to choose any of the science based subjects as an elective.

General Science 1

In General Science 1, students develop questions and hypotheses that can be investigated using a range of inquiry skills. This course has selected topics from a range of different sciences, which may include chemistry, biology, physics and even space sciences. As a general overview, it enables students to gain some understanding into a variety of topics so that they may develop an appreciation for science.

General Science 2

In General Science 2, students develop questions and hypotheses that can be investigated using a range of inquiry skills. This course has selected topics from a range of different sciences, which may include chemistry, biology, physics and even space sciences. These will be different topics than in General Science 1. As a general overview, it enables students to gain some understanding into a variety of topics so that they may develop an appreciation for science.

Biology

This unit of study is designed to introduce students to Biological principals and theory in preparation for VCE. Students will understand the relationships between DNA, genes and chromosomes as well as how this genetic material is passed from one generation to the next. They will be able to predict offspring ratios based on patterns of inheritance. Students will also look at the processes of natural selection and its impact on evolution. The course will consist of theory, investigations and practical work as well as using second-hand data.

Chemistrv

The first part of the unit will cover themes from the periodic table including groupings in the Periodic Table, structure of atoms in terms of electron shells and the chemical activity of metals. Students will understand that the position of an atom in the Periodic Table is determined by its structure and its properties. The second part of the unit will cover chemical reactions in terms of chemical bonding, energy conversions in chemical reactions, products of different types of reactions, word and symbol equations and factors affecting reaction rates. Students will understand how chemical reactions can be used to produce a range of useful products. Students will investigate chemical reactions and be able to use basic atomic theory to explain their results.

Physics

Students will understand the relationship between forces, matter and movement. They will also understand the relationship between the various forms of energy. The major topics to be studied will be taken from motion, electricity and electronics, light, waves, sound, heat, sustainable energy, structures and materials. The course will have theory and practical components with some major practical projects that may involve building a solar cooker. Students will learn about basic electrical circuits and will create working models of electric motors.

Psychology

This unit of study is designed to introduce students to psychological principles and theory in preparation for VCE Psychology. Students will investigate Psychology as a science and undertake their own research and scientific reporting. They will understand how to create hypotheses and analyse data to make conclusions and generalisations. Students will understand the qualifications needed to become a psychologist and what ethical guidelines a psychologist must follow. They will explore Clinical Psychology and investigate the diagnosis and treatment of different mental illnesses. Students will further analyse mental health in relation to the Biopsychosocial Model.



Electives

Health and Physical Education

Students must choose at least one Health and Physical Education or PE VET elective.

Health

Students will understand and describe health, the dimensions of health and the interrelationship between the dimensions of health. They will use simple health data to identify the major causes of illness, injury and death in Australia. Students investigate personal behaviours and community actions that may contribute to the health of specific groups. Students investigate the work of government departments and non-government bodies in promoting and protecting the health of people. They identify the services provided through Medicare. Students examine the relationship between nutrition and stages of growth and development, and the eating practices associated with different stages in life. They learn to analyse the links between diet and current community health issues, and consider special dietary needs, and ways of improving their own diet. They research patterns of food consumption in Australia and investigate factors that influence food choice, such as changes in family life.

Human Movement

Students will complete both practical and theoretical classes. The topics covered include coaching, energy systems, first aid, risk management, activity promotion and a training program conducted in the gym to study fitness programs. Students will be expected to participate fully in all class activities; both theory and practical components. This subject is a preparatory subject for students wishing to do VCE or VET Physical Education subjects.

Sport Science

Professional sporting organisations are noticing the positive impact sport science can have on improving player performance. Therefore, this subject has been implemented to give students a hands on role and behind the scenes look on how it is all completed. Students will use a variety of scientific equipment; such as a movement analysis ICT program at the College to analyse their own and sporting team's performance and dive into the mind to look at the important role sport psychology plays before and after a game. Students will visit the Victorian Institute of Sport and other similar venues to view and participate in laboratory activities completed by elite athletes.

Cost: \$30.00 per semester.

This pays for excursions to VIS and the Science Museum.

50% payment is due at the time of subject selections to confirm enrolment. The remaining 50% is required on confirmation of elective choices to secure the student's place in the elective.

Vocational Education and Training (VET)

Students must choose at least one Health and Physical Education or PE VET elective. Students will also need to complete an application process in order to accelerate into a VET subject.

Certificate III Sport and Recreation - Fitness Focus

Student Athletes involved in our College Sports Academy - Sport Leadership Program, Athlete Development Program or Soccer Development Program are required to select this subject at Year 10. This subject is also open to other interested students, as the fitness focus allows students to develop their personal health and fitness and also apply it in a sport and recreation setting.

Sport and Recreation will aim to 'build the character' of participants. Typical aims include building resilience, improving teamwork and enhancing leadership skills. This will be achieved through detailed study and practical application in a range of activities that will include; conducting sport and recreation sessions, first aid and completing the School Sport Victoria Sport Ambassador Course; where students will receive a Level

One Coaching and Umpire course in a sport of their choice. Students will finish the course with a Certificate III in Sport and Recreation, which would grant them employment in a fitness centre or sporting organisation.

Cost: \$65.00

50% payment is due at the time of subject selections to confirm enrolment. The remaining 50% is required on confirmation of elective choices to secure the student's place in the elective.

Certificate III Sport and Recreation - Rugby Focus

Our Rugby league program is conducted in conjunction with the Melbourne Storm Rugby League Football Club, aiming at increasing the students' skills and knowledge of the game. Through our active involvement with the Melbourne Storm the students are able to receive an insight into how a professional athlete gains selection and progression through the grades. Students in the program are able to interact with specialist coaches from VUSC and the Melbourne Storm, including strength and conditioning coaches along with high performance coaches. Our coaches that deliver the program at VUSC are both involved in the Melbourne Storm U/15 State side, enabling the students to receive specialist coaching in a class setting. The program is split into 3 focus areas, which run concurrently with the theory components completed in the VET program.

Our program at VUSC provides students the opportunity for students to seek employment in the community recreation sector, provides them with industry recognised qualifications which will assist them in gaining employment in the industry and the opportunity to extend themselves and excel both academically and physically throughout the 2 year program.

Cost: \$65.00

50% payment is due at the time of subject selections to confirm enrolment. The remaining 50% is required on confirmation of elective choices to secure the student's place in the elective.

Certificate III Sport and Recreation - Rugby Union 7's Focus

Certificate III in Sport and Recreation provides students with the skills and knowledge to work in the Sport and Recreation industry. In Units 1 and 2, students will focus on the core skills of Rugby Union 7's, including fundamental skills, strength and conditioning. Units 3 and 4 offer scored assessment and includes core units requiring students to conduct basic warm-up and cool-down programs, plan and conduct sport and recreation sessions and undertake a risk analysis of activities.

How to apply:

Students that wish to select this subject need to attend the Rugby Union 7s information evening and complete the required application for the VUSC Sporting Academy. If you require further information please see one of the SHAPE (Sport, Health and Physical Education) team at your campus.

Cost: \$65.00

50% payment is due at the time of subject selections to confirm enrolment. The remaining 50% is required on confirmation of elective choices to secure the student's place in the elective.

Arts

Students must choose at least one Arts or Technology elective.

Concert Band

Students will use the concert band instrument of their choice to develop a deep understanding of music theory and performance, preparing them for all facets of VCE Music. They will apply advanced musicianship skills including rhythm, melody, harmony, aural recognition and transcription to perform, improvise and compose solo and ensemble pieces. Students will have several opportunities throughout the year to showcase their developing musical skills at events such as the Senior Soiree, Presentation Night, as well as school and community performances.

Music Performance

Through practical music application, students will develop a deep understanding of music theory and performance which will prepare them for all facets of VCE Music. They will apply advanced musicianship skills including rhythm, melody, harmony, aural recognition and transcription to perform, improvise and compose solo and ensemble pieces. Students will have several opportunities throughout the year to showcase their developing musical skills at events such as the Senior Soiree, Presentation Night, as well as school and community performances.

Drama

Drama at Year 10 focuses on the process of creating a play from coming up with an idea through to a finished performance. Students will work with their teacher to devise and script a play and then rehearse it. Students will then take this finished play to an audience of their friends and family. This lays the foundation for performance work at VCE.

Studio Art

Students use a variety of media in the production of art works and use ICT (Photoshop) to produce art works. Students explore art elements and design principles through colour theory, application of wet and dry media and experimentation in painting and drawing. They produce a folio of artworks. Students learn art literacy and utilise art terminology in their written theory. Theory tasks include written research projects, class discussions, oral presentations and visits to exhibitions. Students study artists from different times in history, analyse artworks in different contexts and exhibition spaces.

Media

Students will understand the relationship between themselves, society and the media. This course will have theoretical and practical components. They will explore the concept of film genre and the conventions of cinema within these classifications. Students will explore how the media uses sound and image to convey meaning. Students will also explore how advertising uses the media to persuade and influence our lives.

The semester will finish with a look at the nature of Social Media and new media technology. The subject will also include an introduction to Media ICT. It is to be noted that the course is not geared toward Multimedia.

Visual Communication and Design

Students will experience the instrumental drawing methods that are applied to product or architectural design. Freehand drawing skills are developed and used to generate ideas for an individual design brief: for example, the surface graphics for a perfume package. The design process is explored resulting in a final presentation. The use of ICT is included in the completion of the design brief. Students will experience the visualisation of three-dimensional forms into two dimensions and visa versa. The vocabulary for the analysis and description of visual communications is studied, being the 'Elements and Principles of Design'.

Technology

Students must choose at least one Arts or Technology elective.

Computing

Students will develop their skills in software tools and techniques to solve information problems. They will use an authoring package to construct websites and will engage in deep cognition activities of programming and testing. Students will be equipped with industry standard software, building on their interests in a range of applications and enabling good decision making for further study and ICT use in other subjects.

Electronics

Student will learn about microcontroller and how to program microcontroller. The primary goal of this unit is for the students to increase their knowledge of robotics through the use and understanding of the steps of the programming method and problem solving of their own ideas through experimentation with microcontroller. To accomplish this goal the students will learn about microcontroller, components and programming through classroom discussion, hands on activities and thoughtful reflections. Student will research and have a chance to build a robot or to design an automation circuitry based on industry need.

Materials Cost: \$70.00 per semester.

50% payment is due at the time of subject selections to confirm enrolment. The remaining 50% is required on confirmation of elective choices to secure the student's place in the elective.

Materials Technology

Students will investigate and design models that will be produced through the use of a range of equipment, materials and tools. Materials such as wood will be used to produce models to meet the design brief. Theoretical parts such as a client brief and product costings will make up part of the student journal. Students will evaluate their work; both the theory and practical, to further expand their knowledge, skills and technology vocabulary and comprehension.

Materials Cost: \$40.00 per semester.

50% payment is due at the time of subject selections to confirm enrolment. The remaining 50% is required on confirmation of elective choices to secure the student's place in the elective.

Food Technology

In this course students will be exploring the changes in lifestyles that have occurred in recent times and how these changes have affected eating habits and food preparation. They will learn how to plan and prepare healthy meals that can be produced quickly to suit today's busy lifestyles and how to cater for the variety of special dietary needs that exist today. This course leads into VCE Food and Technology.

Materials Cost: \$80.00 per semester or weekly payment to cook.

50% payment is due at the time of subject selections to confirm enrolment. The remaining 50% is required on confirmation of elective choices to secure the student's place in the elective.

Humanities

Students must choose at least one Humanities elective.

History

Students will study a timeline and general overview of the period from 1918 to 1975 including: the inter-war years, the Great Depression, WWII, the Cold War and Cold War conflicts, from an Australian perspective. Students will complete a Depth Study on migration experiences from 1945 to the present examining waves of post WWII migration to Australia. They will consider the influence of significant world events, the impact of changing government policies and the contribution of migration to Australia's changing identity. Also included is a close examination of the Vietnam War and its significance for Australia.

Geography

Students will explore global development issues such as the impacts of climate change, sanitation, food production and the growth of mega-cities. They will understand the factors that contribute to differences in countries' levels of development. Students will investigate the exploitation of natural resources in less developed countries through case studies including forestry in Asia and diamond mining in Africa. Environmental sustainability will be a focus of this unit. Students will explore sustainable tourism as a strategy to conserve environmentally sensitive locations. They will conduct fieldwork to investigate environmental sustainability at a local scale and develop strategies based on their field observations.

Business Management and Accounting

Business Management examines the characteristics of a range of businesses and their internal and external environments. In this unit, students will explore the many decisions a small business owner must make. Students will be able to apply decision-making and planning skills to establish and operate a small business. and evaluate the management of an ethical and a socially responsible small business. Accounting plays an integral role in the successful operations and management of a small business. This unit of Accounting focuses on the financial accounting for a single-entry activity trading business. Students are introduced to recording, reporting, analysing and interpreting financial data. Students will then be able to communicate this accounting information to internal and external users of this information and will evaluate the business' performance and success.

Economics and Legal Studies

In Economics, students will learn about how the economy is managed and the impact that this has on them personally and on their fellow citizens. Students will learn about the sources of income and factors influencing saving. Students will understand the role that consumers play in the economy and will develop an understanding of the importance of managing personal finances. In Legal Studies, students will focus on levels of government and the structure of Commonwealth and State Parliament. Students will learn about different types of criminal and civil laws and will investigate real cases. Students will learn about the Victorian Court hierarchy and the steps an individual will experience from committing an offence to being sentenced.

Science

Despite Science being a core subject, students can additionally choose any of the science based subjects as an elective.

- General Science 1
- General Science 2
- Biology •
- Chemistry
- Physics •
- Psychology

See page 9 -10 for a full description of each subject.

English

Literature

Students will develop an enjoyment of literature through reading widely, imaginatively, critically and independently. Students will be able to read closely, understand some key literary devices, view values in texts and have an awareness of how aspects of different cultures are represented in literature. Students will be exposed to some examples of creative and analytical writing and the focus will be on the ability to enhance these writing skills by drafting and exploring how to write in a variety of styles. In addition, they will develop a greater awareness of audience and language choices.

Languages

Chinese

Students in this course will learn to express themselves and understand others on topics closely related to their own experience and daily life. They will also learn to read and write simple passages in characters about the topics learned. The course will focus on developing the students' capacity to interact in familiar situations and identify what they hear or read. Throughout the course students will be exposed to aspects of Chinese culture. They will be encouraged to improve their intercultural knowledge and language awareness.

Italian

This subject will build up and consolidate the language skills acquired in Year 9. The focus will be on extending grammar knowledge and unit-related language and vocabulary. Students will be focusing on the lifestyles and traditions of the country and will gain a greater appreciation of the language and its culture. This course is designed to develop students' Italian language skills and cultural knowledge. Emphasis will be placed on communicative activities and real-life situations. Grammar structures will be extended. The course is designed to prepare students for VCE and to broaden the range of experiences in future use of the language in social and cultural activities, including leisure work and study.

Literacy and Numeracy

Unlocking Literacy

This unit is designed for students who would like to improve their reading and writing skills. Students will learn to understand any challenges they are experiencing, and develop strategies for success. Critical reading and writing strategies will be taught and individual needs will be a focus through an individualised learning plan. Students will also have the opportunity to work on tasks from their other studies applying their newly acquired skills to improve their learning outcomes.

Unlocking Numeracy

This unit is designed for students who would like to improve their Mathematics skills. Students will learn to understand any challenges they are experiencing in Maths, and develop strategies to improve their learning outcomes. Individual needs will be a focus through an individualised learning plan.





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Create The Future

Senior Campus

5A Jamieson Street St Albans Victoria 3021

P 03 8312 0200F 03 8312 0211

Junior Campus

88 Billingham Road Deer Park Victoria 3023

P 03 9363 1155 **F** 03 9363 8681

Trade Training Centre — Cairnlea Campus

Ken Jordan Road Cairnlea Victoria 3023

Correspondence To:

PO Box 83 St Albans Victoria 3021

Email victoria.university.sc@edumail.vic.gov.au www.vusc.vic.edu.au