

HIGHVIEW COLLEGE



2024

VCE COURSE HANDBOOK

HIGHVIEW COLLEGE VCE COURSES 2024

This booklet outlines the requirements for students undertaking a course of study leading to the award of the Victorian Certificate of Education (VCE), and provides details of the VCE units offered at Highview College. Additional important information and dates will be provided in the 'Highview College VCE Handbook', which is issued early in the school year.

The VCE is administered by the Victorian Curriculum and Assessment Authority (VCAA) which sets the conditions to be met within individual units, and awards the final certificate.

While we are not able to offer every possible VCE subject, we are committed to providing a comprehensive range of subjects which provide access into a very wide range of post-secondary courses and careers. Since VCE students are only able to study a limited number of subjects, we are confident that each year students will be able to select and study the subjects that will lead into their chosen fields.

Initial selection of courses should be made on the Year 11 or Year 12 Planning Sheet issued with this booklet. If you intend to undertake a tertiary course after completing your VCE, you should also refer to the published Victorian Tertiary Entrance Requirements (VTAC) Prerequisites to check course requirements. Please also note that some subjects may have an additional materials levy.

In 2024 we are continuing with the Vocational Major Pathways Program as an alternative offering. Details of this Pathway are included in this booklet.

If you require further details on specific units of study, subject teachers are happy to assist. To discuss tailoring a course to suit your particular needs or if you require any other information, please contact:

- The Director of Professional Practice, Wendy Hare
- The Careers Advisor, Janelle Howlett
- The Head of Year 12, Sarah Lovel
- The Head of Year 11, Luke Treacy
- The Director of Administration, Stuart Mandersloot



A handwritten signature in black ink, appearing to read 'Luke Treacy'.

Luke Treacy
Head of Year 11



A handwritten signature in black ink, appearing to read 'S. Lovel'.

Sarah Lovel
Head of Year 12 and VCE Administration

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CONNECTED LEARNING

SEQTA

All Highview College students are supplied with a computer in Year 7. This is replaced with a new one for their Senior studies in Years 10-12.

SEQTA is an all-in-one collaborative teaching and learning ecosystem that empowers the school to change the way we see the relationship between school and home, simplifying and enriching the experience for teachers, students, and parents. When we made the decision to move to SEQTA, the number one result we wanted was to have a product that improved outcomes for our students, as well as improving the school experience for teachers and parents.

Our use of SEQTA has made important changes to the way we conduct our business, delivering benefits for all stakeholders, including:

- Increasing engagement between teachers, students, and parents – as students are able to access important course materials and notes at any time, and parents are able to view these notes and engage with their children and teachers as necessary
- Improving communication between teachers, students, and parents, allowing for a full, unhindered education ‘conversation’ between school and home – the work of teachers and students is being showcased
- Online lesson delivery – richer content, with the ability for teachers to upload any number of relevant resources and notes to help students succeed, and allowing students to use SEQTA as an important revision and study tool, even when they are absent from school. This has provided dynamic lessons and increased powers of differentiation in classrooms
- Making homework and assessment details known – relieving some of the stress for both students and parents as information is easily accessible
- Timely and relevant feedback to students – taking advantage of the research that shows just how valuable timely feedback is to student progress



Edrolo

SUPPORTED LEARNING

At Highview College we embrace the use of eLearning technologies to support VCE students achieve their best. With this at the forefront of our thinking, we are delighted to confirm that all VCE students will have access to Edrolo for most of their VCE subjects in 2024.

Edrolo is an extensive online resource, designed by expert VCE teachers to help students learn more about every aspect of the VCE study design in a subject. These teachers create online resources to supplement and complement what is being taught in the classroom.

Edrolo courses combine interactive video theory, formative assessment, exam practice, and analytics, making it a powerful tool for VCE students and teachers. All content is produced specifically to meet the demands of the VCE study designs.

Essentially, having access to Edrolo for students is like being able to access a second teaching expert, 24/7, whenever and wherever they have a need. For those students who want to achieve their best in VCE, this is an excellent resource for them to be able to use to further develop understanding of key content areas and ideas, hone analytical skills, and practise important concepts.

All Edrolo content is designed, produced, and filmed with experienced teachers in Australia. All content is painstakingly crafted and centred on the VCE curriculum, covering every single dot-point in the relevant study design. Their video lessons contain interactive questions throughout, providing students with instant feedback, and teachers with live data. Many teachers use Edrolo video lessons as a primer for an engaging in-class lesson.

As a College, we have made every attempt possible to ensure that we can offer an amazing resource like Edrolo without negatively impacting our students and parents financially.

Please note: Edrolo do not have offerings for all VCE subjects. We have taken an Edrolo subscription on every available Year 12 subject and a selected number of Year 11 subjects.

VCE ACADEMIC PATHWAY

An academic VCE course consists of approximately 22-24 units taken over two years, but students may accumulate units over any number of years.

The minimum requirement for the award of an academic Victorian Certificate of Education (VCE) is the satisfactory completion of 16 units that must include:

- Satisfactory completion of at least three units from the English group, including a Unit 3&4 sequence
- Three additional sequences of Units 3&4 studies (other than English), which may include a VET Unit 3&4 sequence

The Victorian Tertiary Admissions Centre (VTAC) advises that for the calculation of student's Australian Tertiary Admission Rank (ATAR), satisfactory completion of both Units 3&4 of an English sequence is also required.

Credit is available for equivalent studies undertaken interstate or overseas.

Adult students returning to study, who have been absent from full time secondary schooling for at least one complete school year may enrol under modified requirements.

When choosing units, students need to plan a full two-year Program, and ensure that all Victorian Curriculum and Assessment Authority requirements are met. We also advise that they check Tertiary Entrance Requirements carefully for any future tertiary courses in which they are interested. In many cases tertiary institutions will have additional requirements for specific courses. Further information may be obtained from the Head of Senior School, the Careers Advisor, the Director of Administration or the Director of Professional Practice. The VTAC website should also be visited.

VCE VOCATIONAL MAJOR PATHWAY

This is a Year 11&12 **Vocational** and **Applied Learning Program** that is suitable for students wishing to pursue a 'non-university' career pathway. It cannot be entered in the second year and is designed as a two-year Program with essential modules being delivered in both years.

The Vocational Major is a VCE accredited Program that enables successful transitions into apprenticeships, traineeships, further education and training, or directly into employment. A full VCE Certificate qualification is still achieved, but via a non-ATAR pathway. As such, students completing the VCE Vocational Major do not sit external VCE exams and do not receive an ATAR that provides immediate entry into University.

Refer to section at the end of this Handbook.

SELECTING YOUR VCE COURSE

Course descriptions are provided in this Handbook for the units which are offered at Highview College. Some subjects will have extra levies which will be included in the booklist. Further details are available from subject teachers if required. More in-depth information on subject content can also be obtained by viewing the Study Designs at <https://www.vcaa.vic.edu.au/curriculum/vce/vce-study-designs/Pages/vce-study-designs.aspx>

While we would like to run all courses, the reality is that a class needs to have a minimum number of students when blocked against other VCE subjects, in order to be viable. The actual subjects which run, will be determined by student preferences.

- Depending on whether you undertake a VCE Academic or Vocational Major Pathway there will be subjects that are compulsory for satisfactory completion
- In selecting a course of study, students are expected to choose units which will lead to the award of the VCE
- Each VCE unit is numbered 1, 2, 3 or 4. While you may choose to do only Unit 1 or only Unit 2 of many subjects, Units 3 and 4 must be undertaken as a sequence
- Student programs may include some Units 3&4 in the first year of VCE

- In choosing units you should check carefully for any special entry requirements. Some studies require Units 1&2 to be undertaken prior to Units 3&4
- Assessment details provided relate to Units 3&4. For Units 1&2 internal school-based assessments take place during each semester
- You should carefully consider which subjects are most important for you as you work towards the completion of your VCE, and include all subjects you have selected in order of preference
- Several reserve choices or alternative subjects need to be listed in case some of your selected subjects become unavailable or have a blocking clash with a higher preference
- If you wish to take a subject that has been included in this Handbook but has insufficient demand to enable a class to run, you should discuss your needs and possible options with the Director of Administration, Stuart Mandersloot. In some cases, it may be possible to complete the subject through Distance Education
- As an alternative to a VCE 3&4 Unit, some Universities offer an Extension Study program to VCE students who are very strong academically. This program is equivalent in content and assessment to a first year university study. Participation in this program may be possible for a student who meets the guidelines. If you are considering this option, you should see The Director of Professional Practice, Wendy Hare
- Any students wishing to pursue VET courses and/or School-based Apprenticeships should discuss their needs with the Careers Advisor. It should be noted that VET Courses and School Based Apprenticeship can be completed along with an academic VCE Program or the Vocational Major Pathway.

END OF YEAR EXAMINATIONS

In the September break, students undertaking Year 12 will complete trial exams and/or be expected to attend examination preparation workshops for some or all of their subjects. This is important preparation which will provide students with valuable feedback to ensure the best use of preparation time while they study for the final VCAA examinations.

YEAR 12 INDEPENDENT STUDY

Students in Year 12 generally study five Units each semester, allowing for four lessons of Independent Study each week. Independent study provides Senior students with time to manage the demands of their courses and to develop the skills to prioritise their workload, as they will need to in further or tertiary study. These sessions are silent, independent study sessions held in the library with a supervising teacher. Of course, it is possible for a Year 12 student to forfeit this line of study in order to undertake a sixth subject in Year 12. This decision should be considered carefully and discussed in advance with staff.

Independent Study is not normally included in a Year 11 VCE Program, where students will generally study six units each semester. For a student who requires special consideration, VCE may be taken over three or more years, which allows for a reduced workload each year.

VCE ENGLISH (COMPULSORY UNLESS UNDERTAKING VOCATIONAL MAJOR)

VCE English focuses on how English language is used to create meaning in print, digital and audio texts of varying complexity. Through engagement with texts drawn from a range of times, cultures, forms and genres, and including Aboriginal and Torres Strait Islander knowledge and voices, students develop insight into a varied range of ideas. They extend their skills in responding to the texts they read and view, and their abilities in creating original texts, further expanding their language to reflect accurately the purpose, audience and context of their responses. By developing broad skills in communication and reflection, the study of English enables students to participate in their diverse, dynamic and multicultural world productively and positively.

Unit 1

In this Unit, students engage imaginatively and critically in reading and viewing texts, with a focus on personal connections with the story. They explore the vocabulary, text structures, language features and ideas in a text. Students engage with and develop an understanding of effective and cohesive writing through crafting of their own texts designed for a specific context and audience to achieve a stated purpose. They describe individual decisions made about the vocabulary, text structures, language features and conventions used during the writing process.

Areas of Study are: Reading and exploring texts, Crafting texts

Unit 2

In this Unit, students develop their reading and viewing skills, including deepening their capacity for inferential reading and viewing, to further open possible meanings in a text, and to extend their writing in response to text. They explore and analyse how the vocabulary, text structures, language features and ideas in a text construct meaning. Students consider the way arguments are developed and delivered in many forms of media. They explore and analyse persuasive texts within the context of a contemporary issue, including the ways argument and language can be used to position an audience; and to construct their own point of view text for oral presentation.

Areas of Study are: Reading and exploring texts, Exploring argument

Unit 3

In this Unit, students apply reading and viewing strategies to critically engage with a text. They analyse ideas, concerns and values presented in a text, informed by the vocabulary, text structures and language features and how they make meaning. Students continue to read and engage imaginatively and critically with mentor texts, and effective and cohesive writing within identified contexts. They produce their own texts, designed to response to a specific context and audience to achieve a stated purpose; and to explain their decisions made through writing processes.

Areas of Study are: Reading and responding to texts, Creating texts

Unit 4

In this Unit, students further sharpen their skills of reading and viewing texts and consolidate their capacity to critically analyse texts and deepen their understanding of the ideas and values a text can convey. Students analyse explicit and implicit ideas, concerns and values presented in a text, informed by vocabulary, text structures and language features and how they make meaning. Students also analyse the use of argument and language, and visuals in persuasive texts, that debate a contemporary and significant national or international issue. This includes one written text (print or digital) and one text in another mode (audio and/or audio visual); and develop and present a point of view text.

Areas of Study are: Reading and responding to texts, Analysing argument

Assessment

Assessment in Units 1&2 is determined by Highview College. In Units 3&4 achievement is determined by school-assessed coursework and an end-of-year examination.

Unit 3 School-assessed Coursework	25%
Unit 4 School-assessed Coursework	25%
Unit 3&4 End-of-year Examination	50%



VCE ART MAKING & EXHIBITING

VCE Art Making and Exhibiting introduces students to the methods used to make artworks and how artworks are presented and exhibited. Students use inquiry learning to explore, develop and refine the use of materials, techniques and processes and to develop their knowledge and understanding of the ways artworks are made. They learn how art elements and art principles are used to create aesthetic qualities in artworks and how ideas are communicated through the use of visual language. Their knowledge and skills evolve through the experience of making and presenting their own artworks and through the viewing and analysis of artworks by other artists. Visiting and viewing exhibitions and displays of artwork is a necessary part of this study. It helps students understand how artworks are displayed and exhibitions are curated. It also has an influence on the students' own practice, and encourages them to broaden and develop their own ideas and thinking around their own art making.

Unit 1: Explore, Expand and Investigate

In this unit students explore materials, techniques and processes in a range of art forms. They expand their knowledge and understanding of the characteristics, properties and application of materials used in art making. The students' exploration and experimentation with materials and techniques stimulates ideas, inspires different ways of working and enables a broad understanding of the specific art forms. Their exploration and experimentation is documented in both visual and written form in a Visual Arts journal.

Unit 2: Understand, Develop and Resolve

In Unit 2 students continue to research how artworks are made by investigating how artists use aesthetic qualities to represent ideas in artworks. They broaden their investigation to understand how artworks are displayed to audiences, and how ideas are represented to communicate meaning. Students respond to a set theme and progressively develop their own ideas. Students learn how to develop their ideas using materials, techniques and processes, and art elements and art principles. They consolidate these ideas to plan and make finished artworks, reflecting on their knowledge and understanding of the aesthetic qualities of artworks. The planning and development of at least one finished artwork are documented in their Visual Arts journal.

Unit 3: Collect, Extend and Connect

In this unit students are actively engaged in art making using materials, techniques and processes. They explore contexts, subject matter and ideas to develop artworks in imaginative and creative ways. They also investigate how artists use visual language to represent ideas and meaning in artworks. The materials, techniques and processes of the art form the students work with are fundamental to the artworks they make. Students use their Visual Arts journal to record their art making. They also document their exploration of and experimentation with materials, techniques and processes. From the ideas documented in their Visual Arts journal, students plan and develop artworks.

Unit 4: Consolidate, Present and Conserve

In Unit 4 students make connections to the artworks they have made in Unit 3, consolidating and extending their ideas and art making to further refine and resolve artworks in specific art forms. The progressive resolution of these artworks is documented in the student's Visual Arts journal, demonstrating their developing technical skills in a specific art form as well as their refinement and resolution of subject matter, ideas, visual language, aesthetic qualities and style. Students also reflect on their selected finished artworks and evaluate the materials, techniques and processes used to make them.

Assessment

Assessment at Units 1&2 is determined by Highview College. In Units 3&4 student achievement is determined by school-assessed coursework, school-assessed task and an examination.

Percentage contributions to the study score in Art Making & Exhibiting are as follows:

Units 3&4 School-assessed Coursework	10%
Units 3&4 School-assessed Task	60%
Units 3&4 End-of-year Examination	30%



VCE BIOLOGY

The study of Biology explores the diversity of life as it has evolved and changed over time, and considers how living organisms function and interact. Students study contemporary research, models and theories to understand how knowledge in biology has developed and how this knowledge continues to change in response to new evidence and discoveries.

Unit 1: How Do Organisms Regulate Their Functions?

This unit examines the cell as the structural and functional unit of the whole organism including cellular processes. Students focus on cell division and the role of stem cells. They explore how systems function through cell specialisation and consider the role of homeostatic mechanisms.

Areas of Study are:

- How do cells function?
- How do plant and animal systems function?
- How do scientific investigations develop understanding of how organisms regulate their functions?

Unit 2: How Does Inheritance Impact Diversity?

In this unit students focus on cell reproduction and the transmission of biological information. Students use classical genetics to explain the inheritance of traits. Students analyse reproductive strategies, including the use of cloning technologies. They study adaptations that enhance an organism's survival. Areas of Study are:

- How is inheritance explained?
- How do inherited adaptations impact on diversity?
- How do humans use science to explore and communicate contemporary bioethical issues?

Unit 3: How do Cells Maintain Life?

In this unit students investigate the relationship between nucleic acids and proteins in cellular processes. They examine the biological consequences of manipulating the DNA molecule and applying biotechnologies. Areas of Study are:

- What is the role of nucleic acids and proteins in maintaining life?
- How are biochemical pathways regulated?

Unit 4: How Does Life Change & Respond to Challenges?

In this unit students study the human immune system and the interactions between its components to provide immunity to a specific pathogen. Students consider how evolutionary biology is based on the accumulation of evidence over time. Areas of Study are:

- How do organisms respond to pathogens?
- How are species related over time?
- How is scientific inquiry used to investigate cellular processes and/or biological change?

Entry

It is strongly recommended that Biology Units 1&2 be completed before embarking on Units 3&4. If students wish to enter the study at Unit 3, they will need to undertake preparatory work.

Assessment

Assessment in Units 1&2 is determined by Highview College. In Units 3&4 achievement is determined by school-assessed coursework and an end-of-year examination.

Unit 3 School-assessed Coursework	20%
Unit 4 School-assessed Coursework	30%
Unit 3&4 End-of-year Examination	50%



VCE BUSINESS MANAGEMENT

VCE 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.

Unit 1: Planning a Business

Businesses of all sizes are major contributors to the economic and social wellbeing of a nation. Therefore, how businesses are formed and the fostering of conditions under which new business ideas can emerge are vital for a nation's wellbeing. Taking a business idea and planning how to make it a reality are the cornerstones of economic and social development. In this unit students explore the factors affecting business ideas and the internal and external environments within which businesses operate, and the effect of these on planning a business.

Areas of Study - The Business Idea, External Environments, Internal Environments

Unit 2: Establishing a Business

This unit focuses on the establishment phase of a business's life. Establishing a business involves complying with legal requirements as well as making decisions about how best to establish a system of financial record keeping, staff the business and establish a customer base. In this unit students examine the legal requirements that must be satisfied to establish a business. They investigate the essential features of effective marketing and consider the best way to meet the needs of the business in terms of staffing and financial record keeping. Students analyse various management practices in this area by applying this knowledge to contemporary business case studies from the past four years.

Areas of Study – Legal Requirements & Financial Considerations, Marketing a Business, Staffing a Business

Unit 3: Managing a Business

In this unit students explore the key processes and issues concerned with managing a business efficiently and effectively to achieve the business objectives. Students examine the different types of businesses and their respective objectives. They consider corporate culture, management styles, management skills and the relationship between each of these. Students investigate strategies to manage both staff and business operations to meet objectives.

Areas of Study - Business Foundations, Human Resource Management, Operations Management

Unit 4: Transforming a Business

Businesses are under constant pressure to adapt and change to meet their objectives. In this unit students consider the importance of reviewing key performance indicators to determine current performance and the strategic management necessary to position a business for the future. Students study a theoretical model to undertake change, and consider a variety of strategies to manage change in the most efficient and effective way to improve business performance. They investigate the importance of leadership in change management. Using a contemporary business case study from the past four years, students evaluate business practice against theory.

Area of Study - Reviewing Performance – The Need for Change, Implementing Change

Assessment

Assessment in Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an end-of-year examination.

Unit 3 School-assessed Coursework	25%
Unit 4 School-assessed Coursework	25%
Unit 3&4 End-of-year Examination	50%



VCE CHEMISTRY

Chemistry involves investigating and analysing the composition and behaviour of matter, and the chemical processes involved in producing useful materials for society in ways that minimise adverse effects on human health and the environment. Chemistry underpins the generation of energy for use in homes and industry, the maintenance of clean air and water, the production of food, medicines and new materials, and the treatment of wastes. Students will conduct a scientific investigation for each unit. This investigation will be based on the content covered in the unit.

Unit 1: How can the Diversity of Materials be Explained?

In this unit students investigate the chemical structures and properties of a range of materials, including covalent compounds, metals, ionic compounds and polymers. They are introduced to ways that chemical quantities are measured. They consider how manufacturing innovations lead to more sustainable products being produced for society through the use of renewable raw materials and a transition from a linear economy towards a circular economy. Areas of study are:

- How do the chemical structures of materials explain their properties and reactions?
- How are materials quantified and classified?
- Investigation - How can chemical principles be applied to create a more sustainable future?

Unit 2: How do Chemical Reactions Shape the Natural World?

Society is dependent on the work of chemists to analyse the materials and products in everyday use. In this unit students analyse and compare different substances dissolved in water and the gases that may be produced in chemical reactions. They explore applications of acid-base and redox reactions in society. Areas of study are:

- How do chemicals interact with water?
- How are chemicals measured and analysed?
- Investigation - How do quantitative scientific investigations develop our understanding of chemical reactions?

Unit 3: How can Design and Innovation help to Optimise Chemical Processes?

In this unit students investigate the chemical production of energy and materials. Students explore how innovation, design and sustainability principles and concepts can be applied to produce energy and materials while minimising possible harmful effects of productions on human health and the environment. Areas of study are:

- What are the current and future options for supplying energy?
- How can the rate and yield of chemical reactions be optimised?

Unit 4: How are Carbon-based Compounds Designed for Purpose?

In this unit students investigate the structures and reactions of carbon-based organic compounds, including considering how green chemistry principles are applied in the production of synthetic organic compounds. Students study the metabolism of food and action of medicines in the body. They explore how laboratory analysis and various instrumentation techniques can be applied to analyse organic compounds in order to identify them and to ensure product purity. Areas of study are:

- How are organic compounds categorised and synthesised?
- How are organic compounds analysed and used?
- How is scientific inquiry used to investigate the sustainable production of energy and/or materials?

Entry

It is strongly recommended that Chemistry Units 1&2 be completed before embarking on Units 3&4. If students wish to enter the course at Units 2 or 3, they will need to undertake preparatory work.

Assessment

Assessment at Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an end-of-year examination.

Unit 3 School-assessed Coursework	20%
Unit 4 School-assessed Coursework	30%
Units 3&4 End-of-year Examination	50%

VCE FOOD STUDIES

VCE Food Studies explores past and present patterns of eating, Australian and global food production systems, and the many physical and social functions and roles of food. Students research sustainability and the legal, economic, psychological, sociocultural, health, ethical and political dimensions of food, and critically evaluate information, marketing messages and new trends. Practical activities include comparative food testing, cooking, creating and responding to design briefs, demonstrations, dietary analysis, nutritional analysis, product analysis, scientific experiments and sensory analysis.

Unit 1: Food Origins

In this unit students focus on food from historical and cultural perspectives, and investigate the origins and roles of food through time and across the world.

Areas of study include:

- Food around the world
- Food in Australia

Unit 2: Food Makers

In this unit students investigate food systems in contemporary Australia. Students gain insight into the significance of food industries to the Australian economy and investigate the capacity of industry to provide safe, high-quality food that meets the needs of consumers.

Areas of study include:

- Australia's food systems
- Food in the home

Unit 3: Food in Daily Life

In this unit students investigate the many roles and everyday influences of food.

Areas of study include:

- The science of food
- Food choices, health and wellbeing

Unit 4: Food Issues, Challenges and Futures

In this unit students examine debates about Australia's food systems as part of the global food systems and describe key issues relating to the challenge of adequately feeding a rising world population. Practical activities provide students with opportunities to apply their responses to environmental and ethical food issues, reflect on healthy eating recommendations of the Australian Dietary Guidelines and the Australian Guide to Healthy Eating, and consider how food selections and food choices can optimise human and planetary health.

Areas of Study are:

- Navigating food information
- Environment and ethics

Assessment

Assessment at Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an end-of-year examination.

Unit 3 School-assessed Coursework	30%
Unit 4 School-assessed Coursework	30%
Unit 4 End-of-year Examination	40%



VCE GEOGRAPHY

The study of Geography allows students to explore, analyse and come to understand the characteristics of places that make up our world. Geographers are interested in key questions concerning places and geographic phenomena. Students explore these questions through fieldwork, the use of geospatial technologies and investigation of a wide range of secondary sources.

Unit 1: Hazards & Disasters

Students examine the processes involved with hazards and hazard events, considering their causes and impacts, human responses to hazard events and the interconnections between human activities and natural phenomena, including the impact of climate change.

Unit 2: Tourism: Issues & Challenges

In this unit students investigate the characteristics of tourism: where it has developed, its various forms, how it has changed and continues to change and its impact on people, places and environments, issues and challenges of ethical tourism. Students select contrasting examples of tourism from within Australia and elsewhere in the world to support their investigations.

Unit 3: Changing the Land

This unit focuses on two investigations of geographical change: change to land cover and change to land use. Students investigate two major processes that are changing land cover in many regions of the world: melting glaciers and ice sheets, and deforestation. They investigate the distribution and causes of the two processes. They select one location for each of the processes to develop a greater understanding of the changes to land cover produced by these processes, the impacts of these changes and responses to these changes at different scales.

Unit 4: Human Population: Trends & Issues

Students investigate the geography of human populations. They explore the patterns of population change, movement and distribution, and how governments, organisations and individuals have responded to those changes in different parts of the world. Students investigate the interconnections between the reasons for population change. They evaluate strategies developed in response to population issues and challenges, in both a growing population trend of one country and an ageing population trend of another country, in different parts of the world.

Fieldwork

Units 1,2 and 3 involve compulsory field trips.

Assessment

Assessment in Units 1&2 is determined by the provider.

In Units 3&4 student achievement is determined by school-assessed coursework and an examination.

Unit 3 School-assessed Coursework	25%
Unit 4 School-assessed Coursework	25%
Unit 3&4 End-of-year Examination	50%



VCE HISTORY

History is a dynamic discipline that involves structured inquiry into the human actions, forces and conditions (social, political, economic, cultural, environmental and technological) that have shaped the past and present. Although history deals with the particular – specific individuals and key events – the potential scope of historical inquiry is vast and formed by the questions that historians pursue, the availability of historical sources, and the capacity of historians to interpret those sources. VCE History reflects this by enabling students to explore a variety of eras and periods, events, people, places and ideas.

Units 1&2: Modern History

Unit 1: Change and Conflict

In this unit students investigate the nature of social, political, economic and cultural change in the later part of the 19th century and the first half of the 20th century. Modern History provides students with an opportunity to explore the significant events, ideas, individuals and movements that shaped the social, political, economic and technological conditions and developments that have defined the modern world.

Unit 2: The Changing World Order

In this unit students investigate the nature and impact of the Cold War and challenges and changes to social, political and economic structures and systems of power in the second half of the twentieth century and the first decade of the twenty-first century.

Units 3&4: Revolutions

In Units 3 and 4 Revolutions students investigate the significant historical causes and consequences of political revolution. Revolutions represent great ruptures in time and are a major turning point in the collapse and destruction of an existing political order which results in extensive change to society. Revolutions are caused by the interplay of events, ideas, individuals and popular movements, and the interplay between the political, social, cultural, economic and environmental conditions. Their consequences have a profound effect on the political and social structures of the post-revolutionary society. Revolution is a dramatically accelerated process whereby the new regime attempts to create political, social, cultural and economic change and transformation based on the regime's ideology.

At Highview College, students study the following Revolutions:

- The Russian Revolution (26 October, 1917)
- The Chinese Revolution (1 October, 1949)

Units 3&4 Area of Study 1: Causes of Revolution

In this area of study students focus on the long-term causes and short-term triggers of revolution. They evaluate how revolutionary outbreaks were caused by the interplay of significant events, ideologies, individuals and popular movements, and how these were directly or indirectly influenced by the political, social, economic, cultural and environmental conditions of the time. Students analyse significant events and evaluate how particular conditions profoundly influenced and contributed to the outbreak of revolution.

Units 3&4 Area of Study 2: Consequences of Revolution

In this area of study students focus on the consequences of the revolution and evaluate the extent to which the consequences of the revolution maintained continuity and/or brought about change to society. The success of the revolution was not guaranteed or inevitable. Students analyse the significant challenges that confronted the new regime after the initial outbreak of revolution. They evaluate the success and outcomes of the new regime's responses to these challenges, and the extent to which the revolution resulted in dramatic and wide-reaching political, social, cultural and economic change, progress or decline.

Assessment

Assessment in Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an examination.

Unit 3 School-assessed Coursework	25%
Unit 4 School-assessed Coursework	25%
Unit 3&4 End-of-year Examination	50%



VCE LEGAL STUDIES

VCE Legal Studies examines the institutions and principles that are essential to the Australian legal system. Students develop an understanding of the rule of law, law-makers, legal institutions, the relationship between the people and the Australian Constitution, the protection of rights in Australia, and the Victorian justice system. The subject enables students to become active and informed citizens by fostering critical thinking, legal reasoning and decision-making skills.

Unit 1: The Presumption of Innocence

This unit develops students' understanding of legal foundations, such as the different types and sources of law, the characteristics of an effective law, and an overview of parliament and the courts. Students are introduced to and apply the principles of justice. They investigate key concepts of criminal law and apply these to actual and/or hypothetical scenarios to determine whether an accused may be found guilty of a crime.

Areas of study are:

- Legal Foundations
- Proving Guilt
- Sanctions

Unit 2: Wrongs and Rights

This unit focuses on different areas of civil law, and the methods and institutions that may be used to resolve a civil dispute and provide remedies. Students develop their understanding of the way human rights are protected in Australia and explore possible reforms to the protection of rights.

Areas of study are:

- Civil Liability
- Remedies
- Human Rights

Unit 3: Rights & Justice

In this unit students examine the methods and institutions in the justice system involved in determining criminal cases and resolving civil disputes. Students explore the Victorian court hierarchy and other legal institutions. They will study the rights available to an accused and victims and the role of the various personnel in the legal system. Students investigate the extent to which the principles of justice are upheld in the justice system and discuss recent and recommended reforms as means to enhance the ability of the legal system to achieve justice.

Areas of study are:

- The Victorian criminal justice system
- The Victorian civil justice system

Unit 4: The People, The Law and Reform

This unit studies Australia's laws and legal system including an understanding of institutions that make and reform our laws. Students explore the role of the Constitution in establishing law-making powers of the Commonwealth and state parliaments and the protections it affords to the Australian people. Students develop an understanding of the significance of the High Court in protecting and interpreting the Australian Constitution. They also investigate the role of individuals, the media and law reform bodies in influencing law reform.

Areas of study are:

- The people and the law-makers
- The people and reform

Assessment

Assessment in Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an examination.

Unit 3 School-assessed Coursework	25%
Unit 4 School-assessed Coursework	25%
Units 3&4 End-of-year Examination	50%

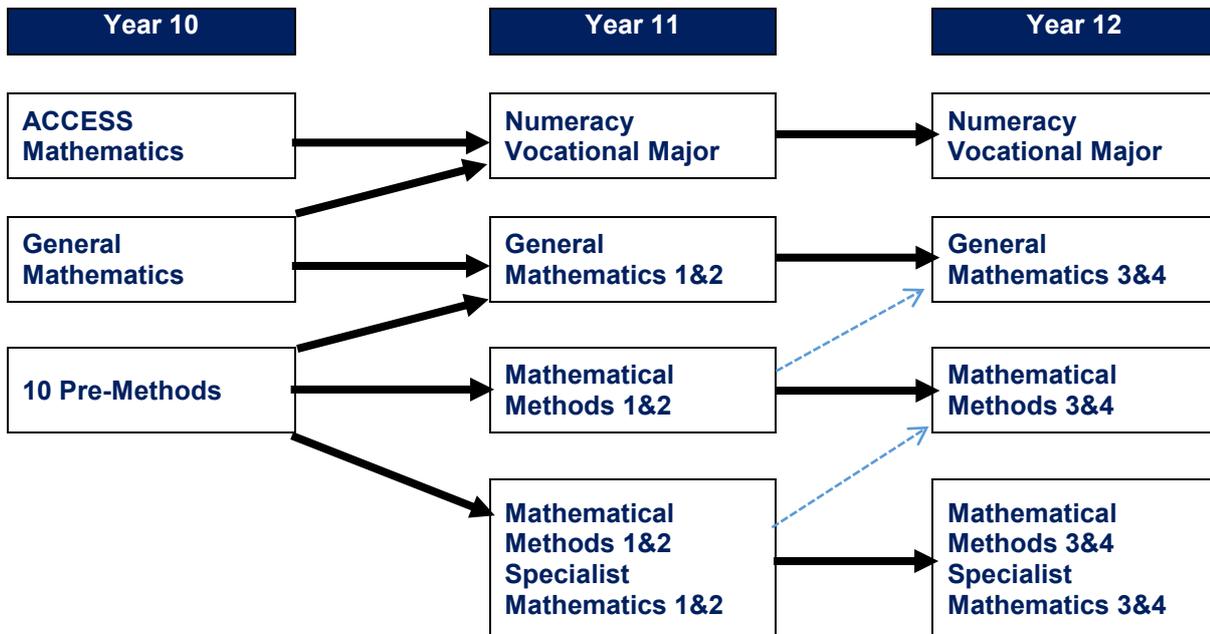


VCE MATHEMATICS PATHWAYS

There is a range of Mathematics studies available at Highview College to cater for the needs of individual students. Mathematics is not compulsory at VCE level. Mathematics pathways at Highview are indicated below.

Prerequisites for Mathematical Methods

Students must achieve a 60% average in assessments in Year 10 Mathematics (Pre-Methods) in order to enrol in Mathematical Methods Units 1&2. This standard also must be maintained in order to enrol in Mathematical Methods Units 3&4 in Year 12.



Before selecting your Mathematics course it is **strongly** recommended that you:

- Check the Mathematics prerequisites for any tertiary courses you may wish to undertake after VCE, and
- Discuss your planned choice with your Mathematics teacher

VCE GENERAL MATHEMATICS 1&2

General Mathematics is designed for students who will probably not continue studying Mathematics at a tertiary level, but who will find Mathematics a useful or supportive tool in future studies, employment or an apprenticeship. It is designed as a preparation for General Mathematics Units 3&4.

In each unit material will cover the following topics:

- Arithmetic and Number (Computation and Practical Arithmetic, Financial Arithmetic)
- Discrete Mathematics (Matrices, Graphs and Networks, Number Patterns and Recursion)
- Linear Graphs and Models
- Statistics (Investigating and Comparing Data Distributions, Investigating Relationships Between Two Numerical Variables)

Assessment

Assessment in Units 1&2 is determined by Highview College.

VCE GENERAL MATHEMATICS 3&4

Further Mathematics consists of areas of study:

- Data Analysis
- Recursion and Financial Modelling
- Networks and Decision Mathematics
- Matrices

Assessment

In Units 3&4 student achievement is determined by school-assessed coursework and an examination.

Unit 3 School-assessed Coursework	24%
Unit 4 School-assessed Coursework	16%
End of year Examination 1	30%
End of year Examination 2	30%

VCE MATHEMATICAL METHODS 1&2

This course is designed as a preparation for Mathematical Methods Units 3&4. Students are expected to cover prescribed material in each of four areas of study. These are:

- Functions & Graphs
- Algebra
- Calculus
- Probability & Statistics

Prerequisites

Students attempting Mathematical Methods are expected to have a sound background in number, algebra, linear equations, parabolas and quadratics, and their applications, and probability. We also strongly advise that students complete Year 10 Mathematics (Pre-Methods) before selecting this pathway.

Assessment

Assessment in Units 1&2 is determined by Highview College.

VCE MATHEMATICAL METHODS 3&4

Mathematical Methods is a prerequisite for many tertiary courses including science, economics, and medicine. These units develop and extend material covered in Mathematical Methods 1&2.

Areas of study are:

- Functions and Graphs
- Algebra
- Calculus
- Probability & Statistics

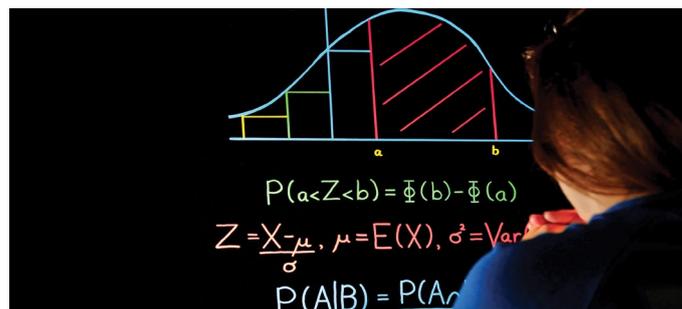
Prerequisites

Students are required to complete Mathematical Methods 1&2 before undertaking this course.

Assessment

In Units 3&4 student achievement is determined by school-assessed coursework and an end-of-year examination.

Unit 3 School-assessed Coursework	20%
Unit 4 School-assessed Coursework	20%
End of year Examination 1	20%
End of year Examination 2	40%



VCE MEDIA

Developments in digital technologies have transformed media at a rapid pace. Media has become deeply embedded within our lives and culture, consumed on a personal, local, national and global level, generating enormous growth in the media economy. VCE Media provides students with the opportunities to develop and refine their planning and analytical skills, critical and creative thinking and expression, and to strengthen their communication skills and technical knowledge. In this study, students gain essential skills for modern society, and lead to pathways for further study at a tertiary or vocational level; including screen and media, marketing, games and interactive media, journalism, communication and writing, graphic and communication design, photography and animation.

Unit 1: Media Forms, Representations & Australian Stories

In this unit students develop an understanding of audiences and the core concepts underpinning the construction of representations in media production. Students work in a range of media forms and develop their own productions that include film, photography, print and interactive media presentations. Students develop an understanding of the features of Australian fictional and non-fictional narratives and examine the influence of media professionals on production genre and style.

Unit 2: Narrative Across Media Forms

In this unit students further develop an understanding of the concept of narrative in media products and forms. Media industries such as journalism and filmmaking are built upon the creation and distribution of narratives constructed using media codes and conventions. Traditional and newer media forms include film, television, sound, news, print, photography, games, and interactive digital forms. Students analyse the influence of developments in media technologies on individuals and society, and undertake production activities to design and create narratives that demonstrate an awareness of the media codes and conventions in various media forms.

Unit 3: Media Narratives, Contexts & Pre-production

In this unit students use the pre-production stage of the media production process to design the production of a media product for a specified audience. They investigate a media form that aligns with their interests, developing an understanding of the media codes and conventions appropriate to audience engagement, consumption and reception within the selected media form. They explore and experiment with media technologies to develop skills in their selected media form. Students develop written and visual documentation to support the production of a media product in Unit 4.

Unit 4: Media Production; Agency and Control in and of the Media

In this unit students focus on the production and post-production stages of the media production process, bringing the media production design created in Unit 3 to its realisation. Students focus on the opportunities and challenges afforded by current developments in the media industry. They explore media to be used by governments, institutions and audiences, and analyse the role of the Australian government in regulating the media.

Assessment

Assessment in Units 1&2 is determined by Highview College. In Units 3&4 student achievement is determined by school-assessed coursework, school-assessed task and an end-of-year examination.

Units 3&4 School-assessed Coursework	20%
Units 3&4 School-assessed Task:	40%
Units 3&4 End-of-year Examination	40%



VCE OUTDOOR & ENVIRONMENTAL STUDIES

VCE Outdoor & Environmental Studies develops students' understandings of outdoor environments, and the ways in which humans interact with, relate to and have impacted outdoor environments over time. 'Outdoor environments' encompasses landscapes, both local and further afield, that range in health from protected wilderness to those heavily impacted by human practices.

Unit 1: Connections with Outdoor Environments

This unit examines some of the ways in which Indigenous peoples and non-Indigenous peoples understand and relate to nature through experiencing outdoor environments. The focus is on individuals and their personal responses to experiencing outdoor environments.

Areas of study are:

- Our place in outdoor environments
- Exploring outdoor environments
- Safe and sustainable participation in outdoor experiences

Unit 2: Discovering Outdoor Environments

This unit focuses on the different ways to understand outdoor environments and the impact of humans on outdoor environments.

Areas of study are:

- Understanding outdoor environments
- Observing impacts on outdoor environments
- Independent participation in outdoor environments

Unit 3: Relationships with Outdoor Environments

The focus of this unit is the ecological, historical and social contexts of relationships between humans and outdoor environments in Australia. Case studies of a range of impacts on outdoor environments are examined in the context of the changing nature of human relationships with outdoor environments in Australia over 60,000 years.

Areas of study are:

- Changing human relationships with outdoor environments
- Relationships with Australian environments in the past decade

Unit 4: Sustainable Outdoor Environments

In this unit students explore the sustainable use and management of outdoor environments. They observe and assess the health of outdoor environments and consider the importance of this health for the future of Australian outdoor environments and the Australian population.

Areas of study are:

- The importance of healthy outdoor environments
- The future of outdoor environments
- Investigating outdoor environments

Assessment

Assessment in Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an examination.

Unit 3 School-assessed Coursework	20%
Unit 4 School-assessed Coursework	30%
Units 3&4 End-of-year Examination	50%



VCE PHYSICAL EDUCATION

Physical Education examines the biological, physiological, psychological, social and cultural influences on performance and participation in physical activity. The study enables the integration of theoretical knowledge and practical application through participation in physical activities.

Unit 1: The Human Body in Motion

In this unit students explore how the musculoskeletal and cardiorespiratory systems work together to produce movement. Students evaluate the social, cultural and environmental influences on movement. They consider the implications of the use of legal and illegal practices to improve the performance of the musculoskeletal and cardiorespiratory systems, evaluating perceived benefits and describing potential harms. Areas of study are:

- How does the musculoskeletal system work to produce movement?
- How does the cardiorespiratory system function at rest and during physical activity?

Unit 2: Physical Activity, Sport & Society

This unit develops students' understanding of physical activity, sport and society from a participatory perspective. Students are introduced to types of physical activity and the role participation in physical activity and sedentary behaviour plays in their own health and wellbeing as well as in other people's lives in different population groups. Areas of study are:

- What are the relationships between physical activity, sport, health and society?
- What are the contemporary issues associated with physical activity and sport?

Unit 3: Movement Skills & Energy for Physical Activity

This unit introduces students to the biomechanical and skill acquisition principles used to analyse human movement skills and energy production from a physiological perspective. Students use a variety of tools and techniques to analyse movement skills and apply biomechanical and skill acquisition principles to improve and refine movement in physical activity, sport and exercise. Areas of study are:

- How are movement skills improved?
- How does the body produce energy?

Unit 4: Training to Improve Performance

In this unit students analyse movement skills from a physiological, psychological and sociocultural perspective, and apply relevant training principles and methods to improve performance within physical activity at an individual, club and elite level. Improvements in performance, in particular fitness, depend on the ability of the individual and/or coach to gain, apply and evaluate knowledge and understanding of training. Students consider the physiological, psychological and sociological requirements of training to design and evaluate an effective training program. Areas of study are:

- What are the foundations of an effective training program?
- How is training implemented effectively to improve performance?

Assessment

Assessment in Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an examination.

Unit 3 School-assessed Coursework	25%
Unit 4 School-assessed Coursework	25%
Units 3&4 End-of-year Examination	50%



VCE PHYSICS

Students considering Engineering as a possible career path are strongly recommended to select VCE Physics. It is also an alternative to Biology or Chemistry as a path into Science courses. Physics is the study of how the universe works, including light, atomic physics, radiation, thermal physics, electricity, fields, mechanics, quantum physics and the nature of energy and matter. People who choose to study physics do so because they are fascinated by the world around them. They want to discover more about the how and the why of what goes on.

Unit 1:

How is energy useful to society?

- How are light and heat explained?
- How is energy from the nucleus utilised?
- How can electricity be used to transfer energy?

Unit 2

How does physics help us to understand the world?

- How is motion understood?
- One topic from 18 options, each based on a different observation of the physical world
- How do physicists investigate questions?

Unit 3

How do fields explain motion and electricity?

- How do physicists explain motion in two dimensions?
- How do things move without contact?
- How are fields used in electricity generation?

Unit 4

How have creative ideas and investigation revolutionised thinking in physics?

- How has understanding about the physical world changed?
- How is scientific inquiry used to investigate fields, motion or light?

Prerequisites

Students are advised to take Unit 2 before Unit 3. Students who enter the study at Unit 3 should be willing to undertake some preparation as specified by the teacher. Physics does have a relatively high mathematical content. Students will need to have mathematical ability before selecting the study of Physics.

Assessment

Assessment at Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an examination.

Unit 3 School-assessed Coursework	30%
Unit 4 School-assessed Coursework	20%
Unit 3&4 End-of-year Examination	50%



VCE PRODUCT DESIGN & TECHNOLOGY

In VCE Product Design and Technologies students are designer-makers who design solutions that are innovative and ethical. The development of designed solutions requires speculative, critical and creative thinking, problem-solving, numeracy, literacy, and technacy. Students participate in problem-based design approaches that trial, test, evaluate, critique and iterate product solutions. Students prototype and test using a variety of materials, tools and processes; primarily timbers, metal and plastics. Throughout the process of designing and testing, students learn that innovative and ethical solutions come from constructive failure and intentional evaluation.

Unit 1: Design Practices

In this unit, students analyse and evaluate existing products and current technological innovations in product design. They achieve this through understanding the importance of a design brief, learning about factors that influence design, and using the Double Diamond design approach as a framework. Areas of study are:

- Developing and conceptualising designs
- Generating, designing and producing

Unit 2: Positive Impacts for End Users

In this unit, students specifically examine social and/or physical influences on design. They formulate a profile of an end user(s), research and explore the specific needs or opportunities of the end user(s) and make an inclusive product that has a positive impact on belonging, access, usability and/or equity.

Students also explore cultural influences on design. They develop an awareness of how Aboriginal and Torres Strait Islander peoples design and produce products, how sustainable design practices care for Country, and how traditions and culture are acknowledged in contemporary designs. Areas of study are:

- Opportunities for positive impacts for end users
- Designing for positive impacts for end users
- Cultural influences on design

Unit 3: Ethical Product Design and Development

In this unit students research a real personal, local or global need or opportunity with explicit links to ethical considerations. Students plan to develop an ethical product through a problem-based design approach, starting with a need or opportunity and using a design process and testing to problem-solve. The design brief, product concepts and the final proof of concept are developed through the Double Diamond design approach, using design thinking. Areas of study are:

- Influences on design, development and production of products
- Investigating opportunities for ethical design and production
- Developing a final proof of concept for ethical production

Unit 4: Production and Evaluation of Ethical Designs

In this unit students continue to work as designers throughout the production process. Students collect, analyse, interpret and present data, use ethical research methods and engage with end user(s) to gain feedback and apply their research and findings to the production of their designed solution. Students also focus on how speculative design thinking can encourage research, product development and entrepreneurial activity through the investigation and analysis of examples of current, emerging and future technologies and market trends. Areas of study are:

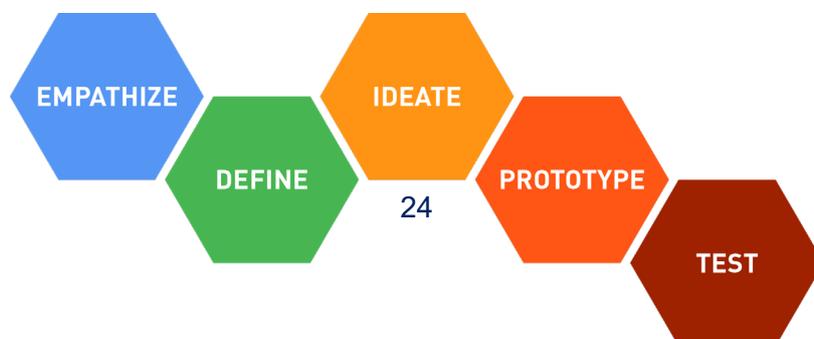
- Managing production for ethical designs
- Evaluation and speculative design

Assessment

Assessment at Units 1&2 is determined by Highview College.

In Units 3&4 student achievement is determined by school-assessed coursework and an end-of-year examination.

Units 3&4 School-assessed Coursework	20%
Units 3&4 School-assessed Task	50%
Units 3&4 End-of-year Examination	30%



VCE PSYCHOLOGY

Psychology is a multifaceted discipline that seeks to describe, explain, understand and predict human behaviour and mental processes. It includes many sub-fields of study that explore and seek to better understand how individuals, groups, communities and societies think, feel and act.

Unit 1: How are Behaviour and Mental Processes Shaped?

In this unit students examine the complex nature of psychological development, including situations where psychological development may not occur as expected. Students examine the contribution that classical and contemporary knowledge from Western and non-Western societies, including Aboriginal and Torres Strait Islander peoples, has made to an understanding of psychological development and to the development of psychological models and theories used to predict and explain the development of thoughts, emotions and behaviours. They investigate the structure and functioning of the human brain and the role it plays in mental processes and behaviour and explore brain plasticity and the influence that brain damage may have on a person's psychological functioning.

Unit 2: How do Internal and External Factors Influence Behaviour and Mental Processes?

In this unit students evaluate the role social cognition plays in a person's attitudes, perception of themselves and relationships with others. Students explore a variety of factors and contexts that can influence the behaviour of individuals and groups, recognising that different cultural groups have different experiences and values. Students are encouraged to consider Aboriginal and Torres Strait Islander people's experiences within Australian society and how these experiences may affect psychological functioning.

Unit 3: How does Experience Affect Behaviour and Mental Processes?

In this unit students investigate the contribution that classical and contemporary research has made to the understanding of the functioning of the nervous system and to the understanding of biological, psychological and social factors that influence learning and memory. Students investigate how the human nervous system enables a person to interact with the world around them. They explore how stress may affect a person's psychological functioning and consider stress as a psychobiological process, including emerging research into the relationship between the gut and the brain in psychological functioning. Students investigate the mechanisms of learning and memory, including Aboriginal and Torres Strait Islander peoples' use of place as a repository of memory.

Unit 4: How is Mental Wellbeing Supported and Maintained?

In this unit students explore the demand for sleep and the influences of sleep on mental wellbeing. They consider the biological mechanisms that regulate sleep and the relationship between rapid eye movement (REM) and non-rapid eye movement (NREM) sleep across the life span. They also study the impact that changes to a person's sleep-wake cycle and sleep hygiene have on a person's psychological functioning and consider the contribution that classical and contemporary research has made to the understanding of sleep. Students consider ways in which mental wellbeing may be defined and conceptualised, including social and emotional wellbeing (SEWB) as a multidimensional and holistic framework to wellbeing. They explore how mental wellbeing can be supported by considering the importance of biopsychosocial protective factors and cultural determinants as integral to the wellbeing of Aboriginal and Torres Strait Islander peoples.

Assessment:

Assessment in Units 1 & 2 is determined by Highview College.

In Units 3 & 4 student achievement is determined by school-assessed coursework and an examination.

- Unit 3 School-assessed Coursework 20%
- Unit 4 School-assessed Coursework 30%
- Units 3&4 End-of-year Examination 50%



VCE/VET SPORT & RECREATION CERTIFICATE III

Students in Year 11 may enrol in this course either as part of an academic program or as part of the Vocational Major which leads to a VET Certificate. This will require the undertaking of a combination of VCE studies and VET units. The VCE and VET units contain Modules or Units of Competence that are required to complete a training qualification. These VCE and VET Units also contribute to VCE requirements for Satisfactory Completion.

For students who are enthusiastic about physical fitness and sport, and who may be considering a career as a sport and recreation officer, fitness instructor, recreation officer or sporting coach, this course will provide a solid background in the industry.

First Year

The Certificate III in Sport & Recreation has an emphasis on sporting skills and industry knowledge. In the first year, you will complete an exciting range of sporting related units and develop a basic level of skills of instructing in a variety of games and sports. You will also develop knowledge of the sporting industry and relevant workplace skills. You will learn about the preparation and equipment required for sporting and recreation sessions, how to conduct these sessions, first aid and how to deal with clients. There will be a wide variety of sports covered which will be tailored to your interests.

Second Year

The second year of the Program brings a focus on fitness training and instruction. You will also develop knowledge of sport and recreation markets and participation patterns, and go on to develop public education programs in a related area.

Qualification & Recognition

Completing the first year of this course provides two units towards VCE at Units 1&2 level. Second year completion offers a study score for the ATAR if you opt to sit for the examination, and two units towards VCE at Units 3 & 4 level. Also, satisfactory completion of this two-year program entitles the student to a Certificate III in Sport & Recreation.

Career & Further Study Opportunities

Further study opportunities include:

- Certificate IV and Diploma of Fitness
- Diploma of Sport & Recreation Administration/Sport Development
- Diploma of Outdoor Recreation



VCE SYSTEMS ENGINEERING

VCE Systems Engineering involves the design, production, operation and evaluation of integrated electro-technological and mechanical systems, which control many aspects of human experience.

Students studying VCE Systems Engineering are taught to identify and quantify systems goals, generate system designs, select and implement the most appropriate design. Students test and verify that the system is well-built and integrated. This study can be applied to a diverse range of engineering fields such as manufacturing, transportation, automation, control technologies, mechanisms and mechatronics, electro-technology, robotics, pneumatics, hydraulics, and energy management. It prepares students for careers in engineering, manufacturing and design through a university or TAFE vocational study pathway, employment, apprenticeships and traineeships.

Unit 1: Mechanical Systems

This unit focuses on engineering fundamentals as the basis of understanding concepts, principles and components that operate in mechanical systems. Students create an operational system using the systems engineering process. Areas of Study are:

- Mechanical system design
- Producing and evaluating mechanical systems

Unit 2: Electro-Technological Systems

In this unit students study fundamental electro-technological engineering principles including electrical/electronic concepts, circuits and components. Through the application of the systems engineering process, students create an operational electro-technological system. Areas of Study are:

- Electro-technology system designs
- Producing and evaluating electro-technological systems

Unit 3: Integrated & Controlled Systems

This area of study focuses on engineering knowledge associated with the integration, calibration and control of mechanical and electro-technological systems. Students design and commence construction of an integrated electromechanical system with a control element. Areas of Study are:

- Integrated and controlled system design
- Clean energy technologies

Unit 4: Systems Control

In this unit students complete the creation of the mechanical and electro-technological integrated and controlled system they commenced production of in Unit 3. They conduct diagnostic testing and an evaluation of their system. Students investigate new and emerging technologies, consider reasons for their development and analyse their impacts. Areas of Study are:

- Producing and evaluating integrated and controlled systems
- New and emerging technologies

Assessment

Assessment in Units 1&2 is determined by Highview College. In Units 3&4 student achievement is determined by school-assessed coursework, a school assessed task and an end-of-year examination.

Unit 3 School-assessed Coursework	10%
Unit 4 School-assessed Coursework	10%
Unit 4 School-assessed Task (folio and practical project)	50%
Units 3&4 End-of-year Examination	30%



VCE THEATRE STUDIES

VCE Theatre Studies has two pathways, acting and design (including studies in lighting, sound, costume, make-up, set or props). Throughout the course, students develop creative and imaginative ideas in response to scripts; analyse and evaluate professional theatre performances as well as staging a production for an audience.

The skills developed through this course are valuable in various industries. Skills include: developing, refining and enhancing analytical, evaluative, and critical thinking skills as well as their expression, problem-solving, collaboration and communication skills. This study can also lead to a diverse range of employment fields for theatre-makers such as playwrights, actors, directors, and designers, producing theatre for varied purposes.

The study of theatre, in all its various forms, prepares students for further study in theatre production, theatre history, communication, writing, acting, direction, and design at the tertiary level.

Unit 1: Pre-Modern Theatre Styles & Conventions

This unit focuses on the application of acting, direction and design in relation to theatre styles from the pre-modern era. Students develop knowledge and skills about theatre production processes including dramaturgy, planning, development and presentation, elements of theatre composition and apply this to selected scripts. Students begin to develop skills of performance analysis and apply these to a professional performance that they attend. They also participate in the school musical production through acting and/or design with Unit 3 students as part of their assessment.

Unit 2: Modern Theatre Styles & Conventions

This unit focuses on the application of acting, direction and design in relation to theatre styles from the modern era. Students creatively and imaginatively work in production roles with scripts, focusing on at least three distinct theatre styles. They study innovations in theatre production in the modern era and apply this knowledge to their own presentation of a monologue.

Unit 3: Producing Theatre

In 2021, the VCE Play will be combined with the Highview school production, giving students the opportunity to use their involvement as part of their coursework as well as providing leadership opportunities. Students specialise in two production roles, choosing from: acting, costume design, make-up design, sound design, lighting design, set design and props. They work collaboratively, creatively and imaginatively to realise the production of a script. Students also attend a professional performance selected from the prescribed VCE Theatre Studies Unit 3 Playlist and analyse and evaluate the interpretation of the script in the performance.

Unit 4: Presenting an Interpretation

In this unit students study a scene and an associated monologue (as specified each year by the VCAA). This work includes exploring theatrical possibilities and using dramaturgy and the elements of theatre composition. Students then develop a creative and imaginative interpretation of the monologue through either acting and directing OR as a designer. Students' work for Areas of Study 1&2 is supported through analysis of a performance they attend. Students analyse and evaluate acting, direction and design.

Assessment

Assessment at Units 1&2 is determined by Highview College. In Units 3&4 student achievement is determined by school-assessed coursework, a presentation/performance as well as a written examination.

- School-assessed Coursework 45%
- End of year Monologue Examination 25%
- End of year Written Examination 30%



VCE VISUAL COMMUNICATION DESIGN

Visual Communication Design is distinct in its study of visual language and the role it plays in communicating ideas, solving problems and influencing behaviours. Students learn how to manipulate type and imagery when designing for specific contexts, purposes and audiences. They choose and combine manual and digital methods, media and materials with design elements and principles. In doing so, students learn how aesthetic considerations contribute to the effective communication and resolution of design ideas, and how an understanding of visual language, its role and potential is the foundation of effective design practice.

Unit 1: Finding, Reframing and Resolving Design Problems

In this unit students are introduced to the practices and processes used by designers to identify, reframe and resolve human-centred design problems. They learn how design can improve life and living for people, communities and societies, and how understandings of good design have changed over time. Students learn the value of human-centred research methods, working collaboratively to discover design problems and understand the perspectives of stakeholders. They draw on these new insights to determine communication needs and prepare design criteria in the form of a brief.

Areas of study are: Reframing design problems, Solving communication design problems, Design's influence and influences on design

Unit 2: Design Contexts and Connections

Unit 2 builds on understandings of visual communication practices developed in Unit 1. Students draw on conceptions of good design, human-centred research methods and influential design factors as they revisit the VCD design process, applying the model in its entirety. Practical tasks across the unit focus on the design of environments and interactive experiences.

Areas of study are: Design, place and time, Cultural ownership and design, Designing interactive experiences

Unit 3: Visual Communication in Design Practice

In this unit students explore and experience the ways in which designers work, while also analysing the work that they design. Through a study of contemporary designers practising in one or more fields of design practice, students gain deep insights into the processes used to design messages, objects, environments and/or interactive experiences.

Areas of study are: Professional design practice, Design analysis, Design process: defining problems and developing ideas

Unit 4: Delivering Design Solutions

In this unit students continue to explore the VCD design process, resolving design concepts and presenting solutions for two distinct communication needs. They select materials, methods and media appropriate for the presentation of final design solutions distinct from one another in purpose and presentation format, and that address design criteria specified in the brief.

Areas of study are: Design process: refining and resolving design concepts, Presenting design solutions.

Assessment

Assessment in Units 1&2 is determined by Highview College. In Units 3&4, student achievement is determined by school-assessed coursework, school assessed task (folio) and an examination.

Unit 3 School-assessed Coursework	20%
Units 3&4 School-assessed Task	50%
Units 3&4 End-of-year Examination	30%



HIGHVIEW COLLEGE



2024

VCE VOCATIONAL MAJOR PATHWAY

INTRODUCTION

This is a Year 11&12 **Vocational** and **Applied Learning** Program that is suitable for students wishing to pursue a 'non-university' career pathway. It cannot be entered in the second year and is designed as a two-year Program with essential modules being delivered in both years.

The Vocational Major is a VCE accredited Program that enables successful transitions into apprenticeships, traineeships, further education and training, or directly into employment. A full VCE Certificate qualification is still achieved, but via a non-ATAR pathway. As such, students completing the VCE Vocational Major do not sit external VCE exams and do not receive an ATAR that provides immediate entry into University.

Please note that University is still an option to students without an ATAR through alternate entry pathways such as completing a TAFE Diploma first or through direct application to the University and completing their alternate entry Programs.

THE PURPOSE OF THE VOCATIONAL MAJOR

The purpose of the VCE Vocational Major is to empower students to make informed decisions about the next stages of their lives, through real life workplace experiences providing them with the best opportunity to achieve their personal goals and aspirations in a rapidly changing world.

Students will be exposed to skills and knowledge that support them to achieve their personal goals and aspirations by:

- equipping them with the skills, knowledge, values and capabilities to be active and informed citizens, lifelong learners and confident and creative individuals; and
- empowering them to make informed decisions about the next stages of their lives through real life workplace experiences.

It is a two-year vocational and applied learning program within the VCE which aims to provide a more structured and defined course of study for students who wish to follow a pathway into vocational education and training or work.

Students undertaking the VM pathway will have access to an enriched curriculum as well as relevant workplace experiences based on their career goals that will develop their real-world knowledge, and technical and transferrable skills that will set them up for further education and employment.

FURTHER CONNECTION TO THE WORLD OF WORK

Students could have an option to complete work experience, or a **School-Based Apprenticeship or Traineeship (SBAT)** whilst completing the VCE VM. A private study block has been allowed for those students who do have opportunity to undertake an SBAT to allow for the extra work-based VET study that is required. In most situations, it is up to the student to find an employer or apply for an apprenticeship, but there are some support systems that can be investigated through career counselling.

School-Based Apprenticeships or Traineeships are an excellent way for students to get a head start in their career while still at school. They allow school students to spend time working while completing the necessary vocational training along with a Year 11 and 12 qualification.

Students will need to enrol in a VET certificate related to their apprenticeship through a TAFE and complete this work outside school. This allows students to gain practical skills in a specific industry while contributing towards the completion of a senior secondary certificate.

VCE VOCATIONAL MAJOR COURSE STRUCTURE

To be eligible to receive the VCE VM, students must satisfactorily complete a minimum of 16 units across two years, including:

- 3 VCE VM Literacy Units (including a Unit 3&4 sequence)
- 2 VCE VM Numeracy Units
- 2 VCE VM Work Related Skills Units
- 2 VCE VM Personal Development Skills Units, and
- 2 VET Units at Certificate II level or above (180 nominal hours)

As well as the above minimum study requirements, students must complete Unit 3&4 Literacy and three other Unit 3&4 sequences as part of their two year program to be awarded the VCE VM certificate. This totals four Unit 3&4 sequences. It is likely that students will achieve this requirement in Year 12.

Students will receive VCE credit for other training or school-based apprenticeships or traineeships. VET is a key element of the VCE Vocational Major program, with students required to complete a minimum of 180 nominal hours of VET at Certificate II level or above.

THE VCE 'VOCATIONAL MAJOR' AT HIGHVIEW

To acquire the VCE VM certificate, students must complete satisfactorily at least 2 units of a VET subject. Hence, VET Sport & Recreation needs to be completed as part of this program. Students completing an external VET certificate as part of an SBAT may be exempt from doing VET Sport & Recreation.

The VCE VM can be tailored to the needs and interests of the student, to keep them engaged while developing their skills and knowledge.

Below is the structure that students completing the VCE Vocational Major at Highview will follow:

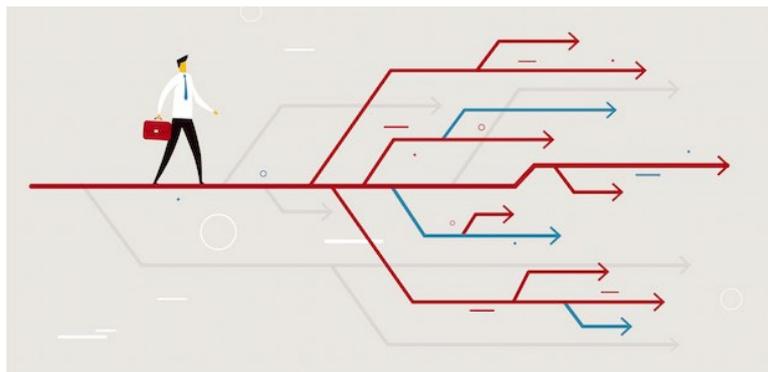
Year 11 Units 1&2

1. Literacy 1&2
2. Numeracy 1&2
3. Work Related Skills 1&2
4. VET Sport & Recreation 1&2 (or an external VET course, possibly as part of an SBAT)
5. a VCE subject (chosen from those described earlier in this booklet)
6. a VCE subject (or Private Study for SBAT students)

Year 12 Units 3&4:

1. Literacy 3&4
2. Personal Development 3&4
3. Numeracy 3&4 (or a VCE subject 3&4)
4. VET or VCE subject 3&4
5. VCE subject 3&4 (or possibly Private Study)
6. Private Study

This structure includes the minimum requirement of Unit 3&4 Literacy, plus 3 other Unit 3&4 sequences. It also includes the required 2 units each of Numeracy, VET, Work Related Skills and Personal Development. Most students will undertake between 18-22 units across the two years.



ASSESSMENT OF VCE VOCATIONAL MAJOR STUDIES

Each VCE VM Unit of Study has specified learning outcomes. The VCE VM studies are standards-based. All assessments for the achievement of learning outcomes, and therefore the Units, are school-based and assessed through a range of learning activities and tasks.

Unlike other VCE studies there are no external assessments of VCE VM Unit 3&4 sequences, and VCE VM Studies do not receive a study score. If a student wishes to receive study scores, they can choose from the wide range of VCE studies and scored VCE VET Programs that contain both internal and external assessment components.

The VCE VM studies do not contribute to an ATAR. To receive an ATAR a student must complete a scored Unit 3&4 sequence from the English group and three other Unit 3&4 scored sequences. Students must achieve two or more graded assessments in these scored sequences.

SUMMARY OF THE VM CURRICULUM

The Personal Development Skills, Work Related Skills, Numeracy and Literacy Study Designs aim to equip students with the necessary skills and knowledge to engender confidence and self-agency in their preparation for the world of work and further training and education.

The Vocational Major Units have a strong focus on the application of knowledge and skills in practical contexts. Many of the Units are underpinned by community-based activities and the development of self-agency.

Applied learning teaches skills and knowledge in the context of ‘real life’ experiences. Students apply what they have learnt by doing, experiencing and relating acquired skills to the real-world. It enables flexible, personalised learning where teachers work with students to recognise their personal strengths, interest, goals, and experiences.

This is a shift from the traditional focus on discrete curriculum to a more integrated and contextualised approach to learning. Students learn and apply the skills and knowledge required to solve problems, implement projects or participate in structured workplace learning.

STUDY SUMMARIES

LITERACY UNITS

Develop literacy skills to meet the demands of the workplace, the community, further study and their own needs and aspirations.

- Focus on the development of the knowledge and skills required to be literate in Australia today.
- Enable the development of knowledge, skills and attributes relevant to reading, writing and oral communication and their practical application in the contexts of everyday life, family, employment, further learning and community.

NUMERACY UNITS

Develop everyday numeracy practices to make sense of their personal, public and future vocational lives.

- Enable students to develop their everyday numeracy practices to make sense of their personal, public, and future vocational lives – develop problem solving skills; logical thinking and reasoning strategies by applying numeracy to everyday activities.
- Empower students to use mathematics to make sense of their world and to apply mathematics in a context of their local, national and global environments
- Embed digital technologies throughout the curriculum to support student confidence and skills to integrate new technologies for everyday numeracy tasks.

WORK RELATED SKILLS UNITS

Develop tangible employability skills and prepare students for their future employment pathways.

- Offer practical, authentic opportunities for students to develop employability skills and prepare for their future pathway
- Invite students to apply their knowledge and understanding to practical and collaborative activities to prepare for the process of applying for jobs and being a valued and productive employee in the workplace.

PERSONAL DEVELOPMENT SKILLS UNITS

Develop student's physical, social and emotional health and wellbeing to support personal growth, achieve individual goals, and engage in society.

- Through independent and collaborative activities, build the capacity of students to set personal goals and participate in their communities with confidence, respect, safety and resilience.
- Develop student capacity to understand and connect with the world they live in, and build their potential to be productive, independent and capable citizens.

FURTHER INFORMATION

Government Website <https://www.vic.gov.au/many-talents-one-vce>

VCAA Study Design: <https://www.vcaa.vic.edu.au/curriculum/vce/vce-study-designs/Pages/vce-study-designs.aspx>

WHAT NEXT?

Students interested in this Program should book a Career Counselling interview with Mrs Howlett (Careers Advisor) or Mrs Freemantle (VM Teacher) to plan and discuss pathway options and confirm SBAT opportunities. Parents/guardians will be invited to this interview.

