

Every day, a discovery.

Year 10 Curriculum Handbook

one in the spirit

Year 10 Curriculum Handbook

Contents

Overview	3	Introduction
	3	VCE Advanced Study
	3	Pathways
	4	Study
	5	Curriculum Map
Core Subjects	6	English
	7	Mathematics
	9	Humanities
	11	Science
	12	Health
	13	Ethics
	14	Work Related Skills
	15	Physical Education
Electives	16	Humanities
	18	Science
	19	Literature
	20	Health and Physical Education
	21	Language
	22	Performing Arts
	24	Visual Arts
	26	Specialist Areas
Specialised Study VCE (Year 10)	28	Vocational Education & Training (VET)
	29	Business Management
	30	Applied Computing
	31	Outdoor and Environmental Studies
	32	Psychology

The information contained in this publication is correct at the time of printing but may be subject to change.

Students and parents are advised to refer to the school website www.caseygrammar.vic.edu.au for the most recent updates, prior to making subject selections.

Year 10 Overview

Introduction

The Year 10 Curriculum is designed to ensure that all students at this level are given the opportunity to experience a broad range of learning pursuits to achieve their personal best. The school seeks to build knowledge, skills and understanding across all learning areas and seeks to nurture the talents and capacities of every student.

Our focus is on the development of lifelong learners with the strong personal qualities and confidence necessary to meet the challenges of life in a complex information-rich and constantly changing world in the 21st Century.

In Year 10, the core curriculum consists of: English, Ethics, Health, Physical Education, Humanities (History and Geography), Mathematics, Science and Work-Related Skills. All core subjects are designed to build the important foundation skills required for VCE Studies. Students also have the opportunity to extend and enrich their interests and abilities through the elective program which offers a range of diverse subjects which further complement more specialised future learning programs, including VCE.

At this level we continue to build students' capacity to work independently and encourage them to become autonomous learners. The academic program is designed to provide students with a solid grounding so that they can confidently pursue either the Victorian Certificate of Education or the Casey Pathways Program.

VCE Advanced Study

Where appropriate, and subject to approval and availability, students in Year 10 are also able to undertake a VCE subject. However, the majority of VCE studies are undertaken in Years 11 and 12. Students who wish to undertake a VCE Subject in Year 10 must complete and submit an Application to Undertake VCE Studies form and undertake an interview process.

In 2021 the VCE Subjects available as an advanced study are:

- Business Management
- Outdoor and Environmental Studies
- Psychology
- Applied Computing

Pathways

At Casey Grammar School, students are presented with several pathways which guide them towards their future study and employment.

Careers guidance ensures students select programs which suit their future study and employment. The open grid line subject selection process enables students to select from a wide range of subjects and build their individual pathway. In Years 11 and 12, students are able to undertake either the VCE course and achieve an ATAR required for University selection or the Casey Pathway Program that supports a pathway towards TAFE, an apprenticeship and/or employment.

Year 10 Overview

Study

Casey Grammar School provides students with a variety of learning opportunities within and beyond the regular classroom structure. These may include sports days, field trips, camps, lectures and classes during term breaks, classes before and after school hours, and lunchtime tutorials. It is a condition of enrolment that students attend these learning opportunities when appropriate and fully commit to the CGS program.

At Casey Grammar School students are expected to take appropriate responsibility for their learning and this includes a well-managed home study routine.

At each level we encourage students to organise their time around a Study Session of concentrated, uninterrupted application several times a week. The table indicates total study time which can be divided into manageable study sessions. In each session students should have a number of things they set themselves to achieve.

Homework may include:

- Assigned homework exercises
- Practising skills
- Reading - as one of the most vital skills for language development and building personal learning skills students are expected to read widely at home
- Independent research
- Preparatory work for class activities
- Reviewing work - students must develop a routine of regular review as tests and exams form a substantial percentage of each term's results.
- Summarising class notes to reflect on learning is crucial for learning success
- Individual inquiry and creative pursuits to build lifelong learning skills

At Secondary School the benefits of homework are well supported by research. The homework areas outlined above show there is never a reason for students to say, "No home study tonight!" Nor is there a reason for students to miss deadlines as the school provides many opportunities for students to catch up during lunch time and after school.

At Casey Grammar we work hard to ensure teachers set effective and achievable homework. Parents need to be aware that sometimes a student who appears to have 'too much' homework might actually be working on material that should have been completed during class time. In such situations a review of the student's learning behaviours will take place in conjunction with the class teacher.

Home Study Time	
Year Level	Study Time per week
Year 7	5 x 1 hour
Year 8	7 x 1 hour
Year 9	9 x 1 hour
Year 10	10 x 1 hour
Year 11	12 x 1 hour
Year 12	18 x 1 hour

Year 10 Overview

Curriculum Map

Year 10 Breadth Sequence of Schooling		
Core Subjects Compulsory	Electives Semester Based	Specialised Study / Pathways
English	Humanities <ul style="list-style-type: none"> Modern History Commerce 	Vocational Education and Training (VET) VCE Units 1 & 2 <ul style="list-style-type: none"> Applied Computing Outdoor and Environmental Studies Business Management Psychology
Mathematics	Science <ul style="list-style-type: none"> Extension - Biochemistry 	
Humanities	Health and Physical Education <ul style="list-style-type: none"> Health & Human Development 	
Science	Language <ul style="list-style-type: none"> French (two semesters) 	
Health	Performing Arts <ul style="list-style-type: none"> Drama Music 	
Ethics	Visual Arts <ul style="list-style-type: none"> Visual Communication and Design (VCD) Studio Arts 	
Work Related Skills	Specialist Areas <ul style="list-style-type: none"> Product Design and Technology Media 	
Physical Education		

Subject selection requests are made via the Subject Selection Request form.

VCE subject selection request requires the completion of Application to Undertake VCE Studies form in addition to the Subject Selection Request Form.

While we aim to allocate each student their first elective preference, timetabling constraints may mean we need to allocate students one of their reserve elective selections.

Electives will proceed depending on numbers.

Year 10

Core Subjects

English

The English curriculum is organised by language modes and strands.

Modes

Reading and Viewing involves students understanding, interpreting, critically analysing, reflecting upon, and enjoying written and visual, print and non-print texts. Writing involves students in the process of conceiving, planning, composing, editing and publishing a range of texts. Speaking and Listening refers to the various ways oral language is used to convey and receive meaning. The language modes are interrelated and the learning in one often supports and extends learning of the others.

Strands

In the Language strand, students develop their knowledge of the English language and how it works. The Literature strand engages students in the study of literary texts. The Literacy strand aims to develop students' ability to interpret and create texts with appropriateness, accuracy, confidence and fluency.

Curriculum Overview

In Year 10 students are prepared for their VCE experience by completing assessment tasks derived from the VCE English study design. The skills and knowledge required for these tasks align with the Level 10 achievement descriptors in the Victorian Curriculum. Students respond analytically and creatively to texts, developing sustained, personal interpretations. They compare the ideas, issues and themes raised in complementary texts. Students analyse the intended effects of language, argument and structure. They discuss how audiences are positioned by text and then apply this knowledge to their own persuasive writing. Students develop their articulacy, fluency and confidence when presenting their points of view.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Reading and Creating Texts• Reading and Comparing Texts• Analysing and Presenting Argument	<ul style="list-style-type: none">• Analytical text response• Creative text response• Comparative text response• Comparing and analysing the use of persuasive language and argument• A persuasive speech

Year 10

Core Subjects

Mathematics

In Year 10 the curriculum is designed to encourage the development of important ideas in more depth and to promote the interconnectedness of mathematical concepts. Year 10 mathematics is streamed into three levels - Advanced, Core and Foundation - designed to prepare students for varying studies in VCE Mathematics.

Advanced Mathematics is an intellectually challenging subject designed for students who enjoy mathematics. This subject does require students to devote greater time and effort to the subject. Advanced Mathematics is assumed knowledge for students undertaking VCE Maths Methods Unit 1 & 2, and/or Specialist Mathematics Unit 1 & 2 in the following year. Following the successful completion of one or both of these, students will be able to attempt different combinations of Year 12 mathematical studies.

Core Mathematics extends students' mathematical knowledge to a wide range of familiar and unfamiliar contexts. Core Mathematics is assumed knowledge for students wishing to study General Maths Unit 1 & 2 in the following year and, on the successful completion of this, students may attempt Further Mathematics Unit 3 & 4 in Year 12.

Foundation Mathematics is a modified mathematics curriculum. The course is designed to give students an appropriate mathematical education, preparing them with the skills needed to function beyond school with a strong emphasis on mathematics used in practical contexts encountered in everyday life. On successful completion students may enrol in Foundation Maths Unit 1 & 2, though there is no option to undertake Units 3 & 4 studies in mathematics.

Units of Study / Topics	Assessment
<p>Advanced</p> <ul style="list-style-type: none"> • Linear Relations • Trigonometry • Indices and Surds • Quadratic Equations and graphs • Logarithms <ul style="list-style-type: none"> • Algebra • Statistics • Measurement • Polynomials 	<ul style="list-style-type: none"> • Topic tests • Assignments • Problem solving • Examinations
<p>Core</p> <ul style="list-style-type: none"> • Linear relations • Trigonometry • Measurement • Finance <ul style="list-style-type: none"> • Algebra • Quadratics • Probability • Statistics 	<ul style="list-style-type: none"> • Topic tests • Assignments • Problem solving • Examinations
<p>Foundation</p> <ul style="list-style-type: none"> • Number • Money, Percentages, Rates and Ratios • Trigonometry • Time and Travel <ul style="list-style-type: none"> • Measurement • Probability • Finance • Statistics 	<ul style="list-style-type: none"> • Topic tests • Workbook • Assignments • Problem solving • Examinations

Both levels incorporate 10 and 10A usage of CAS calculator technology, the CAS calculator needed for 2021 is Ti Nspire CX II CAS.

Many tertiary courses have prerequisites in the area of Mathematics. As such, it is important to be aware of any such prerequisites.

Year 10	Year 11	Year 12
Foundation	Foundation 1 & 2	
Core or Advanced	General Mathematics	Further Mathematics
Advanced	Mathematical Methods 1 & 2 or	Further Mathematics
	Mathematical Methods 1 & 2 and	Mathematical Methods 3 & 4
	Specialist Mathematics 1 & 2	Mathematical Methods 3 & 4 and Specialist Mathematics 3 & 4 (not on offer in 2021)

Completion of Foundation Mathematics does not allow access to a Unit 3 & 4 study of mathematics.

Successful completion of General Mathematics allows students to attempt Further Mathematics at Year 12.

Mathematical Methods 1 & 2 are assumed knowledge for Mathematical Methods 3 & 4.

Specialist Mathematics is for students who are passionate about studying high levels of Mathematics at a university level (Mathematics, Science and Engineering) but is not compulsory for the majority of tertiary courses.

Year 10

Core Subjects

Humanities

Geography

In Year 10 Geography, students will investigate two units of study: 'Environmental Change and Management' and 'Geographies of Human Wellbeing'. This is a semester based course.

Environmental Change and Management focuses on investigating environmental geography through an in-depth study of a specific environment. Students will explore the environmental functions that support all life, the major challenges to their sustainability and the environmental world views that influence how people respond to these challenges.

Geographies of Human Wellbeing involves the exploration of global, national and local differences in human wellbeing between places. Students will examine different concepts and measures of human wellbeing, and the causes of global differences between countries. Aspects of human wellbeing are investigated using studies drawn from Australia and around the world.

The key inquiry questions are:

- How can the spatial variation between places and changes in environments be explained?
- What management options exist for sustaining human and natural systems into the future?
- How do worldviews influence decisions on how to manage environmental and social change?

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Environmental Change and Management• Geographies of Human Wellbeing	<ul style="list-style-type: none">• Research• Mapping• Analysis• Note taking• Oral presentations• Fieldwork tasks• Collaborative and independent tasks

Year 10

Core Subjects

Humanities

History

The Year 10 History curriculum provides students with the opportunity to explore the history of the modern world and Australia from 1918 to present. The study of this period requires students to analyse ways in which Australia developed socially, culturally, economically and politically during this time. Students will be able to identify the causes, events, outcome and broader impact of World War II. They will investigate ways in which human rights and freedoms have been ignored, demanded or achieved in Australia and around the world. Finally, students will explore how major global influences have helped shaped Australian society.

The key inquiry questions are:

- How and why did the nature of global conflict change during the twentieth century?
- What were the consequences of World War II? How did these consequences shape the modern world?
- How was Australian society affected by other significant global events and changes in this period?

This is a semester based course.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Australia at War: World War II• Rights and freedoms (1945 to present)• The globalising world	<ul style="list-style-type: none">• Source analysis• Research• Note taking• Collaborative and independent tasks• Oral presentations

Year 10

Core Subjects

Science

The Year 10 Science course is designed to provide all students with a level of understanding of Science as it affects our lives in modern society. Students acquire skills to become discriminating thinkers capable of making informed decisions about controversial and complex issues. They are encouraged to improve their sustained thinking skills and develop a deep understanding of the four key areas of Science:

- Biological Science
- Physical Science
- Chemical Science
- Earth and Space Sciences

Whilst consolidating and extending the skills developed in the junior secondary years, students will be challenged to identify, use, reflect on, evaluate and modify a variety of effective thinking strategies to inform future choices.

Students will learn to formulate and test hypotheses, connections and conjectures and to collect evidence to support or reject them. They will develop skills in synthesising complex information and solving problems that include a wide range of variables. Students will use appropriate scientific language, representations and text types when communicating their findings and ideas for specific purposes. The subject also aims to provide important and consolidatory skills to aid the student with the selection and study of Science at a VCE level.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Genetics and Evolution• Energy and Motions• Periodic Table and Chemical Reactions• Global Systems• The Universe	<ul style="list-style-type: none">• Topic tests and Examinations• Practical and Analytical Tasks• STEM Projects• Assignments• Collaborative and Independent Research Investigations

Additional Information

Students will be given the opportunity to take part in various extension activities including: excursions and/or incursions, Science Talent Search, Australian National Chemistry Quiz, The University of New South Wales Science Competition, The Big Science Competition and The Science Olympiad.

Year 10

Core Subjects

Health

This course aims to help students to lead healthier, happier and more productive lives and to better understand themselves and relate more empathetically to others. They will improve their competence in decision-making, especially in relation to their own well-being, and learn to value the importance of developing preventative health measures. Students will participate in a safe and secure environment in which personal and community health issues can be discussed.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Sexual awareness• Drug information• Mental health	<ul style="list-style-type: none">• Recognition of harm-minimisation strategies• Ability to identify strategies that promote mental health and wellbeing• Understanding of sexual health for an individual

Year 10

Core Subjects

Ethics

Students in Ethics begin by studying Media Ethics. This unit explores the role of the media in society and its impact on our lives. During our study of Medical Ethics, students will investigate and complete research on current issues within the medical realm; such as genetic engineering and cloning. They will also study current issues within Animal Ethics through research. In Ethics, students are required to research and identify the key arguments within ethical issues. Students develop their understanding of the impact of discrimination through a unit on stereotypes and culture. Using analysis, students make decisions about where they stand on issues and support their decisions with evidence.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Media ethics• Medical ethics• Animal ethics• Stereotypes	<ul style="list-style-type: none">• Students complete an assessment task for each unit studied• Assignments ask students to use the process of ethical decision making to complete research and analysis on selected issues

Year 10

Core Subjects

Work Related Skills

Year 10 students focus on planning their pathway to achieve broad career goals that offer a range of options. Students use their increased self-knowledge and deeper understanding of the education and training requirements to inform these decisions.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Self-development• Career exploration• Career management	<ul style="list-style-type: none">• Career tests• Career management plan• Tertiary institution research project

Additional Information

Students can undertake meaningful work experience throughout the year.

All students will participate in the Career's and Pathways Program during Term 2. They will visit various universities and TAFEs, participate in forums, complete an OHS program and listen to guest speakers.

Year 10

Core Subjects

Physical Education

Physical Education at Year 10 aims to develop students' proficiency in performing and refining specialised movement skills in increasingly challenging movement situations. Whilst doing this, students will seek ways to evaluate and refine the quality of their own performance through the use of effective feedback and implementation of appropriate tactical strategies. The course also aims to increase students' motivation to become active, as well as maintain a level of fitness that allows them to participate in many types of physical activities and ultimately maintain a healthy lifestyle as they enter adulthood. Adding to this, students will develop, implement and evaluate a personalised plan for improving their own fitness levels.

The curriculum also provides opportunities for students to refine and consolidate the personal and social skills necessary to demonstrate leadership and collaboration in a range of physical activities. They will also reflect on how ethical behaviour can influence the outcomes of movement activities.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Challenge and adventure activities• Games and sports• Lifelong physical activities• Rhythmic and expressive movement activities• Personal fitness goals• First Aid and CPR	<ul style="list-style-type: none">• Active participation in class activities• Use of appropriate motor skills and tactics• Personal fitness goal evaluation and fitness testing• Topic tests

Additional Information

Because of the school's firm belief in the importance of physical activity, students must participate in this subject. They will not be excused from this subject without a signed note from their parents which explains the nature of their illness. If a physical problem persists, the school will request a doctor's certificate. For many injuries, there is often a modified activity that students will be able to participate in to ensure they are continuing with their learning in the subject.

Year 10 Electives

Humanities Modern History

This elective is designed to support the Year 10 History curriculum and further develop the students' historical knowledge, skills and concepts.

The context of this elective will be the global issues of the early 1900s; in particular, the focus will be on Australia, the USA and the USSR during this time period. The main study areas are popular culture, environmental movements and political issues of the early 1900s. Whilst studying this context, the students will further develop their historical skills including: document analysis, using sources as evidence, essay writing, and individual perception.

It is recommended that students considering taking the VCE History course undertake this History elective.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Global issues during early 1900s<ul style="list-style-type: none">- Popular culture- Environmental movements- Political issues	<ul style="list-style-type: none">• Research• Document analysis• Sources as evidence• Note taking• Extended writing

Year 10 Electives

Humanities Commerce

This course introduces students to concepts in VCE Accounting, Business Management, Legal Studies and Economics. It is designed to assist students in understanding what each subject entails at the VCE level. They will spend approximately four weeks covering each subject and build skills in researching, collaboration, entrepreneurship, problem solving and decision making.

It is recommended students considering taking either the VCE Accounting, Business Management, Legal Studies or Economics courses undertake this Commerce elective.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Business Management• Economics• Legal studies• Accounting	<ul style="list-style-type: none">• Research and collaboration• Tests• Visual displays and presentations• Analysing case studies• Preparing financial reports

Year 10 Electives

Science

Extension Science – An introduction to VCE Science

This elective is an applied science course that has been designed to prepare students for the successful study of VCE Biology, VCE Chemistry and/or VCE Physics.

Biology - Students will investigate the chemical basis of biomolecules that make up cells, the processes and cell components involved in protein manufacture and the structure and function of enzymes. They learn about the innate and adaptive immune system with a particular focus on the cells of the immune system. Applications of biotechnology will also be explored.

Chemistry – In this unit, students learn about the significance of the organic molecules. They learn about their significance, reactions and interactions in the world around us. Students will also develop an understanding of the most important chemical reactions and learn how to quantitatively determine their products.

Physics - Students will explore mathematical and experimental foundations of forces, motion and energy. Using Newton's experiments on motion and activities involving collisions, students describe motion in vector and scalar quantities. They will also learn about energy in the form of kinetic, gravitational and spring potential.

Throughout this pre-VCE Science course, students will have the opportunity to undertake a series of scientific experiments and simulations to support their learning and undertake a self-design investigation. Whilst undertaking scientific investigations, students will scrutinise weak and strong scientific design.

This course is highly recommended for students considering taking a VCE Science course.

Units of Study	Assessment
<ul style="list-style-type: none">• Biomolecules• Innate and adaptive immune system• Biotechnologies• Organic chemistry• Analytical chemistry• Collisions• Energy	<ul style="list-style-type: none">• Topic Tests• Practical and Analytical Skills• Assignment Work• Independent Research Project (IRP)

Additional Information

Students will be given the opportunity to take part in various extension activities including excursions and participate in competitions such as The Victorian Titration Stakes, Science Talent Search, ANCQ and Big Science Competition.

Year 10 Electives

English Literature

This semester elective is designed to provide students with a comprehensive foundation for Literature in VCE. The course focuses on the enjoyment and appreciation of reading. It includes discussion, debate and the challenge of exploring the meanings of literary texts. The Literature elective encourages students to develop independent and critical thinking which will assist them as they enter their VCE courses.

It is recommended that students considering taking the VCE Literature course undertake this Literature elective.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Reading Practices• Ideas and concerns in texts• The text, the reader and their context• Exploring connections between texts	<ul style="list-style-type: none">• Text analysis• Written responses• Essays

Year 10 Electives

Language French (Full Year Course)

In learning a Language Other Than English (LOTE), students develop communication skills and knowledge. Students also come to understand social, historical, familial and other aspects of the specific language and culture of the speakers of the language being studied. Language learning contributes to the development of inter-culturally aware citizens.

The course is structured around the knowledge, understandings and skills required to communicate in French, to be aware of language as a system and to gain cultural insights. Course content is centred on themes relating to everyday language use, covering topics relevant to the students' own language needs.

Year 9 and 10 French are pre-requisites for students wishing to study French in VCE.

A cultural and linguistic tour to New Caledonia is typically offered to students in alternating years.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Tourism• Daily routine• Childhood memories• In the past• Protecting the environment• Helping out at home• Future ambitions	<ul style="list-style-type: none">• Regular tests of speaking, listening, viewing reading and writing to monitor student progress and thus influence style and pace of teaching• Oral presentations including role-plays• Participation in group and individual activities• French poetry competition• End of year examination

Home Study

Students are expected to complete regular homework in French, including vocabulary revision on a nightly basis. Students should also maintain summary notes, particularly as there is a stronger focus on grammar (verb conjugation, tenses, adjectival agreement etc.) than in previous years.

Regular written homework will also be set by the teacher, and students are encouraged to access multimedia including recommended websites to increase their understanding of the French language and awareness of French culture.

Year 10 Electives

Performing Arts Drama

This semester elective will serve as an introduction to the concepts and skills required for VCE Drama.

Students will improvise with the elements of drama and narrative structure to develop ideas and explore subtext to shape devised and scripted drama. Students will work with scripted material to write a performance based on a prescribed structure.

Students will learn about dramatic elements, stagecraft and various styles of theatre in preparation for developing their own show. As part of an ensemble, students undertake responsibilities of stagecraft and present scripted material to an audience. An opportunity to perform student work at a One Act Play Festival may present itself.

Please note – students undertaking this unit will be required to perform publically.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Analysis and presentation of improvised and scripted material to an audience• Development of performance from a prescribed structure• Playmaking techniques• Performance skills• Analysis of a professional production (TBC)	<ul style="list-style-type: none">• Written scripted performance• One Act Play Performance• Rehearsal and class contribution• Analysis of a professional production• Performance evaluation

Year 10 Electives

Performing Arts Music

Year 10 Music is designed to be an introduction to VCE Music Solo Performance and provide students with the skills needed to be successful in VCE Music. It is important that students have experience with at least one musical instrument and preferable that they have instrumental music lessons, although this is not essential.

It is essential that students considering the VCE Music course undertake the Music elective as a full year course. Entry into VCE Music can be achieved by undertaking Semester 2 elective only but students will need to also undertake an interview process and meet further criteria.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Technical development• Theory• Performance• Composition	<ul style="list-style-type: none">• Performance – both solo and ensemble• Listening analysis• Theory tests• Composition• Aural recognition

Year 10 Electives

Visual Arts

Visual Communication and Design (VCD)

Visual communicators use text and/or image to communicate information. Architecture, engineering, graphic, industrial and multimedia design, advertising and marketing, cartography and fashion are challenging and possible future career options. Students will learn about the three design fields: Communication, Industrial and Environmental.

This course will explore a range of creative and traditional methods used to communicate information and ideas visually. Students will learn the fundamentals of scanning, output and digital manipulation and gain an understanding of Adobe Photoshop and Adobe Illustrator to explore design possibilities and to create final presentations. Students will learn traditional drawing methods alongside digital technology, work with a wide variety of different media to develop their concepts and become familiar with the design process. Throughout the course, technical drawing skills will be acquired and these will be used to further develop their own personal designs. Students will learn to analyse and research existing design with a strong emphasis on understanding design elements and principles.

It is recommended that students considering the VCE Visual Communication and Design Course undertake the Visual Communication and Design elective.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Exploring media drawing• Room interior perspective unit• Exploring of design elements and principles• Adobe Illustrator skills• Introduction to design principles, logo development and packaging• Instrumental drawings: isometric and planometric methods• Orthogonal drawing	<ul style="list-style-type: none">• Level of skill with media and rendering techniques• Skill and understanding of drawing methods• Knowledge of digital media• Understanding of design process• Visualisation and observational drawings• Development of design briefs

Year 10 Electives

Visual Arts Studio Arts

This course of study aims at developing skills in observational and creative drawing, painting and sculpture. Following the studio arts process, students will develop skills and techniques to express a range of personal concepts and ideas. Contemporary artistic movements such as Pop Art is studied through a research assignment and creation of artworks inspired by this exploration.

It is recommended that students wishing to study Studio Arts or Visual Communication Design take this elective.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Art Elements – Front Cover Design• Tonal and Gesture Drawing• Pastel Drawing – Music and imagery• Pop Art Painting/Digital Art – Andy Warhol's Joiners• Pop Art written project• Ink and Watercolour – Thematic approach• Recycled sculpture – From waste to Art• Visual Analysis	<ul style="list-style-type: none">• Research and idea generation• Media skills and techniques• Completion and presentation of finished artworks• Written and oral visual analysis• Personal evaluation of processes and artworks

Year 10 Electives

Specialist Areas Product Design and Technology

This elective aims to develop in each student the knowledge, understanding and skills they need to complete Design Folio and Production pieces.

It enables students to build upon their learning in Years 7-9 Technology. Specifically, it focuses on the following stages: Design, Investigate, Produce and Evaluate. Students learn about the design process involving design ideas, trial solutions, problem solving, and the development of a working plan that leads into a production outcome and an evaluation of the whole process.

It is recommended that students considering taking the VCE Product Design and Technology course undertake the Product Design and Technology elective.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Design to meet a brief• Design to meet a need• Production using hand and power tools• Understanding characteristics of materials• Projects such as desk organiser, key rack, side table and planter box	<ul style="list-style-type: none">• The theory component of this unit will consist of a design folio containing: research, a design brief, visualisation drawings in 2D and 3D, proposal drawings and working drawings• The practical component of this unit will consist of a number of small projects

Year 10 Electives

Specialist Areas Media

In Media, students create visual representations that communicate, challenge and express their own and others' ideas, as both creator and audience. Through study of 'Representation' they explore the notion that 'nothing in the media is real'. Students examine the impact of the media through analysis of visual and printed mediums and analyse film and television shows.

Students will use technology to create short films, and an awareness campaign video. They explore the various ways in which the media influences an audience through the 'creation' of a product.

It is recommended that students considering taking the VCE Media Course undertake this Media elective.

Units of Study / Topics	Assessment
<ul style="list-style-type: none">• Representation in the media• Film techniques• The 'creation' of media• Film Study• Social Awareness campaigns• News broadcast	<ul style="list-style-type: none">• Social awareness video• Production Folio• Written film analysis• Research project

VCE VET Program

Vocational Education and Training (VET)

VET offers students the opportunity to:

- Combine general and vocational studies
- Explore career options and pathways
- Undertake learning in the workplace
- Gain a nationally recognised qualification or credit towards a qualification that contributes to the VCE
- Develop skills that will equip students for the workplace and further study

VET Providers	Examples of Programs
<ul style="list-style-type: none">• TAFE - either on a Wednesday or Friday• Other local schools• Group Training Company	<ul style="list-style-type: none">• Agriculture and Horticulture• Animal Studies• Fashion Design• Automotive• Building and Construction• Business• Cisco• Dance• Engineering• Hospitality• Health• Media• Sport and Recreation

Additional Information

- Students complete their VET studies one day a week and are not at school on that day; therefore, they need to be highly organised
- Costs – often between \$800 and \$3,000 dollars – the school will subsidise some of these costs depending on government funding (parents are billed in Semester 2 for the remaining costs)
- If a student decides to not complete the course the parent will still be billed as the providers cost their courses for the entire year (the school must repay the provider)

VCE

Units 1-4

VCE

Business Management

Business Management examines the ways businesses manage resources to achieve objectives. The VCE Business Management study design follows the process from the first idea for a business concept, to planning and establishing a business, through to the day-to-day management of a business. It also considers changes that need to be made to ensure continued success of a business. Students develop an understanding of the complexity of the challenges facing decision makers in managing these resources.

Year 11		Year 12	
Unit 1 Planning a business	Unit 2 Establishing a business	Unit 3 Managing a business	Unit 4 Transforming a business
<p>Unit 1</p> <ul style="list-style-type: none"> Explore the factors affecting business ideas Internal and external environments within which businesses operate, and the effect of these on planning a business Decision-making and planning of a businesses, including a business simulation activity Legal, political, social, economic, technological, global and corporate social responsibility factors Business models, legal business structures and staffing <p>Unit 2</p> <ul style="list-style-type: none"> Complying with legal requirements Establish a system of financial record keeping Essential features of effective marketing Processes undertaken when recruiting, selecting, development and induction of staff Analysis of various management practices and applying this knowledge to contemporary business case studies 		<p>Unit 3</p> <ul style="list-style-type: none"> Key processes when managing a business to achieve the business objectives Key characteristics of businesses and their stakeholders Corporate culture, management styles, management skills and the relationship between each of these Strategies to manage and motivate staff and business operations to meet objectives <p>Unit 4</p> <ul style="list-style-type: none"> Reviewing key performance indicators to determine current performance Strategic management practices to position a business for the future Study of theoretical model to undertake and manage change Responding to evaluation data and the importance of leadership in change management Analysis of various management practices and applying this knowledge to contemporary business case studies 	

Entry Point Skills

- Commerce elective recommended

For a detailed course overview, please visit the VCAA website - www.vcaa.vic.edu.au

VCE

Units 1-4

VCE

Applied Computing

The rapid pace of development in information and communications technology (ICT) is having a major influence on many aspects of society. Not only does ICT provide the capacity to change how tasks and activities are undertaken, but it also creates new opportunities in work, education, entertainment and society.

Year 11		Year 12	
Unit 1 Applied Computing	Unit 2 Applied Computing	Units 3 and 4 Data Analytics	Units 3 and 4 Software Development
Unit 1 Applied Computing <ul style="list-style-type: none">• Data and graphic solutions. Students learn to present various forms of data in an exciting graphic form, data analysis and visualisations.• Programming. Students learn to program using scripting or programming tools Unit 2 Applied Computing <ul style="list-style-type: none">• Innovative solution to an identified need or opportunity involving a digital system.• Examine the capabilities and vulnerabilities of a network solution, discuss the threats to data and information		Unit 3 & 4 Data Analytics <ul style="list-style-type: none">• Organisations and data management• Data analytics and making conclusions• Presenting analytical findings and data visualisations• Problem solving methodology and project management• Managing data and security Unit 3 & 4 Software Development <ul style="list-style-type: none">• Programming practice and interpreting designs• Analysis and design, and determining the need for a software solution• Software solutions, developing and evaluating various solutions and project plans• Interactions and impact of how the integrity of supplied data to one system affects others	

Entry Point Skills

- Have a genuine passion for technology
- An understanding of basic programming and web design skills

For a detailed course overview please visit the VCAA website - www.vcaa.vic.edu.au

VCE

Units 1-4

VCE

Outdoor and Environmental Studies

VCE Outdoor and Environmental Studies provide students with the skills and knowledge to safely participate in activities in outdoor environments and to respect and value diverse environments. The blend of direct practical experience of outdoor environments with more theoretical ways of knowing enables informed understanding of human relationships with nature.

Year 11		Year 12	
Unit 1 Exploring outdoor experiences	Unit 2 Discovering outdoor environments	Unit 3 Relationships with outdoor environments	Unit 4 Sustainable outdoor relationships
Unit 1 <ul style="list-style-type: none"> • Use and meanings of nature • Types of outdoor environments • Motivations • Personal responses to nature • Media portrayals of outdoor environments • Personal responses to risk • Sustainable interactions • Technology and outdoor environments Unit 2 <ul style="list-style-type: none"> • Characteristics of outdoor environments • Recreation, scientific, land managers and other understanding of outdoor environments • Impacts on outdoor environments • Community based environmental action • Codes of conduct • Impact of technology and urbanisation on outdoor environments 		Unit 3 <ul style="list-style-type: none"> • The Australian environment before humans • Relationships with outdoor environments over different time frames • Environmental movements • Contemporary relationships • Factors influencing relationships including technology, commercialisation, social and political discourses, societies response to risk taking Unit 4 <ul style="list-style-type: none"> • Understanding sustainability • Contemporary state of outdoor environments • Potential impacts on society • Conflicts of interest • Management strategies and policies 	

Entry Point Skills

- 'At Standard' result for Year 9 Geography
- Duke of Edinburgh elective recommended
- Commitment to fully participate in all activities, noting that many will be out of regular school hours including term breaks

For a detailed course overview please visit the VCAA website - www.vcaa.vic.edu.au

VCE

Units 1-4

VCE Psychology

Psychology is the study of mental processes and behaviour in humans. It centres on the complex relationship between behaviour, cognition and socio-cultural influences. It enables students to understand the factors that influence thought, emotions and behaviour. The study assists students in developing effective language skills for communication and numeracy skills for data analysis. In addition, students develop a range of broader skills including problem solving, critical evaluation and the application of processes of scientific inquiry.

Year 11		Year 12	
Unit 1 How are behaviour and mental processes shaped?	Unit 2 How do external factors influence behaviour and mental processes?	Unit 3 How does experience affect behaviour and mental processes?	Unit 4 How is wellbeing developed and maintained?
Unit 1 <ul style="list-style-type: none"> • Role of the brain in mental processes and behaviour • Brain plasticity and brain damage • The complexity of psychological development • Atypical psychological development • Student-directed research investigation Unit 2 <ul style="list-style-type: none"> • Compare the sensations and perceptions that may lead to distortions of perception • Social cognition and attitudes • Social influences on behaviour • Design and undertake a practical investigation related to external influences on behaviour 		Unit 3 <ul style="list-style-type: none"> • Examine the functioning of the nervous system to explain how a person can interact with the world around them • Explore how stress may affect a person's psychological functioning and consider the causes and management of stress • Investigate how mechanisms of memory and learning lead to the acquisition of knowledge, the development of new capacities and changed behaviours • Consider the limitations and fallibility of memory and how memory can be improved Unit 4 <ul style="list-style-type: none"> • Examine the nature of consciousness and how changes in levels of consciousness can affect mental processes and behaviour • Consider the role of sleep and the impact that sleep disturbances may have on a person's functioning • Explore the concept of a mental health continuum and apply a biopsychosocial mental disorder • Design and undertake a practical investigation related to mental processes and psychological functioning 	

Entry Point Skills

- Averaged at least 70% in Year 9 Science
- Display independent practical skills
- Science elective is recommended

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Prep to Year 12

Every day, a discovery.