



Parade College

Year 10

CURRICULUM AND SUBJECT SELECTION HANDBOOK - 2025



How to use this Course Guide

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Introduction

If you have any questions relating to the Curriculum which this website does not address, please do not hesitate to contact the relevant Learning Area Leader, Dean of Learning Years 10-12 or the Assistant Principal Teaching and Learning at the College.

Curriculum Structure

Students in Year 10 undertake two Units of Religious Education, two Units of English, two Units of Science, one Unit of Humanities (History) and one Unit of Careers in their common programs. Students also undertake two Units of Mathematics but the difference here is that there are a number of different Mathematics as alternatives.

You will notice that Parade College endeavours to offer a wide choice of units, however, it must be stressed that final offerings will, of course, depend on student numbers and availability of both staff and resources. Although the courses are correct at the time of posting, it should be understood that courses are revised on a systematic basis and some of these details will, from time to time, undergo revision. Please also note that all courses (including core subjects) are semester-based and will not necessarily have the same student cohort or teacher for subjects that run for two semesters. Except for compelling cases, once timetabled, students in Years 7-10 are not able to make changes to their elective subjects. Finding a subject no longer enjoyable or discovering it to be more challenging than expected are not considered compelling reasons for making changes to elective subjects. In such situations, it is preferable that students and their parents work with their son's teacher to support them through their learning.

The Core and elective studies are set out in the tables below:

Year 10 Core Units

Year-long	
▪ Religious Education	▪ English or Literature*
▪ Mathematics**	▪ Science
▪ History	▪ Careers

*Students selecting Yr 10 Literature will require approval from the English Learning Area Leader based on their progress in Yr 9 English. This process occurs after subjects are selected on Web Preferences. Students not placed in Yr 10 Literature will continue with English in Year 10.

**A range of subjects are available, dependent on meeting pre-requisites

Year 10 Electives

Over the year, students will select 5 elective units to complete their program. Each unit is one semester long. Students can select from a list of Year 10 electives and/or VCE electives. Students wishing to undertake VCE electives must submit an Application for Acceleration and must meet a range of criteria.

The Arts Elective Units

Semester long

Performing Arts

- Theatre Studies
- Music Performance
(This course takes 2 semesters)
- Music Industry (Sound Production)

Visual Arts

- Art Creative Practice
- Visual Communication Design
- Media

NB. Students may not choose more than 3 units from The Arts, unless through written application to the Assistant Principal, Teaching and Learning. This application must show the student intends to study the chosen subjects at VCE level.

English Elective Units

Semester long

- Writer's Workshop

Health and Physical Education Elective Units

Semester long

- Physical Education
- High Performance ACC Sport (Semester 1)
- High Performance ACC Sport (Semester 2)
- Health & Human Development
- Exercise Prescription and Design
- Manchester City (Semester 1 & 2)

A maximum of two units can be selected from P.E. and HP (ACC Sport).

A maximum of three units can be selected from the HPE Learning Area.

Manchester City units replace High Performance Sport for Semester 1 & 2

Commerce Elective Units

Semester long

- Accounting for Managers
- Law and Politics
- Australian & Global Economics
- Small Business

Humanities Elective Units

Semester long

- United States History: Civil War and Civil Rights
- Modern History Inquiry
- Geography

Languages Elective Units

Semester long

- French *(This course takes 2 semesters)*
- Italian *(This course takes 2 semesters)*
- Japanese *(This course takes 2 semesters)*

Science Elective Units

Semester long

- | | |
|------------------------|-----------------------------|
| ▪ Biology Origins | ▪ Psychology: Opening Minds |
| ▪ Chemistry Matters | ▪ Science Combined* |
| ▪ Physics Fundamentals | ▪ Food Studies [#] |

*NB. All students (see exceptions below *) must complete a minimum of one, and a maximum of four semesters of Science in Year 10.*

[#] Food Studies is considered an elective subject and does not contribute to the minimum of two Science subjects required to continue into VCE Science studies.

** Students who select Science Combined are choosing to complete this subject as their only Year 10 Science subject. Students who elect to complete Science Combined are **not** permitted to study a Science subject in years 11 or 12. Students wishing to undertake studies in VCE Biology, Chemistry, Physics or Psychology **should not** select Science Combined, and must select two or more Year 10 Science electives. Students who were enrolled in Year 9 Altior (Maths & Science) **should not** enrol in Science Combined.*

Technology Elective Units

Semester long

Technology, Design & Creativity

- Materials Design & Production
- Robotics & Control Systems

Digital Technologies

- Multimedia
- Software Development

** NB. All offerings in Technology are subject to the availability of specialist teaching staff and facilities. A maximum of 3 units can be selected from Technology and Food Studies, unless approved after written application to the Assistant Principal - Teaching and Learning. This application must show that the student intends to study the chosen subjects at VCE level.*

Vocational Education and Training Elective Units

Semester long

- | | |
|--|--|
| ▪ Certificate II Building & Construction (Bricklaying) | ▪ Certificate II Building & Construction (Carpentry) |
| ▪ Certificate II Furniture Making Pathways | ▪ Certificate III Laboratory Skills [^] |

[^] VET Laboratory Skills does not contribute to the minimum two science units.

NB. Students interested in the approved VET subjects are encouraged to select one Unit 1/2 VET subject via Web Preferences. Places are not guaranteed and are subject to final approval from the Acceleration Panel.

All VET offerings are an additional cost of \$445 (*subject to change).*

All courses run from 7.30am – 11.00am or 1.30pm - 5.30pm or 3.30pm - 7.30pm.

Due to timetabling issues, students may undertake a maximum of one VET course in Year 10 and a maximum of two VET courses in a VCE program. Some VET combinations will not be possible, as many of the courses will run concurrently.

Only one course offers an ATAR contribution within the same certificate. i.e. student's may not elect to do two non-scored VET subjects in Yr 11 and 12.

Sample Year 10 Program

Please see below **examples** of a year 10 program for both core subjects and elective choices.

Sample program A (Standard Program – with Science combined)

Semester 1	Semester 2
Religious Education	Religious Education
English	English
Mathematics	Mathematics
Careers	Careers
Science combined	History
Elective 1: High Performance	Elective 2: High performance
Elective 3: Health	Elective 4: Food studies
Elective 5: Materials Design & Production	Elective 6: Geography

Sample program B (Standard program – with two Science subjects and a Language)

Semester 1	Semester 2
Religious Education	Religious Education
English	English
Mathematics	Mathematics
Careers	Careers
Biology Origins	History
Second Science: Physics Fundamentals	Elective 1: Software Development
Elective 2: Italian	Elective 3: Italian
Elective 4: Accounting for Managers	Elective 5: Media

Sample program C (Standard Program – with two science subjects and a VET)

Semester 1	Semester 2
Religious Education	Religious Education
English	English
Mathematics	Mathematics
Careers	Careers
Psychology	History
Second Science: Chemistry Matters	Elective 1: Multimedia
Elective 2: Certificate II Furniture Making Pathways	Elective 3: Certificate II Furniture Making Pathways
Elective 4: Art Creative Practice	Elective 5: Visual Communication Design

Capabilities

The Victorian Curriculum F–10 includes capabilities, which are a set of discrete knowledge and skills that can and should be taught explicitly in and through the learning areas but are not fully defined by any of the learning areas or disciplines. The four capabilities in the Victorian Curriculum F–10 are;

- Critical and Creative Thinking
- Ethical
- Intercultural
- Personal and Social

It is expected that the skills and knowledge defined in the capabilities will be developed, practised, deployed, and demonstrated by students in and through their learning across the curriculum.

ERPP – Edmund Rice Pathways Program - (Preston Campus – Pre -VCE VM)

The Edmund Rice Pathways Program (ERPP) is a Year 10 Vocational Learning program at the Preston Campus, which leads into the VCE Vocational Major (VCE VM) in Years 11 and 12. This pathway is specifically for VCE-VM, and students will be unable to switch to the regular VCE program or the Sport or Business Academy for Year 11 and 12.

House Leaders in consultation with a range of interested parties including Tutor teachers, classroom teachers, Director Pathways Education and Learning Diversity will identify potential students and invite them to apply for a place. In addition, students can openly apply for this program.

The Edmund Rice Pathways Program and VCE-VM program at Year 11 and 12 are located at the Parade College Preston Campus. Students are also able to access training through the Edmund Rice Trade and Training Centre located at the Bundoora campus.

An information night is held in June each year, during which parents can also enquire about applying. The program has a limited number of places for students at Year 10. For further information regarding Edmund Rice Pathways program, please contact our Dean of VCE-VM.

ERPP- Core Units

Careers

This unit provides students with the opportunity to consider their personal skills, interests, values and personal qualities in an attempt to link these with future career options. In Semester One of Careers, students come to understand the importance of self-awareness in making career decisions, explore a variety of career tools and resources and learn about occupations of interest. They are also introduced to 'The High Five Principles' of career development to aid their understanding of career-focused thinking and behaviour. All of this is aimed to support students to make informed and confident

subject selection choices for future study, as well as consider potential work experience placements that they may be interested in organising for their Work Experience Placement later this year.

Topics:

- Preparing for Work
- The World of Work
- Exploring Businesses and Industry
- Workplace Learning

Community Based Religion

In the Identity and Values, Personal Qualities and Relationships units, students familiarise themselves with their identity and who they are. Throughout the unit, the students will reflect on their qualities, characteristics and culture. They will continued develop an understanding of what it means to be a Paradian. Topics within this subject include identity and values, gender and stereotypes, making a difference, and inclusive community.

English

Students learn that languages are constantly evolving due to historical, social and cultural changes, demographic movements and technological innovations. Students develop awareness that the language used by individuals varies according to their social setting and the relationships between the participants. Students learn how texts are structured to achieve particular purposes, including how language is used to create texts that are cohesive and coherent. Students become aware of how the author guides the reader/viewer through the text through the effective use of resources at the level of the whole text, the paragraph and the sentence.

Mathematics

The aim of this subject is to familiarise students with the concepts from number skills, measurement, and geometry. Students keep an exercise workbook and are expected to complete all required exercises. They also undertake application tasks, applying knowledge and skill to routine and non-routine problems. There is an emphasis on using Mathematics in practical situations.

Physical Activity

This subject will see students complete a workbook comprised of a variety of tasks based upon 'Respectful Relationships'. Students explore topics such as bullying, cyberbullying, trolling, and explore the Support Services available to them. The course also aims to build an in-depth and practical understanding of the myths and facts regarding drugs and raises awareness in order to reduce risk of drug use in Australia. Students will also study nutrition in sport.

STEM

This STEM (Science, Technologies, Engineering and Mathematics) education course comprises the specific knowledge, understandings, and skills in each of these learning areas as well as the interrelationship between each of them. STEM education acknowledges that there are opportunities for learning to be delivered in an integrated manner that facilitates greater engagement in each of these learning areas. This approach enables skills such as critical and creative thinking, collaboration and communication to be deployed in a rich and authentic way.

STEM education in the Victorian Curriculum includes the following learning areas: Science, Design and Technologies (including Engineering principles and systems), Digital Technologies and Mathematics.

ERPP – VET Electives

VET is an integral part of ERPP, and students undertake the following VET courses:

- Carpentry

plus one of:

- Bricklaying
- Furniture Making
- Sport and Recreation

Carpentry

Certificate II in Building Construction (Carpentry)

This pre-apprenticeship course will provide you with the opportunity to gain carpentry skills and knowledge at a beginning level. The completion of a carpentry pre-apprenticeship course in a senior secondary environment has many benefits including:

- assisting you to decide if you are suited to a trade career.
- being the preferred pathway of many building and construction sector employers when employing apprentices to complete Certificate III qualifications, and
- providing useful skills for future domestic/D.I.Y. building and construction projects

Bricklaying

Certificate II in Building Construction (Bricklaying)

This pre-apprenticeship course will provide you with the opportunity to gain bricklaying skills and knowledge at a beginning level.

The completion of a bricklaying pre-apprenticeship course in a senior secondary environment has many benefits including:

- assisting you to decide if you are suited to a trade career.
- being the preferred pathway of many building and construction sector employers when employing apprentices to complete Certificate III qualifications, and
- providing useful skills for future domestic/D.I.Y. building and construction projects

Furniture Making

Certificate II in Furniture Making

This qualification will provide you with an opportunity to gain beginning level knowledge and skills required to manufacture free-standing furniture or built-in cabinets, and/or assist in the installation of on-site furniture or cabinets. The completion of this course in a senior secondary environment has many benefits including:

- assisting you to decide if you are suited to a trade career.
- being the preferred pathway of many building and construction sector employers when employing apprentices to complete Certificate III qualifications, and
- providing useful skills for future domestic/D.I.Y. building and construction projects.

Sport and Recreation

Certificate III in Sport, Aquatics and Recreation

This qualification reflects the role of individuals with well-developed skills and knowledge required to deliver recreational services. Using discretion and judgement, they work with some independence and under limited supervision using clearly defined plans, policies and procedures to guide work activities. Specialisations are available for customer service officers, recreation officers, pool lifeguards and swim teachers but are not mandatory to achieve this qualification. This qualification provides a pathway to work for any type of sport, aquatic or recreation organisation including commercial, not-for-profit, community and government organisations. The skills in this qualification must be applied in accordance with Commonwealth and State or Territory legislation, Australian standards and industry codes of practice.

Subject Descriptions – Year 10 Bundoora Campus

At Parade College subjects are grouped into a number of Learning Areas to ensure that the needs of all students are met. See below the subjects offered under each Learning Area.

English

Students are assessed in English courses in a variety of methods which include creative writing, text response, analysis of language and argument, oral response, and an examination.

English

The English course focuses on developing and extending students' reading, writing and oral language skills. The course is text based and students will study a variety of text types including novels, visual texts, plays and media texts. Students will experiment with a variety of writing genres appropriate for different audiences and purposes and will undertake an extensive study of a media issue to examine the ways writers use language to persuade. Students will be taught the writing structures necessary to prepare them for VCE English and will encounter a Shakespeare play for the first time.

Literature

Students who choose Literature should enjoy reading and discussing ideas and issues. Students will encounter a range of text types including novels, plays, poetry and film and will examine the embedded views and values. They will learn to deconstruct text and to apply critical thinking to characters, relationships, events and settings within these texts. The Literature course is designed to introduce students to the study of Literature in preparation for VCE Literature and all assessment work is modelled on the sort of assessment that occurs in VCE Literature.

Health and Physical Education (HPE)

Students are assessed using a range of methods for subjects from the Health and Physical Education learning area. Students will complete fitness testing, skill tests, topics tests, assignments and written reports, oral presentations and an examination.

Note: Students may choose a maximum of three subjects from the Health and Physical Education Learning Area. They may choose a maximum of two subjects from High Performance Sport Semester 1, High Performance Sport Semester 2 and Physical Education.

Health and Human Development

This elective is for the student who is interested in health for themselves, their community, and global health; it provides preparation for those considering the study of VCE Health and Human Development in Years 11 and 12. Creating and maintaining environments supportive of optimum health will be investigated. This will include looking at social, cultural and environmental factors that influence health, as well as how our individual and community health needs change over time. Students will investigate rules, laws and policies that promote healthy environments, as well as the health services available for young people to access.

Students will get involved in interactive and informative discussions and activities that may include topics such as sexuality and sexual relationships, personal identity, relationships, nutrition and factors affecting food choices, risk taking, harm minimisation, alcohol and drug information, driver education, Medicare and the private health systems.

Note: This elective does not include any form of physical activity

Exercise Prescription and Design

This subject is aimed at students who may be thinking of pursuing further study in areas such as exercise physiology, personal training, or exercise prescription. It may also be beneficial for students who are considering selecting VCE subjects such as Physical Education or VET Sport & Recreation. The subject will have a significant practical component linked to theoretical topics designed to establish a strong base of applied knowledge in the area of program design for both individual and team sports. Students in this subject will have extensive use of the College's new Strength and Conditioning facility.

Topics taught in this subject include skill and health related fitness components, principles of training, functional strength training, and client screening and contraindications.

Physical Education

This elective is for the student who is strongly considering the study of VCE Physical Education in Years 11 and 12. Students who have been successful in Health and Physical Education electives in Years 8 and/or 9 are strongly recommended to consider this elective. Students will have the opportunity to learn about body systems, acute responses and skill acquisition and understand how these topics assist with success in physical activity. A variety of physical activities (fitness testing, weight/fitness training & team sports) will be engaged in, to support theoretical concepts learnt in class. This elective aims to prepare students for VCE Physical Education and is therefore highly theoretical in nature.

High Performance ACC Sport

This subject is designed for students undertaking an ACC sport and will involve ACC games, training and theory lessons. Games and training will occur during regular school hours. Selection into the elective of ACC Sport will be based on a combination of the student's level of expertise, previous involvement in ACC Sport, behaviour, level of commitment and an ability to represent the College in a sportsmanlike manner. Students should carefully choose the correct semester which aligns to the sport they wish to participate in. Students wishing to be involved in a sport in Semester 1 and 2 must select this subject for both semesters.

Acc sports semester 1	Term 1: swimming and athletics term 2: football, soccer, and badminton
Acc sports semester 2	Term 3: hockey, table tennis, basketball and cross country term 4: cricket, volleyball and tennis

Theory lessons will include the following topics: nutritional, psychological, and physiological strategies; assessment of fitness; game analysis; and, motivation and feedback.

Manchester City Program (Semester 1 & Semester 2)

The structure of the program in Year 10 has been developed to allow students to continue their journey through the Football School, whilst also having the opportunity to explore other elective choices in both semesters.

Students currently in the program school need to select Manchester City as part of their Subject Selection.

Please note:

- The Manchester City Program takes the place of two units of HPE and is studied year long.
- Students must select this on Web Preferences to continue.
- Entrance to the subject is based on the selection criteria. Contact the Head Manchester City Football Coach for further details.
- As per all years of the Manchester City Program, participation in the program incurs an additional cost/levy.

Humanities

Units in the Humanities are assessed using a range of methods including reports, oral presentations, analysis tasks, topic tests, research assignments, and an examination.

History

This semester-length unit of History will cover key world events and their impact on Australia from 1918 until the present. Topics covered include: an overview of the inter-war years 1918-1939 covering the impact of the Great Depression, communism and the rise of fascism; a study of World War II covering the growth of the Nazis in Germany and Japanese military expansion in Asia, the causes of World War II, and Australia's military role in the Pacific. Students then engage in modern history exploring aspects that made modern Australia. These include personal migration stories and the First Nations rights movement.

United States History: Civil War and Civil Rights

This unit focuses on slavery in the Southern States of the U.S.A. before the Civil War - its origins and development. It looks at the freeing of the slaves, the progress of the Civil War (1861-1865) and the Reconstruction period in the South in the ten years following the war. The unit continues by exploring segregation in the South, the rise of the Ku Klux Klan and the Civil Rights movement of the 1960s.

Modern History Inquiry

The aim of this unit is to create a tertiary-style study of an aspect of History. Students undertake process of designing a question and rationale, planning and commencing an investigation, writing and presenting a submission and reflecting on the process. In doing so they will undergo a course on critical thinking to improve historical perspectives and source analysis (key skills in History). This subject is aimed at extending and challenging those students who wish to go beyond the current compulsory History Curriculum. This is a depth project in terms of content but draws in a breadth of skills (research, independent study, questioning, literacy, presentation and communication, data analysis, critical thinking) that will be applicable to tertiary study and real-world employment.

Geography

The first area of study investigates sustainability and food security issues that may arise in the future. Students explore Australia's trade relations and how this impacts our global standing. The second area of study will use fieldwork, research and mapping exercises as well as group work to investigate environmental change and management, sustaining urban environments, and human wellbeing and change. Students participate in a fieldtrip and hands on activities to investigate how human activity impacts on the natural world.

Law & Politics

This unit provides the Year 10 students with an opportunity to gain an appreciation of the Australian Legal and Political systems. The Legal Studies component of this unit will cover topics such as the right of the individual major laws governing society and how disputes are resolved. The need for and the effectiveness of law is also investigated. The Political Studies area examines the key features of Australia's democracy and its system of government. Students also study the Federal System, the Australian Constitution, voting and elections, and the Australian Parliament.

Commerce

Careers

The aim of this unit is to provide the students with skills to seek employment and present themselves for a job interview. Students will be able to explore the world of work through a Work Experience Program. Students will complete the Career Voyage program to assist with subject selection and an employment pathway. The course will include topics such as the changing nature of work, different types of jobs, looking for and applying for a job, writing letters of applications, and interview techniques.

Accounting for Managers

This unit introduces students into the accounting processes of recording and reporting financial information that form the basis of VCE Accounting. The study will incorporate the ethical considerations of reporting and include an analysis of the financial management of companies and clubs. Students will develop skills of financial literacy as they analyse documentation and decision-making using contemporary examples. This subject provides an excellent foundation for students who are interested in continuing their study of accounting in future years.

Small Business

This unit covers the basic elements of small business operations and management and students apply this knowledge to a practical case study. Students analyse the qualities of small business entrepreneurs, different leadership styles and the forms of business ownership. They investigate the requirements for establishing a small business. This unit is designed to act as a pathway for students interested in studying Business Management at VCE level.

Australian and Global Economics

In this unit students identify and explain the indications of economic performance and examine how Australia's leading economy is performing in the current context. They make links between economic performance and living standard and make comparisons between different countries. The study includes an investigation of Australia as a trading nation and its place within Asia. This unit is designed to act as a pathway for students interested in studying Economics at the VCE level.

Languages

In Year 10 Languages, students continue studying the language they studied in Year 9. Languages are studied for the full year. Topics in languages are assessed using a range of methods including grammar vocabulary, writing tasks, oral tasks, comprehension tasks, cultural tasks, and an examination.

Italian

Pre-requisite - Students are expected to have completed Year 9 Italian before undertaking Year 10 Italian.

The Year 10 Italian course builds on communication, knowledge and literacy skills developed through the Italian language studies in previous years. The curriculum focuses on developing the skills of reading, visual, aural, written and spoken communication through the introduction of grammar and vocabulary. Each unit of work is based on topics relevant to the student's personal world, with cultural comparisons of Australian and Italian life allowing students to reflect upon their own circumstances. Students are expected to regularly revise vocabulary and grammatical concepts and will be assessed via tasks focusing on the five skill areas.

French

Pre-requisite - Students are expected to have completed Year 9 French before undertaking Year 10 French

The Year 10 French course builds on communication, knowledge and literacy skills developed through the French language studies in previous years. The curriculum focuses on developing the skills of reading, visual, aural, written and spoken communication through the introduction of grammar and vocabulary. Through a variety of tasks related to the environment, and educational experiences, each unit of work is based on topics relevant to the student's personal world, with cultural comparisons of Australian and French life allowing students to reflect upon their own circumstances. Students are expected to regularly revise vocabulary and grammatical concepts and will be assessed via tasks aimed at honing their skills and increasing their knowledge as the course increasingly prepares students for the demands of VCE.

Japanese

Pre-requisite - Students are expected to have completed Year 9 Japanese before undertaking Year 10 Japanese.

The Year 10 Japanese course builds on communication, knowledge and literacy skills developed through the Japanese language studies in previous years. The curriculum focuses on developing the skills of reading, visual, aural, written and spoken communication through the introduction of grammar and vocabulary. Through units of work including 'School Life' and 'Introducing My Family', speaking and listening capacities are developed in a variety of activities and Kanji is continually integrated into Katakana and Hiragana reading scripts. Each unit is based on topics relevant to the student's personal world, with cultural comparisons of Australian and Japanese life allowing students to reflect upon their own circumstances. Students are expected to regularly revise vocabulary and grammatical concepts and will be assessed via tasks aimed at honing their skills and increasing their knowledge as the course increasingly prepares students for the demands of the VCE.

Mathematics

Units in Mathematics are assessed in a range of methods including topics tests, applications tasks, research assignments, and examinations.

Mathematics: General

This subject is designed for students who are interested in following a pathway in Mathematics that prepares students for VCE General Mathematics. The focus is on financial arithmetic, networks, algebra and data analysis. Specifically, topics included will be computation and practical arithmetic, investigating and comparing data distributions, investigating relationships between two numerical variables, trigonometry, and graphing linear and non-linear relations. This area of Mathematics would suit those students that are interested in business careers, marketing or are interested in achieving a very good level of numeracy. There will also be a strong focus on development of skills required for the effective use of the CAS calculator.

Mathematics: Methods

This subject is designed for students who are interested in following a rigorous pathway in Mathematics. The aim is to prepare students for VCE Mathematical Methods and Specialist Mathematics, and eventually for careers that require a strong mathematical background. Students will cover areas of space and number, chance and data, algebra and measurement. Specifically, they will be introduced to algebra and linear equations, functions, including quadratic, logarithmic, exponential and circular functions, probability, trigonometry and geometry. There will be a strong focus on development of skills required for the effective use of the CAS calculator.

Mathematics: Enhanced Methods

This subject resembles Unit 1 and 2 Mathematical Methods and is designed for students progressing from the Year 9 Altior Mathematics course. The aim of this subject is to prepare students for VCE Enhanced Mathematical Methods and Specialist Mathematics and eventually for careers that require a strong Mathematical background. Students will cover areas of functions, algebra, calculus, statistics and probability. Specifically, they will be introduced to algebra and linear equations, functions, including quadratic, logarithmic, exponential and circular functions, probability, differentiation and anti-differentiation. There will be a strong focus on development of skills required for the effective use of the CAS calculator.

Mathematics: Foundation

Foundation Mathematics provides for the continuing mathematical development of students entering Year 10 Mathematics from Year 9 Foundation Mathematics. Students will cover three main strands: number and algebra, measurement and geometry and statistics and probability. In this subject there is a strong emphasis on using mathematics in practical contexts relating to everyday life, recreation, work, and study. Students are encouraged to use appropriate technology in all areas of their study. Students undertake an end of semester examination. Mathematics Foundations leads to VCE Unit 1 and 2 Foundation Mathematics.

Religious Education

A Unit 1 and 2 VCE Religion subject must be studied by Year 10 students in each semester. Students will have a choice between VCE Religion and Society and VCE Texts and Traditions. Topics in Religious Education are assessed through a range of methods including reflective journal writing, text analysis, essay writing, unit tests, group discussion, and semester examinations. Students are required to demonstrate the VCE outcomes to achieve a satisfactory result.

VCE Religion and Society

This subject examines the nine common aspects of religious traditions and why each is important. This is done via the study of three major religious traditions: Catholicism, Islam and Greek Orthodox. It analyses the role of and the changes in religion through the ages. This unit also explores the religious diversity of Australian society: how Australia has developed into a multi-faith society; how religions express their religious identity today; how their beliefs and practices may have changed since arriving in Australia; and, the role of positive interaction between different religious traditions. In Unit 2 of this study, students are introduced to the nature of ethical decision-making in societies where multiple worldviews coexist, exploring how one chooses between 'right' and 'wrong', 'good' and 'bad', and what the variety of influences are on our ethical decision making and moral judgements. Students examine religious ethical perspectives and other influences on moral judgments of religious traditions in societies. This unit offers students the opportunity to explore various ethical issues that our society faces today.

VCE Text and Traditions

Unit 1 examines the place of narrative within a religious tradition. It explores the variety of narrative at the source of a tradition, the importance of narrative for the tradition, and how we might find and describe its meaning for the earlier and continuing religious tradition. Throughout this Unit, students develop an ability to apply basic exegetical methods when analysing a text. A capacity to describe later traditional and artistic understandings of a narrative text is also developed. Unit 2 explores texts as a means of investigating social attitudes on issues such as justice, care for the environment, racism and gender roles. Students consider the social context within which the texts were produced, the conditions under which they are currently read, the reasons for reading them, and the kinds of authority attributed to them by traditions and society in general.

Science

To continue with a VCE Science in Year 11, students need to study a minimum of two and a maximum of four Year 10 Science subjects from: Biology Origins, Chemistry Matters, Physics Fundamentals, or Psychology: Opening Minds. To be best prepared for VCE Science, students should study the equivalent Science subject in Year 10 that they wish to continue with in VCE. If a student does not wish to continue with Science in VCE, they can select the semester elective, Science Combined. Students who select Science Combined will not be permitted to study Science in VCE.

Topics in the Sciences are assessed using the following methods: topics tests, investigations, practical exercises, research assignments, and examinations.

Biology Origins

This semester course is developed for students who wish to explore the field of Biology and is designed as a pre-requisite for VCE Biology. Biology is the natural Science that studies life and living organisms. In this elective, students investigate the intricacies of how the transmission of heritable characteristics from one generation to the next involves DNA and genes. The students will also investigate the Theory of Evolution through Natural Selection. They carry out a variety of experiments in order to understand these theories. Students will conduct a student designed investigation to further develop their scientific investigation skills. Throughout the semester, students will complete inquiry-based science activities and assessments. Students undertake topic tests as well as an end of semester examination.

Chemistry Matters

This semester course is developed for students who wish to explore the field of Chemistry and is designed as a pre-requisite for VCE Chemistry. Students are introduced to the periodic table and learn about the elements and their compounds. They learn that chemical behaviour and atomic structure are connected in the way the periodic table is constructed. At this level students enhance their understandings of chemical reactions by investigating the chemistry of related substances, in particular the bonding models of ionic, covalent, and metallic materials. They learn to represent reactions, using chemical formulas and word equations, and perform calculations using these equations. Throughout the semester, students will complete inquiry-based science activities and assessments. Students undertake topic tests as well as an end of semester examination.

Physics Fundamentals

This semester course is developed for students who wish to explore the field of Physics and is designed as a pre-requisite for VCE Physics. Physics is a science which contributes to our understanding of the physical universe from the minute building blocks of matter to the unimaginably broad expanses of the Universe. In this unit, students investigate the laws of physics in the areas of motion, gravity, electricity and magnetism. They carry out a variety of experiments in order to derive or understand these laws. The laws of physics are then used to better understand everyday phenomena and the technology they use on a daily basis. Students will conduct a student designed investigation to further develop their scientific investigation skills. Throughout the semester, students will complete inquiry-based science activities and assessments. Students undertake topic tests as well as an end of semester examination.

Psychology: Opening Minds

This semester course helps form the basis of key areas within the study of Psychology. Students will examine a range of disciplines within a psychological framework, including an introduction to the field of Psychology, Research Methods, the Biological Basis of Behaviour as well as Mental Health and Wellbeing. Students will complete various forms of assessment, these include psychological experiments, research tasks, topic tests, and an examination.

Science Combined

Science Combined students will cover basic concepts of Biology, Chemistry and Physics. In the Biology unit students study DNA, genes and their involvement in the transmission of characteristics from one generation to the next. In the Chemistry unit students learn that chemical behaviour and atomic structure are connected. Students also enhance their understandings of Chemistry by investigating chemical reactions. In the Physics unit the students investigate the laws of physics specifically in the area of motion. This subject is designed as a stand-alone subject for students who do not intend to study a Science in VCE. Throughout the semester, students will complete inquiry-based science activities and assessments. Students undertake topic tests as well as an end of semester examination. This course is not a pathway to any of the four VCE Science subjects.

Food Studies

This unit aims to take the student through culinary skills in theory and practice. The topics covered in practical classes are: selection and use of ingredients; basic knife skills; food preparation; food presentation; food hygiene; occupational health and safety. In theory classes the students study sustainability; food and culture, indigenous ingredients, the design process and methods of cookery. This semester unit prepares students for VCE Food Studies and VET Certificate II in Cookery

Note: all offerings in Food Studies are subject to the availability of specialist teaching staff.

Technology

Students undertaking a Technology subject will complete a range of assessments such as investigations, design folio, production, and an examination.

Note: Students may only select a maximum of three technology or information technology subjects.

Materials Design and Production

This unit develops students' skills in using the technology process to create practical solutions to identified needs and opportunities. Students learn essential standards and conventions in a range of graphic communication techniques to help them convey their ideas clearly. They maintain a design folio to document the development of their products. They study materials used in the manufacture of their products and apply this knowledge to their work. Students advance their production skills while observing safe work practices, gaining an appreciation of quality project work. Students are introduced to more advanced tools and equipment.

Robotics and Control Systems

This unit in Systems Technology focuses on the design, production and evaluation of systems and control technologies. Students work with a range of resources including electromechanical control systems, basic robotics and computer aided design/manufacture. Microprocessors are used to control inputs and outputs of complex electrical and mechanical devices. Students also develop an awareness of control systems and their use in many areas of society.

Note: All offerings in Technology are subject to the availability of specialist teaching staff. There will be limited numbers of classes.

Digital Technology

Students undertaking a Digital Technology subject will complete a range of assessments such as folio, group projects, program development, research tasks, and an examination.

Multimedia

This course is designed for students who have an interest in solving information problems using a range of multimedia software tools. Students will be required to produce a multimedia folio comprising a web site design using HTML and CSS. These websites contain photographs (JPG, PNG), animated images (GIFS), text, tables, and lists. Students will be required to solve a problem based on the problem-solving methodology – analyse, design, development and evaluation. Students will gain basic photo editing to advanced graphic design, explore various tools and techniques to enhance and manipulate images, creating professional-quality graphics.

The course will include the development of design briefs and story boards; using software correctly and safely; responding to a need and design brief with their own ideas and creative process; the exploration of social and ethical issues; formatting and conventions in media and the use of colour in media.

Software Development

Students will develop the programming skills required for the VCE Applied Computing courses. They will learn to plan, build, test and evaluate several computer programs using the programming language Python and will develop skills in building effective user interfaces for 'real-world' solutions. They will make use of the same problem-solving methodology used in all VCE Applied Computing courses and start to learn the vocabulary used in this area. Students will work both independently and collaboratively to develop their programs and programming skills.

Students will discover how python programming is used in various industries. From web development, data analysis to artificial intelligence and automation. Python skills can open doors to numerous career paths.

The course will also allow students to develop and understanding of the fundamental concepts of networking, including network types (LAN, WAN), network topologies, and essential hardware components like routers, switches, and cables.

The Arts

Subjects in The Arts are assessed using a range of methods including solo performances, demonstration of skills, ensemble performances, theory and topic tests, film presentations, computer-aided design, oral communication, and visual diary processes.

Theatre Studies

This is an introductory course to VCE Theatre Studies. It gives students a basic but solid foundation to the various aspects of the course, and it will also prepare them for further studies in VCE. Students will study theatrical styles of the pre-modern and modern eras, as well as production roles such as Acting, Costume, Direction, Lighting, Make-up, Set and Sound properties. The course includes both group and solo performance assessments, as well as theatrical interpretation and analysis. Students will also have the opportunity to practice their stage craft in our well-resourced, state of the art Rivergum Theatre. Students present both individual and ensemble performances to an audience and are welcomed to become involved in the Play or Musical as cast or crew to extend their classroom learning.

Music Performance

Students study performance skills as preparation for VCE Music Performance. This unit focuses on performing in solo and group contexts, develops technique on the chosen instrument, and introduces stylistic awareness through a research and class presentation. Students further develop aural comprehension, theoretical knowledge and responses to music, and prepare repertoire appropriate for the individual standard. Students are required to be part of the instrumental ensemble program. They develop music arranging and composition skills through the use of ICT. It should be noted that this course is year-long.

Note: This is a whole year unit as it takes two elective choices

Music Industry Sound Production

This course introduces a range of knowledge and skills related to work in the music industry and sound engineering. Students investigate careers and job profiles, audio equipment, acoustics and the technology associated with digital studio recording. Students' complete exercises and projects through the study of the music industry and the setting up of Public Address and audio systems. They also manipulate audio data and produce recording sessions and edited music products. Students are required to assist with concert productions and audio management for events such as the College musical.

Art Creative Practice

This course provides students with the experience of a range of art forms that includes 2D, 3D, and digital imagery production and manipulation. Students are inspired by the world around them including past and contemporary style artists. As inspired people they creatively generate from their inspirations, creating artworks such as drawing, painting, printmaking and sculpture. Students will also analyse artworks and research art movements to use as inspiration. Photography offers a new way of seeing the world. Through the lens students are able to see details in different points of view and present their version of the world in images. In this course student will be creating images with digital cameras. Students will develop skills in the use of ICT programmes in the manipulation of images. Students are encouraged to work creatively, individually and independently. The skill and level of independence in this course should prepare and lead students to VCE Art: Creative Practice.

Visual Communication Design

This subject enables students to explore traditional two dimensional and three-dimensional representation in visual communication design. Students work with a range of media, methods, and materials alongside the use of design elements and principles to construct work which answers a design problem and overall satisfying the needs of a client. Students explore work within the fields of messages, objects, environments and interactive experiences and create folios which demonstrate both knowledge and skills in these fields.

Media

Students will be introduced to many forms of communication found in the media, its impact on society and an understanding of ourselves. By observation, analysis and experimentation students will develop more awareness of their use. They will learn how to express ideas and issues through various media and develop skills in digital photography, film, journalism and many other mediums.

Careers Advice

All students are invited to make appointments with the Career Adviser to discuss Course and Career options and subject selection and to use the many Careers resources located on the Careers website.

For all Career related inquiries, information and appointment bookings, please refer to the College's Career Website <https://www.paradecollegecareers.com.au/>

Careers Coordinator: Ms Liz Bult

Careers Advisor: Ms Justine Barnes



PARADE COLLEGE

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