Casey Grammar
SCHOOL
one in the spirit

Every day, a discovery.

Year 10
Curriculum
Handbook

one in the spirit

Year 10
Curriculum Handbook

Contents

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 and 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 the Victorian Certificate of Education.

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 11and 12. Students who wish to undertake a VCE Subject in Year 10 must complete and submit an Application to Undertake VCE Studies form.

In 2017 the VCE Subjects available as an advanced study are:

• Business Management
• Outdoor Education
• Psychology
• Computing

VCE Pathways

At Casey Grammar School VCE subjects are organised using a 'Pathways' framework to ensure students choose appropriate programs for future study and employment. This enables students to choose a course to meet their learning needs. The Year 10 timetable grid is organised to ensure students have access to these programs in Year 11 and 12.

Year 10
Overview

Home Study

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. 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

Suggested Home Study Sessions	
Year Level	**Study Session**
Year 7	10 x 30 minutes
Year 8	14 x 30 minutes
Year 9	12 x 45 minutes
Year 10	14 x 45 minutes
Year 11	15 x 50 minutes
Year 12	21 x 50 minutes

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.

Year 10
Overview

Curriculum Map

Year 10 Breadth Sequence of Schooling		
Core Subjects Compulsory	**Electives** Semester Based	**Specialised Study / Pathways**
English	**Mathematics Extension** **Humanities** **Science Extension** **Health and Physical Education** • Applied Sport Science • Strategies in Sport **Language** • French (two semesters) **Digital Technologies** • Analytics **Performing Arts** • Drama (two semesters) • Music **Visual Arts** • Visual Communication and Design (VCD) • Studio Arts **Specialist Areas** • Product Design and Technology • Digital Photography • Media • Taking Care of Business • French · STEM	**Fundamentals for VCE** • Literacy and Numeracy • Study Skills **Vocational Education and Training (VET)** **VCE Units 1 & 2** • Computing • Outdoor and Environmental Studies • Business Management • Psychology
Mathematics		
Humanities		
Science		
Health		
Ethics		
Work Related Skills		
Physical Education		

The final subject offerings are subject to sufficient student demand, availability of teaching staff and any resource and timetabling constraints.

Year 10
Core Subjects

English

Year 10 English gives students an opportunity to develop their writing skills and, study and respond critically to spoken, written and visual texts created for a range of audiences and purposes. At Year 10, students will closely study a novel and a documentary film. They will be exposed to a selection of texts exploring conflict, and will compose a range of imaginative, informative and persuasive texts about this theme. Students will also build on their understanding of the language of persuasion through the analysis of influential speeches and the creation of persuasive texts. The Year 10 English course is designed to equip students with the fundamental skills and knowledge required in VCE English.

Language is central to the way in which students understand, critique and appreciate their world and to the ways in which they participate in Australian society. The study of English encourages the development of literate individuals capable of critical and imaginative thinking. The course is divided into three key areas: Reading and Creating; Reading and Comparing; Analysing and Presenting Argument.

Units of Study / Topics	Assessment
• Reading and creating responses to texts • Analysing and presenting argument	• Analytical essay • Creative response • Oral presentation • Language analysis

Year 10
Core Subjects

Mathematics

In Year 10, the intent of the curriculum is to encourage the development of important ideas in more depth, and to promote the interconnectedness of mathematical concepts. An obvious concern is the preparation of students intending to continue studying mathematics in the senior secondary levels. Teachers will, in implementing the curriculum, extend the more mathematically able students by using appropriate challenges and extensions within available topics (Level 10A). A deeper understanding of mathematics in the curriculum enhances a student's potential to use this knowledge to solve non-routine problems, both at this level of study and at later stages.

Level 10A content descriptors indicate optional additional content suitable for development of student mathematical background in preparation for further study of functions, algebra, and calculus; as well as other additional content related to statistics and trigonometry.

Units of Study / Topics	Assessment
• Linear relations • Algebra • Trigonometry • Measurement • Indices and surds • Statistics • Quadratic equations and graphs • Logarithms and polynomials	• Topic tests • Assignments • Problem solving • Examinations

Additional Information

All students undertake Level 10 of the Australian Curriculum. In consultation with students, parents and the mathematics teachers, students are guided into the appropriate topics in preparation for VCE, whether that is for General Mathematics using Year 10 as the standard, or for Mathematical Methods, using both Levels 10 and 10A as the standards.

Both levels incorporate 10 and 10A usage of CAS calculator technology.

Each student is also assessed on an individual basis for extension or remedial mathematics where necessary and individual learning programs are implemented as required.

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'.

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 will involve 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 for Year 10 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
• Environmental change and management • Geographies of human wellbeing	• Research assignments • Mapping tasks • Source analysis • Note taking • Key assessment 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 popular culture has shaped Australian society.

The key enquiry questions for Year 10 History are:

•   How 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?

Units of Study / Topics	Assessment
• World War II • Rights and freedoms (1945 to present) • The globalising world: popular culture	• Source analysis • Research tasks • Timelines • Note taking • Mapping • Key assessment tasks

Year 10
Core Subjects

Science

The Year 10 Science course is designed to provide students with the 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 their 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 study of Science at a VCE level.

Units of Study / Topics	Assessment
• Using Science • Chemical reactions • The periodic table • Using Chemistry • DNA and genetics • Evolution • Forces and motion • Alternative energy sources • Earth Systems • Environment case studies • The Universe	• Topic tests • Practical reports / skills • Model building / use • Project / assignment work • End of year theoretical and practical exam

Additional Information

Students will be given the opportunity to take part in various extension activities\excursions including: National Brain Bee Challenge, DNA profiling, Forensic Investigations and DNA Science, The Green Gene, The University of New South Wales Science Competition and The National Chemistry Quiz.

Year 10
Core Subjects

Health

This unit 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
• Sexual awareness • Drug information • Mental health	• 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. Students will develop their understanding of the impact of discrimination through a unit on stereotypes and culture. 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. Using analysis students then make decisions about where they stand on issues and support their decisions with evidence.

Units of Study / Topics	Assessment
• Media ethics • Medical ethics • Stereotypes • Animal ethics	• 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
• Self-development • Career exploration • Career management	• 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 Discovery Week Program in the last week of 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
• Challenge and adventure activities • Games and sports • Lifelong physical activities • Rhythmic and expressive movement activities • Personal fitness goals • First Aid and CPR	• 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 gaining something meaningful from their time in the subject.

Year 10
Electives

Mathematics
Explore and Extend

This course is designed to extend students' inquiry skills and problem solving strategies. They will be encouraged to develop their communication of ideas through solving Mathematical problems, puzzles and other extension activities. Emphasis will be placed on analysis, applying Mathematical processes to non-routine procedures and thinking skills.

The elective is intended to broaden the Mathematical knowledge of the participants by strengthening their understanding of skills introduced in their core Mathematics subject and encourage them to extrapolate this knowledge in the context of higher order problems.

Please note: this unit is available to students who have already demonstrated a strong aptitude and keen interest in this area.

Units of Study / Topics	Assessment
• Solving challenging Mathematical problems • Communicating Mathematical data • Extending CAS (calculator) technology	• Problem solving tasks and group work • Reports and assignments • Tests and presentations

Year 10
Electives

Humanities
History Mysteries

This elective is designed to explore various mysteries past and present, both global and with a special focus on Australia. Students will explore the history behind these mysteries using evidence, research and the analysis of various theories.

Units of Study / Topics	Assessment
• Ancient mysteries • Modern mysteries	• Research • Source analysis • Note taking • Film review

Year 10
Electives

Science
Extension

This semester elective is designed to provide students with a comprehensive base of scientific knowledge and skill to take with them into their VCE studies. This will help students to develop a deeper understanding of Science and its relationship to the world. It is strongly advised that students wishing to undertake   science at the VCE level choose this subject to improve their preparation.

The course will examine the following:

• Biological Science
• Biochemical Science
• Chemical Science

Whilst studying the key areas above, students will develop their ability to use investigative, problem solving and thinking curriculum approaches to questions. They will examine Science linked to real-life applications and take part in hands on inquiries and investigations. Students will continue to develop skill sections that develop a variety of practical and theoretical skills. They will also examine a variety of case studies of various scientific studies and fields of science at work.

Units of Study / Topics	Assessment
• Introductory risk assessments and MSDS use • Nucleation reactions and the physics of rockets • The circulatory system and the anatomy of the human heart • Bacterial growth and analysis / correct aseptic technique • Microscope use and cell staining technique • Polymers and their qualities • Dissection technique	• Practical reports / skills • Project / assignment work • End of year theory and practical skill exam

Year 10
Electives

STEM

In this course, students are challenged to solve some current technological problems by applying higher level mathematics, data analysis and science skills. The use of digital sensors, drones and coding are incorporated in the course as part of the problem solving activities. Students will learn basic engineering design principles and apply them to create, test and fine tune their design solutions.

Units of Study / Topics	Assessment
As this is a new elective, topics will be confirmed at the beginning of the course. Topics: 1. **Data collection, analysis and design: Collision Project**: 2. **Coding:** block and line programming using SPRK+ and Parrot drones	A variety of assessments will be used throughout this unit including tests, assignments and project work.

Year 10
Electives

Health and Physical Education
Applied Sport Science

This elective is designed for students who are interested in medicine, the human body, or rehabilitation with a sporting twist. They will comprehensively learn about the anatomy and physiology of the human body and how the body responds to exercise. We will specifically study the role of a sports physician, who is a doctor with specialist training in sport injuries, illnesses and rehabilitation programs. We will also research other sports medicine areas such as physiotherapy, massage therapy, podiatry, and sport trainers, and discover what these professions do to treat their patients.

Students will look specifically at some of the most common injuries and illnesses that a sports physician would have to treat, like asthma, diabetes and Osgood-Schlatters syndrome. They will explore the various different types of testing that they might use to treat a patient and will work through some injury case studies to apply this knowledge into some practical scenarios. Students will also complete some first aid and CPR training, along with trialling some basic sports taping for some routine injuries. Lastly, we will briefly touch on some drugs in sport examples from a medical point of view and will research the university requirements for the different careers within the sport medicine field.

Units of Study / Topics	Assessment
• Anatomy and physiology of the human body • Acute and chronic responses to exercise • Sport management plans for common ailments (eg. Asthma, diabetes, Osgood-Schlatters) • Common types of tests (eg. x-ray, blood test, ECG, MRI) • Medical case studies • First Aid training • Drugs in sport – legal and illegal • Careers - Sports Medicine and similar areas	• Anatomy and physiology test • Completion of case studies • First aid practical assessment • First aid theory assessment

Year 10
Electives

Health and Physical Education
Enhancing Sport Performance

This elective is designed for students who are interested in researching and exploring the different ways in which sporting performance can be enhanced. Key focus areas covered will be athlete nutrition plans, different training methods and principles, fitness testing, psychological preparation, recovery methods and skill development training.

After researching the different techniques, students will then aim to put some of these into practice during practical training sessions for a couple of different sports. During these sessions, students will aim to replicate aspects of an elite athlete's training and preparation.

Units of Study / Topics	Assessment
• Athlete nutritional plans • Training methods • Training principles • Fitness testing • Psychological preparation • Recovery methods • Skill development training	• Research assignment • Written training plan • Practical application during training sessions

Year 10
Electives

Language
French

In learning a Language Other Than English students develop communication skills and knowledge, and come to understand social, historical, familial and other aspects of the specific language and culture of the speakers of the language they are studying. 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 offered to students in alternating years.

Units of Study / Topics	Assessment
• Around town • Shopping • Health, fitness and illness • Childhood • In the past • Problems, advice and relationships • Future ambitions	• Regular tests of speaking, listening, 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 (Semester 1)

In this semester elective, students will work with scripted material to present a performance. They will look at the various roles and jobs required to put on a performance including costuming, set and prop design, direction, choreography, hair and makeup and lighting. Students work individually, and as part of an ensemble to develop and present material to an audience.

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

Units of Study / Topics	Assessment
• Creation and presentation of scripted material to an audience • Development of characters from text • Stagecraft • Playmaking techniques • Performance skills • Analysis of a professional production	• Scripted performance • Production duties • Rehearsal and class contribution • Performance evaluation

Year 10
Electives

Performing Arts
Drama (Semester 2)

This semester elective will serve as an introduction to the concepts and skills required for VCE Drama. Students will learn about stagecraft, dramatic elements and the conventions of non-naturalism. They will work individually and as part of an ensemble to develop and present both improvised and scripted material to an audience.

Students will view and analyse a performance (either a musical or non-naturalistic work) by a professional company.

Units of Study / Topics	Assessment
• Creation and presentation of scripted material to an audience • Development of a performance from a prescribed structure • Stagecraft • Playmaking techniques • Performance skills • Analysis of a professional production	• Scripted and improvised performances • Production analysis • Performance self-evaluation • Rehearsal and class contribution

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.

Units of Study / Topics	Assessment
• The Elements of Music • History of Music • Performance • Composition	• Performance • Listening analysis • Theory tests • Composition

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.

Units of Study / Topics	Assessment
• 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	• 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 subject is an introduction in to Studio Arts. Students will explore a wide range of different materials and techniques and experiment with the various aesthetic outcomes they can produce. Students will develop skills needed for the studio process and folio development required in VCE Studio Arts. They will be encouraged to develop their own art ideas through investigation and experimentation. Students will work on the idea of conceptual artworks with a strong focus on aesthetic considerations. Students will visit different gallery spaces to experience art first hand and interact with different artists and gallery professionals.

Units of Study / Topics	Assessment
• A different way of seeing letters • I see myself as an animal • Alice in Wonderland quote	• Exploration of art elements • I see myself as an animal: research, explore media trials and present final illustration using four different techniques • Alice in Wonderland quote represented in realistic, abstract and cartoon interpretation • Level of skill in handling different media • Ability to describe process and plan drawings • Creative thinking

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.

Units of Study / Topics	Assessment
• 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	• 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
Digital Photography

This subject will introduce students to understanding and using a digital SLR camera. They will learn about the history of photography, cameras, lenses, exposure, aperture, shutter speed and ISO.

They will learn elements of composition eg light, focus, blur, position of objects in photo, Rule of Thirds, Leading Lines, camera position, distractions and motion.

Finally they will be introduced to black and white photography, using software to enhance photos, how to prepare for a camera "shoot and what makes a "great" photo.

Students will use the school environment and also their everyday surroundings as subject matter to create unique and visually engaging photos and for filming. Students also be introduced to movie making and in groups will create a short 3 minute silent film. They will investigate how music and film have been used in different ways by musicians and film makers. They will choose an appropriate piece of music to go with their film.

Units of Study / Topics	Assessment
• Anywhere outside the school • Movement and motion • Composition in photography • Portraiture • Critical analysis of video clips • Short film - making the ordinary extraordinary	• Folio- photographs and film • Understanding of composition • Development of film idea • Analysis of video clips and photographs • Understanding and technique with camera • Homework tasks • Creative thinking

Year 10
Electives

Specialist Areas
Media

This course serves as an introduction to VCE Media. Students explore the idea that 'nothing in the media is real' through study of Representation. They examine media language and the impact of social media. They analyse advertising and print media and study film and television shows.

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

Units of Study / Topics	Assessment
• Representation in the media • Film techniques • The 'creation' of media • Film Study • Social Awareness campaigns • News broadcast	• Social awareness video • Written film analysis • Research project

Year 10
Electives

Specialist Areas
Taking Care of Business

This elective is designed to assist Year 10 students in gaining an understanding of the various types of "Business Style" subjects that Casey Grammar has to offer in VCE. Students will complete units of Business Management, Legal Studies, Economics, Accounting and Politics.

Units of Study / Topics	Assessment
• What is the difference between advertising and marketing? • What is Legal Studies and how our legal system affects us? • Introduction to accounting and basic balance sheets. • Introduction to economics, the share market and how these affect our way of life	• Creating a new cereal concept • Creating a business and new product • Serial killer biography • Balance sheets, profit and loss and revenue statements • The ASX Share Market game

Year 10
Specialised Study

Fundamentals for VCE
Literacy and Numeracy

This subject is designed to equip students with the skills and knowledge they need to maximise their academic success in VCE. While the main focus of the course is building literacy skills there are also opportunities for students to develop numeracy and study skills within the structure of the subject.

Units of Study / Topics	Assessment
• Essentials of English • Information literacy • The analysis and construction of argument • Technology and communication • The study of texts	• Learning journal: summarising, note-taking, analysis and discussion of texts • Text response: essay writing • Writing folio: effective communication • Presentations

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
• TAFE - either on a Wednesday or Friday • Other local schools • Group Training Company	• 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

Unit 1

- 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

Unit 2

- 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

Unit 3

- 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

Unit 4

- 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

- Ability to apply knowledge to case study examples and to work independently
- Ability to evaluate through discussion and apply critical thinking skills

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

VCE
Units 1-4

VCE
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 Computing	**Unit 2** Computing	**Unit 3** Informatics	**Unit 4** Software Development

Unit 1

- Data and graphic solutions - students learn to present various forms of data in an exciting graphic form
- Networks - students learn about global and local area computer networks
- Collaboration and communication - explore issues and opportunities associated with ICT in a global economy

Unit 2

- Programming - students learn to program using scripting or programming tools
- Locate, analyse and present information from large data set
- Data management - students individually determine their own need or opportunity for a database solution

Unit 3 & 4 IT: Applications

- Organisations and data management
- Data analytics and making conclusions
- Presenting analytical findings
- Problem solving methodology and project management
- Managing data and security

Unit 3 & 4 Software Development

- 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

- 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

- 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

- 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

- Understanding sustainability
- Contemporary state of outdoor environments
- Potential impacts on society
- Conflicts of interest
- Management strategies and policies

Entry Point Skills

- 'Medium' grade average in English and Geography
- Students may be required to undertake an interview to determine suitability for the subject
- Complete a fitness assessment in a set time

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 Shaping behaviour and mental processes	**Unit 2** External influences on behaviour and mental process	**Unit 3** How does experience affect behaviour and mental processes?	**Unit 4** How is wellbeing developed and maintained?

Unit 1

- 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

- Sensation and perception
- Distortions of perception
- Social cognition and attitudes
- Social influences on behaviour
- Student-directed practical investigation

Unit 3

- 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

- 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 approach to analyse mental health and disorder
- Use specific phobia to illustrate how the development and management of a mental disorder can be considered as an interaction between biological, psychological and social factors

Entry Point Skills

- Achieve satisfactory results in Year 10 Science
- Display independent practical skills
- Well-developed problem solving skills

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

Every day, a discovery.