Year 10 2024 Subject Guide

BRIGHTON GRAMMAR

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

This document details the 2024 subject options for Year 10 students. It is intended as a guide for families to help with submitting subject preferences. This guide should be used in conjunction with family discussion as well as discussions with teachers and other students as appropriate.

This guide includes several sections:

- Overview of subject offerings
- Subject preferences submission process
- Year 10 subjects
- Accelerated subjects: VCE Overview
- Accelerated subjects: Criteria

Overview of Subject Offerings

In Year 10, students undertake a range of subjects. This is to enable them to explore their interests and strengths, in preparation for submitting VCE subject preferences.

Subjects fall into several categories and duration as shown in the below table:

Category	Duration
Compulsory	Full year
Electives	One semester
Languages other than English	Full year
Accelerated (VCE Units 1 & 2)	Full year

Students in Year 10 complete three compulsory full year subjects, a full year worth of Science subjects as well as five semesters of other subjects which are allocated based on students' preferences. Online preferences do not include accelerated subjects. Acceleration is based on a separate application process outlined later in this document. Students are asked to nominate reserve electives and should consider these carefully as these can be allocated to students depending on timetable constraints.

If a student applies and is successful in their application to complete a Units 1 & 2 sequence (through meeting the criteria and completing a form), this will count as two semesters of subjects. Wherever possible, the student's two least preferred subjects will be replaced by the accelerated subject upon a successful application being processed.

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Subject Preferences Submission Process

A link and instructions will be sent via email to parents with information on how to submit subject preferences. These are completed online.

When submitting subject preferences, an understanding of possible courses and careers is important, particularly for VCE subjects. Career and course advice is available from the Careers Centre located in the Student Services area of the secondary school.

Year 10 Subjects

Subjects offered to Year 10 (2024) students are outlined in the below table.
Note: Accelerated subjects (VCE Units 1 & 2) are outlined on the following pages.

Faculty	Subject	Compulsory	Full year
English	English	Select one	✓
	English as an Additional Language		✓
	Horror Through the Ages		
Mathematics and Digital Technologies	Mathematics*	Select one	✓
	General Mathematics		✓
	Algorithmics and Emerging Technologies		
	Software Development		
Creative and Performing Arts	Creative Practice (Art)		
	Drama		
	Media		
	Music Performance		
	Visual Communication and Design		
	Wood Technology		
Health, Physical Education, Wellbeing, Philosophy, Ethics and Belief	Health, Wellbeing and Physical Education	✓	
Humanities	American Politics		
	Classical Studies		
	Commerce		
	Geography		
	Law and Politics		
	The Second World War		

Continues next page

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Faculty	Subject	Compulsory	Full year
Languages	Chinese as a Second Language		✓
	French		✓
	Japanese		✓
	Latin		✓
Science	Science	✓	
	Biology	At least one must be selected (not required when accelerating into a Unit ½ Science subject)	
	Chemistry		
	Physics		
	Psychology		

*Extension Mathematics selection is initially completed using grades from the previous year.

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Accelerated Subjects: VCE Overview

A Year 10 student may complete one Units 1 & 2 VCE subject upon meeting the criteria and completing an application as outlined on the following page. The information below is intended to provide an overview of the VCE structure which may inform whether or not an application is appropriate.

The Victorian Certificate of Education (VCE) is the certificate that the majority of students in Victoria receive on satisfactory completion of their secondary education. The VCE provides diverse pathways to further study or training at university or TAFE and to employment.

Students at Brighton Grammar School complete their VCE studies primarily over their last two years of secondary schooling. VCE studies are broken into units which are completed over one semester each. For example, English Units 1 & 2 are completed in Year 11 and English Units 3 & 4 are completed in Year 12. Students typically complete:

- **Year 11**: Six Units 1 & 2 subjects
- **Year 12**: Five Units 3 & 4 subjects

Students are permitted to complete one accelerated subject (eg. completing a Units 1 & 2 subject in Year 10). A student who is a native speaker of a language may complete accelerated studies in this language in addition to one other accelerated study if their application is successful. Successful application to complete a Units 1 & 2 VCE subject in Year 10 does not guarantee the student will proceed to Units 3 & 4 in Year 11. Students must maintain a high standard in line with the original criteria for application which is evaluated through a similar application process the proceeding year.

As noted previously, the application process for acceleration is separate to the online preference submission. Students should complete their on-line preferences and the separate application for acceleration without making any assumptions about the success of acceleration.

Any student wishing to complete a VCE subject outside of Brighton Grammar School (BGS) must seek approval from Mr Sanders. This includes students wishing to study a language not offered at BGS.

For more detail about the structure and procedures involved with the VCE, see the VCE Handbook. It is also possible to take a Vocational Education and Training (VET) program as part of a VCE. More information about VET subjects can be found here:
https://studentcareers.brightongrammar.vic.edu.au/?page=vocational-education-and-training

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Accelerated Subjects: Criteria

To apply for acceleration (into a VCE Units 1 & 2 subject) students need to apply through an online form. The below criteria must be met for a student to apply for acceleration:

- 75% average grade (over an entire semester or term report)
- Subject specific criteria (see table below)

Approval of applications are **provisional** and dependent on continuing to meet the criteria.

Faculty	Head of Faculty	Units 1 & 2 Subject	Subject Specific Criteria
Science	Ms Bjarnelind	Biology	80% in Year 9 Science
		Psychology	
		Physics	80 % in Year 9 Science **and** 85% in Year 9 Enrichment Mathematics
Mathematics and Digital Technologies	Mr Humberstone	Mathematical Methods	90% in Year 9 Enrichment Math
		Applied Computing	Completed Year 9 Enrichment Mathematics **or** 75% in Year 9 Mathematics
Humanities	Ms Dwyer	Accounting	No additional criteria
		Business Management	
		Classical Studies	
		Geography	
		Modern History	80% in Year 9 History **or** English
		Politics	80% in Year 9 English
		Economics	
		Legal Studies	
Creative and Performing Arts	Mr Watson	Music Performance	Musical performance test
		Visual Communication and Design (VCD)	80% in Year 9 VCD (if applicable)
		Media	80% in Year 9 English
Languages	Ms Coste	Chinese (First Language & Second Language Advanced)	Speaking interview with the Head of Chinese
Health, Physical Education, Wellbeing, Philosophy Ethics and Belief	Mr Whitehead	Health and Human Development	No additional criteria
		Physical Education	75% in Year 9 English **and** Science

Note: Subjects not listed are not available for acceleration

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Algorithmics and Emerging Technologies

Overview

Algorithmics provides a structured framework for solving real-world, practical problems with computational methods. Algorithmics is fundamental to computer science and software engineering and is essential for understanding the technical underpinnings of the information society. Beyond its use in computing, algorithmics provides a general discipline of rational thought by virtue of the methodical way it approaches problem solving.

In Year 10 Algorithmics and Emerging Technologies students develop computational and algorithmic thinking and design skills and learn to program in the Python programming language. They consolidate their skills through project-based learning – tackling an authentic real-world problem. Students also investigate emerging technologies such as Artificial Intelligence.

Year 10 Algorithmics and Emerging Technologies serves as direct preparation for VCE Algorithmics Units 3 & 4 (HESS), and is complementary to the VCE Applied Computing Units 1 & 2, and VCE Applied Computing: Software Development Units 3 & 4 pathway.

SKILLS TO BE DEVELOPED

- Using symbolic representations and abstraction to formalise real-world information problems
- Designing algorithms to solve practical information problems, using suitable abstract data types and algorithm design patterns
- Coding in the Python programming language
- Understanding emerging technologies such as Artificial Intelligence

Assessment

Assessment tasks may include:

- Programming modules
- Quizzes
- Application tasks
- Tests
- Projects
- Examination

Possible career applications

- Computer Scientist
- Data Scientist
- Software Engineer
- Quantitative Analyst
- Engineer
- Scientist
- Mathematician
- Economist

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 American Politics

Overview

The last presidential election year has been one full of political debate on the future direction of the United States of America. At this time the debates often touch on American History. Is this an America that would make the founding fathers proud?

This course takes a broad look at the History of the United States through the prism of the ideals of the American Revolution. The focus is on how America has wrestled to achieve noble aspirations of universal rights, freedom, and equality as well as examining the extent to which these goals have been achieved.

After examining America's foundational events, ideas and documents, a thematic approach is taken which encompasses key moments in American history (and even current issues being debated).

Topics covered include:

- A Short History of the American Revolution (1760-1820)
- Theme 1: What is an American?
- Theme 2: American Wars and Foreign Policy

This unit is recommended for those students considering taking VCE History and/or VCE Global Politics.

SKILLS TO BE DEVELOPED

- Analyse and evaluate the significance of ideas, events, individuals and popular movements that contributed to the outbreak of the revolution
- Evaluate continuity and change in society as a consequence of the revolution
- Evaluate the degree to which the revolutionary ideals are achieved or compromised
- Construct arguments using primary sources and historical interpretations as evidence

Assessment

Assessment tasks may include:

- Quizzes
- Extended responses
- Source analysis tasks (visual and text)
- Short essay responses
- Examinations

Possible career applications

- Archeologist
- Criminologist
- Historian
- International Relations
- Journalist
- Librarian
- Lawyer
- Political Scientist
- Publisher
- Research Analyst

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Biology

Overview

Life is beautiful! From genes to proteins, reproduction to growth, evolution to diversity, Biology is the study of living organisms, including their structure, function, growth, origin, and evolution. As a part of this elective, students will build upon the genetics concepts they learnt in the compulsory science unit to explore evolution in detail. Additionally, students will have an opportunity to study animal behaviour and reproduction, and plant reproduction. They will also apply their understanding of genetics and evolution to study the importance of biodiversity. Additionally, they will have an opportunity to explore some DNA technology.

Focus areas for the semester:

- Evolution
- Adaptations
- Reproduction
- Biodiversity
- Biotechnology

SKILLS TO BE DEVELOPED

- Practical skills
- Scientific writing
- Drawing evidence-based conclusions
- Developing research questions
- Analysing data
- Connecting scientific theory with observations

Assessment

Assessment tasks may include:

- Practical reports
- Quizzes
- Tests
- Projects
- End of semester examination

Possible career applications

- Dentist
- Health Information Manager
- Health promotion/policy
- Medical Practitioner
- Medical Scientist
- Nurse
- Nutritionist
- Pharmacist
- Radiographer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Chemistry

Overview

Students will build on the understanding they developed in the Chemical Reactions topic during Semester Science.

Many of the topics covered in this elective align with Units 1 and 2 VCE Chemistry. As such, this is ideal for students intending to take senior Chemistry. Moreover, all students will gain insights into the physical and chemical properties of substances, and an appreciation of why they behave as they do. This provides all students with a new lens through which to view and understand the world.

Topics covered will include:

- A complete understanding of bonding: metallic, ionic, covalent and intermolecular
- Metals and how their properties can be optimised
- Carbon (organic) chemistry and polymers
- Redox chemistry including a deeper understanding of reaction types (e.g., combustion and displacement) and electrochemistry
- Acid and base chemistry including reactions of acids and the pH scale
- An introduction to the mole, which unlocks the ability to perform calculations in chemistry. This can then be applied to many aspects of the course

Students will perform practical tasks to develop scientific skills and apply their theoretical understanding.

SKILLS TO BE DEVELOPED

- Scientific writing
- Working collaboratively
- Drawing evidence based conclusions
- Developing research questions
- Analysing data
- Connecting scientific theory with observations
- Understanding models and using them as tools to make predictions

Assessment

Assessment tasks may include:

- Quizzes
- Practical reports
- Topic tests
- End of semester examination

Possible career applications

- Dentist
- Health Information Manager
- Health promotion/policy
- Medical Practitioner
- Medical Scientist
- Nurse
- Nutritionist
- Pharmacist
- Radiographer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Chinese Second Language

Overview

Students continue to develop their Chinese communication skills with increasing autonomy while drawing on diverse forms of scaffolding and models, including word lists, digital dictionaries, and teacher advice and support. They are expanding the range and nature of their learning experiences and of the contexts in which they communicate with others.

Students will explore topics related to describing a house, including the location, the room arrangement, furniture and other details, conversing about food and diet, and exchanging information about weather in Chinese.

All of these topics are designed to enhance the development of students' listening, speaking, reading, writing and viewing skills. They also provide learning opportunities for students to reflect on their understanding of and responses to their experiences when communicating across cultures.

SKILLS TO BE DEVELOPED

- Locate and compare perspectives on people, places and lifestyles in different communities
- Reflect on the reactions and experiences of participants in interactions, and observe how languages is adapted to communicate effectively in unfamiliar context
- Analyze functions of grammatical rules and use language appropriate to different forms of oral and written communication
- Identify words and phrases in Chinese that do not readily translate into English, using contextual cues, action and gesture to assist translation

Assessment

Assessment tasks may include:

- Unit tests (Commons Assessment Tasks)
- Quizzes
- Oral presentation
- Project
- Written assessment
- Examination

Possible career applications

- International finance/business
- Diplomacy/policy development
- Translating and interpreting
- Lawyer (international law
- Linguist

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Classical Studies

Overview

As an introductory course to Classical Studies, this subject explores a selection of seminal works from the cultures of ancient Greek and ancient Roman worlds which continue to influence our Western civilisation.

A knowledge of the ancient word provides great insight and training for a plethora of other subjects, whether they are of a scientific or artistic background. In fact, Classical Studies is one of the best subjects for acquiring transferable skills for life beyond school, since students gain career flexibility by developing skills in research, writing, critical analysis and communication.

Studying literary, historical, mythological and architectural sources, such as the *Trials of Heracles*, *the Temple of Zeus at Olympia* and Sophocles's famed tragedy *Oedipus the King*, students will explore the composition and nature of ancient Greek society spanning from the Age of Heroes to the Classical period during the 5th Century BC.

A semester in length, this Year 10 course includes the following areas of study: classical mythology, with its awesome gods, brave heroes and supernatural monsters; the origins of the Olympic Games and its representation in art and architecture; and Athenian Tragedy.

This course will provide a beneficial foundation for those considering future studies at VCE.

SKILLS TO BE DEVELOPED

- Written expression
- Textual analysis
- Critical analysis
- Public speaking
- Construct of arguments
- Evaluation and comparison skills
- Persuasion and rhetoric skills
- Research and communication skills

Assessment

Assessment tasks may include:

- Short-answer tests
- Area of Study tests
- Oral presentations
- Extended response questions
- Research essay
- Semester examination

Possible career applications

- International Relations
- Lawyer
- Journalist
- Consultant
- Diplomat
- Political Scientist
- Education
- Research Analyst
- Publisher

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Commerce

Overview

This elective explores the ways in which individuals, families, the community, workers, businesses and governments make decisions in relation to the allocation of resources. It enables students to understand the process of economic and business decision-making at the personal, local, regional, national and global levels, and the effects of these decisions on themselves and others, now and in the future. They will also learn how the legal system impacts upon the economy and society. Students learn to appreciate the interdependence of decisions made and develop the knowledge, understanding and skills that will inform and encourage them to participate in, and contribute to, society more broadly.

In studying commerce, students will develop transferable skills that enable them to identify and investigate contemporary issues or events. They will apply relevant reasoning and interpretation to solve problems and interpret these issues and events.

Students will then be better placed, now and in their adult lives, to participate in economic, business and political activities actively and effectively. They learn how current decisions and actions will shape future consequences and are encouraged to think critically about probable and preferred futures. This will enable them to contribute to the development of prosperous, sustainable and equitable Australia and to face the future with optimism and confidence.

SKILLS TO BE DEVELOPED

- An understanding of economic principles
- Bookkeeping skills
- An understanding of the roles of the courts and government
- An ability to apply economic principles to financial decision-making

Assessment

Assessment tasks may include:

- Tests
- Assignments
- Presentations
- Examinations

Possible career applications

- Accountant
- Conveyancer
- Economist
- Employee Relations Officer
- Financial Planner
- Human Resource Manager
- Investment Analyst
- Management Consultant

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Creative Practice (Art)

Overview

Year 10 Creative Practice (Art) students will investigate and respond to broadly established themes and the work of historical and contemporary artists to help guide and develop their own creativity and artistic style. Students will have access to a range of media, including paints, sculpting materials, digital photography and video, printmaking and drawing.

Students will also respond to short set analysis tasks that expose them to a range of artistic styles, to develop confidence in applying art terminology and to assist with their choices for folio development.

SKILLS TO BE DEVELOPED

- Developing skills with a range of media
- Planning artworks
- Conducting investigations and research into selected concepts, themes and topics
- Visual strategies for the communication of ideas
- Use of art terminology and the application of analytical frameworks

Assessment

Assessment tasks may include:

- Visual diary
- Finished artworks
- Developmental works
- Written responses
- Self-directed exploration

Possible career applications

- Advertising
- Architect
- Artist
- Curator
- Graphic Designer
- Games Designer
- Illustrator
- User Experience (UX) Designer
- Spatial Designer (Interior/Exterior/Virtual)
- Performance Designer (Set/Special Effects)

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Drama

Overview

Year 10 Drama is a fun and practical approach to creating performance that extends on the skill and knowledge taught at Year 9 Drama.

Students participate in practical activities and workshops which arm them to create their own drama performances using both expressive and performance skills. In addition to this, they learn theoretical approaches to drama and how to critically analyse their own work.

Exploring the effects of war on individual Australian's, Year 10 Drama compliments the Year 10 History curriculum, whilst giving students the skills to create different characters and tell stories in various ways. The practical approach to text also increases their capacity to demonstrate the skills required for oral presentations in subjects such as English, History and Language and the critical reflection work supports their work in English analysis.

The primary focus of Year 10 Drama is to build up students' self confidence and their ability to work in teams, as these skills are vital in preparation for their VCE and as they enter the workforce.

Whilst drama links to some rather specific careers, it fosters general skills that are applicable to various careers and can lead to excelling in a workplace or interview process.

SKILLS TO BE DEVELOPED

- Self confidence
- Self expression
- Public speaking
- Interpersonal skills
- Creativity
- Working in teams
- Critical thinking

Assessment

Assessment tasks may include:

- Class work
- Performances
- Performance analyses
- Examinations

Possible career applications

- Actor: stage and screen
- Advertising Agent
- Acting Agent
- Costume or Set Design
- Director
- Lighting or Sound Technician
- Media Presenter
- Public Relations Officer
- Screen Writer/Scriptwriter
- Theatre Reviewer
- Any career that involves working with people or in teams

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 English

Overview

Students continue to build their understanding of the subject of English through the exploration of a range of topics, through receptive (listening, reading and viewing) and productive modes (speaking, writing and creating).

In Term 1, students read *12 Angry Men.* They learn to identify the central themes and ideas of a text. They analyse in detail their development over the course of the text, including how they emerge, are shaped and refined by specific details.

In Term 2, students read Shakespeare's, *Macbeth,* and explain how the choice of language features, images and vocabulary contributes to the development of individual style. Students respond creatively to texts, crafting their own texts to articulate complex ideas.

In the analysing and presenting argument unit, students learn to identify and evaluate the intended impact of persuasive strategies on specific audiences and utilise these in their own writing.

SKILLS TO BE DEVELOPED

- Analytical writing
- Working collaboratively
- Using evidence
- Responding creatively
- Identifying textual themes
- Using a range of academic vocabulary

Assessment

Assessment tasks may include:

- Essay responses
- Creative writing
- Quizzes
- Oral presentations
- Collaborative group projects
- Examinations

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 English as an Additional Language (EAL)

Overview

The English as an Additional Language (EAL) curriculum supports students to expand their knowledge, understanding and skills in relation to their spoken English, in order to make them more autonomous users of language. At this level, students use their expanding vocabulary and knowledge of a broad range of grammatical features to engage in increasingly complex exchanges in English.

Students explore a diverse range of familiar and unfamiliar print and digital texts, including visual and multimodal texts.

The EAL curriculum provides opportunities for students to write with autonomy for a range of purposes. Students are encouraged to develop their capacity to extend and connect their ideas, and write sustained analytical and creative texts. In response to feedback and self-assessment, students learn to draft and edit their work to enhance fluency, clarity, accuracy and appropriateness for purpose, audience and context.

SKILLS TO BE DEVELOPED

- Formulating and justifying a point of view
- Analysing and interpreting language choices
- Choosing vocabulary to express shades of meaning
- Interpreting texts at literal and inferential levels
- Developing and expressing personal responses to texts

Assessment

Assessment tasks may include:

- Creative response
- Analytical response
- Personal response
- Passage analysis
- Oral presentation

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 French

Overview

Year 10 French students become more confident in communicating in a wider range of authentic contexts, and gain an understanding of how to produce a range of text types, including speeches, narratives, dialogues and letters. They use French to interact in class, express and justify opinions and to interpret and analyse a wider range of texts, including visual and audio resources.

Topics studied at Year 10 French include discussing personal and family relationships, exploring environmental issues and solutions, recounting one's childhood and understanding life in French society in the past and expressing future plans and ambitions.

Students' written and spoken French will become more sophisticated, using connectives and conjunctions, and they will engage with more complex language structures to express nuance and give well considered arguments.

SKILLS TO BE DEVELOPED

- Communicating in French, encompassing reading, writing, listening and speaking skills
- Understanding the relationship between language, culture and learning
- Developing intercultural capabilities
- Understanding themselves as communicators

Assessment

Assessment tasks may include:

- Quizzes
- Units tests (Common Assessment Tasks) assessing listening, speaking, reading and writing skills
- Pair work and individual tasks
- Homework exercises
- Examinations

Possible career applications

- Customs and Border Protection Officer
- Foreign Correspondent
- International Finance
- International Relations/Policy Development
- Importer/Exporter
- Interpreter
- Language Teacher/Education Consultant
- Lawyer (International law)
- Linguist
- Travel Consultant

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 General Mathematics

Overview

The Year 10 General Mathematics course is based on the Victorian Curriculum Level 10 course and is designed to prepare students to study General Mathematics Units 1 and 2 and subsequently General Mathematics Units 3 and 4.

Students gain exposure to the three content strands through a variety of teaching and learning techniques including explicit instruction, regular retrieval practice, metacognitive practices, and ongoing formative assessment.

SKILLS TO BE DEVELOPED

- Pythagoras' theorem and trigonometry
- Consumer arithmetic
- Algebra and indices
- Measurement
- Linear graphs and equations
- Geometry
- Probability
- Quadratics and non-linear graphs
- Statistics

Assessment

Assessment tasks may include:

- Assigned coursework
- Quizzes
- Topic tests
- Examinations

Possible career applications

- Accountant
- Agriculture and Resource Economist
- Finance Manager
- Insurance Broker
- Logistics Manager
- Management Consultant
- Market Researcher
- Property and Valuation

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Geography

Overview

Year 10 Geography is split into two units, 'Geographies of Human Wellbeing' and 'Environmental Change and Management'.

'Geographies of Human Wellbeing' focuses on investigating global, national and local differences in human wellbeing between places. This unit examines the different concepts and measures of human wellbeing, and the causes of global differences in these measures between countries. Students explore spatial differences in wellbeing within and between countries, and explore programs designed to reduce the 'development gap'.

'Environmental Change and Management' examines contemporary geographic issues such as the impacts of anthropogenic 'climate change' and land degradation. Students examine a chosen case study in detail, as well as looking at a range of other environmental changes across various scales, such as rising sea-levels and the melting of glaciers and ice-sheets. Global, national and local mitigation and adaptation measures are evaluated, which prepare the students effectively for VCE Geography.

SKILLS TO BE DEVELOPED

- An understanding of the complexity of natural and human induced geographic phenomena across the Earth's surface
- Development and examination of geographically significant questions
- Application of geographical concepts
- Analysis of geographic information and spatial data in order to develop informed opinions about geographic processes and change
- Appreciation and sense of wonder about our natural environment

Assessment

Assessment tasks may include:

- End of topic tests
- Fieldwork reports
- Group presentations
- Research reports
- Case studies
- Examinations

Possible career applications

- Agricultural Scientist
- Architect/Landscape Architect
- Engineer
- Geologist
- Geographic Information Systems Officer
- Forester
- Land and Property Economist
- Park Ranger
- Surveyor
- Urban and Regional Planner

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Health, Wellbeing and Physical Education

Overview

At Year 10, students engage in a range of activities that enable them to develop their physical, mental, social, emotional and spiritual health and wellbeing.

Students are supported to continue to refine and apply strategies for maintaining a positive outlook, and evaluating behavioural expectations in different leisure, social, movement and online situations. Students learn to apply health information to devise and implement personalised plans for maintaining healthy and active habits in a variety of scenarios. They also experience different roles that contribute to successful participation in physical activity. Additionally, students propose strategies to support the development of preventive health practices that build and optimise community health and wellbeing.

In the practical setting, students learn to apply more specialised movement skills and complex movement strategies and concepts in different movement environments. The curriculum also provides opportunities for students to refine and consolidate personal and social skills in demonstrating leadership, teamwork and collaboration in a range of physical activities.

All students are provided with opportunities to elect courses that develop skills and knowledge to assist them in key pathways. These include:

- VCE Health and Human Development
- VCE Physical Education
- Leadership
- Healthy and active lifestyles

SKILLS TO BE DEVELOPED

- Teamwork and collaboration
- Physical skills
- Tactical knowledge and skills
- Social and emotional skills
- Critical thinking skills
- Creative skills

Assessment

Assessment tasks may include:

- Fitness tests
- Physical tasks
- Workbook tasks
- Research tasks
- Case studies

Possible career applications

- Exercise Scientist/Exercise Physiologist
- Facilities Manager
- Nutritionist
- Outdoor Education Specialist
- Paramedic
- Physiotherapist
- Sports Manager
- Sports Medicine
- Sportsperson

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Horror Through the Ages

Overview

This course is an introduction to Literature as a distinct subject within the English Faculty. It is different to the standard English course in that it features a variety of contemporary novels, plays, poems and short stories, as well as allowing students the opportunity to respond in a variety of forms.

Students will study the ways in which authors use specific techniques in order to produce various types of writing. They will also gain an understanding of how the place in which an author writes can influence the production and reception of texts.

Students will explore the critical receptions of a text, analysing the different perspectives that readers use when reading a written text.

The class will study film and television adaptations of a text, exploring how the form and meaning of a written text changes when it is adapted into a visual medium.

Students will also develop their creative writing skills, analysing the particular writing style of an author and then using that knowledge to write their own creative pieces.

SKILLS TO BE DEVELOPED

- Analysis of authorial techniques
- Analysis of visual representations in film
- Analysis of critical receptions of texts
- Creative writing

Assessment

Assessment tasks may include:

- Passage analysis
- Adaptation analysis
- Creative writing
- Examination

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Japanese

Overview

In Year 10 Japanese, students become more confident in communicating in a wider range of contexts through greater control of language structures and vocabulary. They use Japanese to communicate and interact; to access and exchange information; to express feelings and opinions; and to create, interpret and analyse a wider range of texts and experiences. Students sequence and describe events using a range of cohesive devices, and complete communicative tasks.

Topics studied at Year 10 Japanese include talking about leisure activities and sports; describing people/animals; Japanese food and culture; visiting Japan; and giving and following directions.

Students will read and write using hiragana, katakana and an increasing number of kanji in all texts. Their writing will become more sophisticated, using connectives and conjunctions, and they will engage with more complex language structures.

SKILLS TO BE DEVELOPED

- Communicating in Japanese, encompassing reading, writing, listening and speaking skills
- Understanding the relationship between language, culture and learning
- Developing intercultural capabilities
- Understanding themselves as communicators

Assessment

Assessment tasks may include:

- Quizzes
- Unit tests
- Listening and reading comprehension tests
- Oral and written communicative tasks
- End of year examination

Possible career applications

Bilingualism is an advantage in every field. Specific examples include;

- Foreign Correspondent
- International Finance
- International Relations/Policy Development
- Importer/Exporter
- Interpreter
- Language Teacher/Education Consultant
- Lawyer (International law)
- Linguist
- Travel Consultant

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Latin

Overview

Latin is one of the ancient languages which continues to influence our Western culture. Latin's legacy, both linguistically and syntactically, is evident in a variety of other subjects such as modern Romance languages, politics, law, history and architecture, to all branches of science, music and art.

This course is the final part of the intermediate study of Latin, and is used as a strong preparation for VCE Latin. Students will now complete and consolidate their study of all required grammatical structures and vocabulary leading into the VCE course. The key skills will focus on establishing fluency in reading both adapted and some unadapted Latin passages, the precise translation of more complex unseen passages and the accuracy of English to Latin composition.

A confident knowledge of subordinate sentence structures, the architecture of complex Latin sentences, and skills for dealing with variable Latin word order are essential this year. Students will also learn the relevant historical background pertaining to the Trojan War, along with a prose translation reading of Virgil's Aeneid in its entirety.

SKILLS TO BE DEVELOPED

- Memorisation
- Linguistic analysis
- Pattern recognition
- Deductive analysis
- Comprehension skills
- Communication skills (written and oral)
- Language acquisition

Assessment

Assessment tasks may include:

- Vocabulary tests
- Short-answer tests
- Comprehension skills
- Translation tests
- Reading tests
- Examinations

Possible career applications

- Professions requiring analysis and evaluation skill sets, whether written or oral
- Research Analyst
- Consulting
- Diplomat/International Relations
- Lawyer
- Medical Practitioner
- Editor
- Media and Communications Officer
- Policy Developer
- Linguist
- Technical Writer
- Speech Pathologist

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Law and Politics

Overview

Law and Politics will provide students with an understanding of the Australian justice and political system. Through this course, students will gain insights into how laws are created and changed, the key features of Australian courts, and how the legal system functions to resolve civil and criminal disputes.

Students will also learn about Australia's role in the global community and the extent to which Australia has cooperated or opposed global cooperation. There will also be an opportunity to study different governments and political systems and analyse current contentious issues in global politics such as terrorism, people movement, arms control and disarmament or the environment.

Students will develop critical thinking skills that will enable them to actively participate in social and political conversations. They will be equipped to analyse and evaluate the world around them, helping them contribute to positive societal change.

SKILLS TO BE DEVELOPED

- The features of democracy and other political systems
- How laws are created and are changed
- Criminal and civil law
- Features of a courtroom
- Police powers and your rights
- Australia's role as a global system
- Australia's involvement in the UN
- Global crises: terrorism, people movement arms control and disarmament or the environment.

Assessment

Assessment tasks may include:

- Short-answer tests
- Research projects
- Presentations
- Examination

Possible career applications

- Journalism
- Lawyer
- Policy Development
- Public Relations
- Research Analyst

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Mathematics (incl. Extension)

Overview

The Year 10 Mathematics/Year 10 Extension Mathematics course is based on the Victorian Curriculum course and is designed as a prerequisite to studying Mathematical Methods Units 1 and 2. Each topic includes the introduction and reinforcement of numeracy skills and concepts that form the basis for the study of Mathematics.

Students gain exposure to the three content strands through a variety of teaching and learning techniques including explicit instruction, regular retrieval practice, metacognitive practices, and ongoing formative assessment.

The Extension class includes a focus on deeper understanding of Mathematics and provides opportunities for students to explore more complex and abstract problems and their varying mathematical solutions.

SKILLS TO BE DEVELOPED

- Trigonometry
- Linear algebra
- Indices and surds
- Quadratics
- Measurement and geometry
- Parabolas and other graphs
- Probability and statistics
- Logarithms and polynomials

Assessment

Assessment tasks may include:

- Assigned coursework
- Quizzes
- Topic tests
- Examinations

Possible career applications

- Actuary
- Astronomer
- Computer Programmer
- Engineer
- Investment Analyst
- Medical Practitioner
- Meteorologist
- Pilot
- Risk Manager
- Surveyor

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Media

Overview

Students will build upon their understanding of Media through the exploration of media products as well as design and create their own. Students will also develop their critical thinking and practical skills through their study and production of Media.

In the 'Film Analysis' unit, students learn from a range of genres, such as Sci-Fi, Sports or Super Heroes through studying media texts and codes and conventions related to the specific genre and audience.

In the 'Media Forms in Production' unit, students will demonstrate their understanding of genre by producing their own media products such as: film production, photography, podcasts, print, animation and social media. Students develop their skills through pre-production, production and post-production tasks and projects.

Students will undertake individual and group projects that build an understanding of how the media influences our identity and impacts upon us as an audience.

This course is a combination of analysis and production, and will be well suited for students with a solid literacy foundation.

SKILLS TO BE DEVELOPED

- Media language used to convey messages to audience
- The technologies which are essential for producing, accessing and distributing media
- The various institutions that enable and constrain media production and use
- The audiences for whom media arts products are made and who respond as consumers, citizens and creative individuals
- The constructed representations of the world, which rely on shared and disputed social values and beliefs.

Assessment

Assessment tasks may include:

- Production tasks and projects
- Written responses and analysis
- Common Assessment Tasks
- End of year examination

Possible career applications

- Film and Television Industry
- Journalism
- Marketing and Publishing
- Communications
- Public Relations
- Advertising
- Market Research
- Event Manager

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Music Performance

Overview

Year 10 Music Performance is a wonderful opportunity for students to continue their passion for instrumental music. This semester course is designed for students who learn a musical instrument or study voice and are interested in developing their instrumental, ensemble and performance skills.

Over the course of the semester, students will prepare for a 15 minute solo performance with the support and guidance from instrumental and classroom teachers, along with piano accompanist.

To support students in their preparation, they will design a technical work portfolio. Through this unit, students identify performance challenges and develop technical exercises to support them in their preparation for the end of semester recital.

Continual study of musicianship skills (theory and aural) along with the analysis of musical excerpts will strengthen students musical knowledge and skills.

Ensemble skills are vital in developing a well-rounded musician, therefore students will form small ensembles and learn skills in planning for rehearsals and ensemble communication across a variety of musical genres.

SKILLS TO BE DEVELOPED

- Notating music theory
- Recognition of aural concepts
- Analyzing a musical excerpt using the elements of music
- Performance conventions
- Practice strategies
- Choosing technical work to support their instrumental development

Assessment

Assessment tasks may include:

- Term 1 theory and aural test
- Music analysis assignment
- Portfolio of technical work
- Term 1 performance
- End of semester performance evening
- End of semester theory and aural exam
- Ensemble participation

Possible career applications

- Audiovisual Technician
- Conductor
- Composer
- Director
- Media and Communication
- Multimedia Developer
- Music Critic
- Music Therapist
- Performer
- Sound Engineer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Physics

Overview

The Physics elective is made up of two topics: 'How do forces act on structures and materials?' and 'How do heavy things fly?'

In 'How do forces act on structures and materials?', students study materials and structures, focusing on what makes something strong and suitable for certain builds. The students then design and build a model bridge to reinforce the concepts that they have covered. In addition, students develop skills and understanding of the Fusion 360 software program. Students learn how to use the software through completing a series of designs and in doing so, develop skills and understanding of the sketch and design environments within the program. They develop their own designs and look at how these designs can be made a reality through 3D printing.

In 'How do heavy things fly?', students model the forces acting on an aircraft in flight and learn to analyse how aerodynamic changes in the design can affect these forces. The unit gives the students another opportunity to refine their design skills in Fusion 360, and allows them to put theory into practice, by designing their own wings and testing them in an air tunnel.

SKILLS TO BE DEVELOPED

- Problem solving
- Working collaboratively
- Working creatively
- Designing innovative solutions to problems
- Building
- Computer-Aided-Design (CAD)
- Analysing data
- Project management
- Connecting scientific theory with observations

Assessment

Assessment tasks may include:

- Projects
- Practical reports
- Design and building tasks
- Design presentations
- Topic tests
- End of semester examination

Possible career applications

- Environmental Engineer
- Pilot
- Civil Engineer
- Construction/Project Manager
- Industrial Engineer
- Network/Computer Analyst

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Psychology

Overview

Psychology is a rapidly growing field, and there are many different areas of specialisation. These include: sports psychology; organisational psychology; counselling psychology; developmental psychology; clinical psychology; and forensic psychology. Students who choose Year 10 Psychology have the opportunity to experience the subject and whether they would like to continue in the subject as a VCE student. VCE Psychology is the third largest subject in Victoria and its popularity and relevance continues to increase. This is a one semester study, which focuses on the study of human brain and behaviour. In this subject we will look at:

- Neuropsychology: students focus on the biology of the brain. This understanding is then applied to how addiction works
- Positive Psychology: students consider how to increase their sense of wellbeing and happiness. Theories investigated include Seligman and Frederikson
- Sleep: In this topic, students will observe their own sleep habits, and apply concepts learnt in class to improving their sleep
- Pathological behaviour: students explore psychopathy as a personality disorder, and challenge the notion that all criminals are psychopathic
- Ethics: for any role working with people, having ethical principles to guide behaviour (and what the right thing 'to do' is) is a fundamental part of psychology. The implications for unethical behaviour will be explored, in particular, the Chelmsford Hospital Scandal

SKILLS TO BE DEVELOPED

- Key science skills
- Application of psychological theory
- Critical thinking
- Drawing evidence-based conclusions
- Evaluating data

Assessment

Assessment tasks may include:

- Research assignments
- Media analyses
- Topic tests
- End of semester examination

Possible career applications

People-oriented careers such as:

- Criminologist
- Human Resource Manager
- Lawyer
- Marketing Manager/Advertising
- Medical Professional
- Psychologist
- Politician
- Social Worker
- Teacher

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Science

Overview

Students continue to build their understanding of Science through exploration of several topics. In all of these topics, the development of students' practical work and inquiry skills are a focus, especially leading into VCE Sciences.

There are three main units of focus for the year:

Chemistry Unit: students consolidate their understanding of atoms, ions and balancing equations. They investigate different types of reactions and how reaction rate can be increased.

Physics Unit: students investigate the motion of objects through calculation of velocity and acceleration. They learn and apply Newton's 3 Laws of Motion to different scenarios and design their own practical activity to explore these.

Biology Unit: students learn about inheritance and how our DNA is passed from parents to offspring. These processes are investigated further by looking at cells under a microscope.

SKILLS TO BE DEVELOPED

- Scientific writing
- Working collaboratively
- Drawing evidence based conclusions
- Developing research questions
- Analysing data
- Connecting scientific theory with observations
- Understanding models and using them as tools to make predictions

Assessment

Assessment tasks may include:

- Quizzes
- Projects
- Practical reports
- Topic tests
- End of semester examination

Possible career applications

- Dentist
- Health Information Manager
- Health Promotion/Policy
- Medical Practitioner
- Medical Scientist
- Nurse
- Nutritionist
- Pharmacist
- Radiographer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Software Development

Overview

Year 10 Software Development focuses on the strategies and techniques for creating digital solutions to meet client needs. The study examines the attributes of each component of an information system including people, processes, data and digital systems (hardware, software, networks), and how their interrelationships affect the types and quality of digital solutions.

In Year 10 Software Development students develop software engineering skills, including learning to program in the Python programming language. They consolidate their skills through project-based learning – developing a full stack web application in response to a problem or opportunity context of their choosing. Students also investigate how emerging technologies can be leveraged to create innovative solutions, and career opportunities in digital technologies.

Year 10 Software Development serves as direct preparation for VCE Applied Computing Units 1 & 2 and VCE Applied Computing: Software Development Units 3 & 4, and is complementary to the VCE Algorithmics Units 3 & 4 (HESS) pathway.

SKILLS TO BE DEVELOPED

- coding in the Python programming language
- understanding full stack web application architecture
- developing software solutions
- investigating how emerging technologies can be leveraged to create innovative solutions

Assessment

Assessment tasks may include:

- Programming modules
- Projects
- Examination

Possible career applications

- Software Engineer
- UI/UX Designer
- Web Developer
- Project Manager
- Digital Product Manager
- Digital Marketer
- Computer Scientist
- Data Scientist

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 The Second World War

Overview

The Second World War sees students delve into the military history of Australia and the world from 1918 to 1945, with an emphasis on Australia in its global context. The transformation of the modern world during a time of political turmoil, global conflict and international cooperation of the period provides a necessary context for understanding Australia's development, its place within the Asia-Pacific region and its global standing.

Students investigate the causes of World War II and the reasons why Australians enlisted to go to war; significant places where Australians fought and their perspectives and experiences in these places; noteworthy events, turning points of World War II and the nature of warfare, including the Holocaust and use of the atomic bomb; and the effects of World War II with a particular emphasis on the changes and continuities brought to the Australian home front and society.

SKILLS TO BE DEVELOPED

- Use questions to shape historical inquiry into the events of World War II
- Explain the historical significance of the treaties which ended World War I
- Explain continuity and change in the period of 1918 to 1945
- Compare attitudes, beliefs and values of ideologies of the period
- Analyze perspectives of people from the period on political and economic change as reflected in primary sources
- Compare historical interpretations of the impacts of World War II

Assessment

Assessment tasks may include:

- Short-answer tests
- Topic tests
- Research projects
- Presentations
- Examinations

Possible career applications

- Economist/Commercial Careers
- Employee Relations
- Journalism
- Lawyer
- Policy Development
- Public Relations
- Research Analyst

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Visual Communication Design

Overview

Students continue to build their understanding of Visual Communication Design through exploration of new manual and digital applications. This semester, the development of the student's folio presentation and design process skills are a focus. The tasks are designed to further the student's understanding in the design industry through creating impactful presentations and developing essential software knowledge.

In the Environmental Design unit, students study Nano design using past and present examples. Examining location availability and environmental factors within design, students will create a Nano house design using 3D software.

The Industrial Design unit provides students with the opportunity to study a product over a period of time and through technical drawing, create their own finished digital presentation. Functionality and practical aspects of design are given consideration throughout the task.

The Communication Design unit allows students to showcase their creative skills. Students will study branding, typography and the meaning of colour, whilst creating a business brand for their very own clothing business. Legal obligations relating to copyright and intellectual property are discussed within the context of fashion design. Students create a final product to present to classmates at the conclusion of the unit.

SKILLS TO BE DEVELOPED

- Environmental, communication and Industrial design skills
- Technical drawing skills
- Folio presentation skills
- Branding and logo development
- Adobe Suite software skills
- Understanding industry practice
- Fashion design
- Legal obligations in design practice

Assessment

Assessment tasks may include:

- Tasks (folio)
- Online topic tests
- Class pitch presentation
- Semester examination

Possible career applications

- Architect
- Animator
- Fashion and Textile Designer
- Graphic Designer
- Industrial Designer
- Multi-media Developer
- Performance Designer (set and costume)
- Spatial Designer (interior/exterior/virtual)
- Special effects
- User Experience (UX) Designer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Year 10 Wood Technology

Overview

Prerequisite - It is highly recommended that students have successfully completed Year 9 Wood Technology. Classes are restricted in numbers for safety constraints.

Students become more engaged in the design process and related areas such as addressing the needs of the end user and building for a purpose.

A variety of power tools are introduced at this level, which assist the boys in producing a high standard of work. Products completed include bread boxes and display cabinets.

Boys have the opportunity to design their own products and to learn how to integrate various types of timber (hardwoods and softwoods). The work that students complete in Year 10 prepares them for the Product Design and Technology course at VCE level.

SKILLS TO BE DEVELOPED

- Classification of materials
- Methods of testing
- Design elements
- Selection of tools, machines and processes for a specific purpose
- Justification of materials used

Assessment

Assessment tasks may include:

- Set practical tasks
- Practical examination at the end the semester

Possible career applications

- Civil Engineer
- Construction Manager
- Industrial Designer
- Performance Designer (set and costume)
- Product Design Engineering
- Property Development and Valuation
- Fashion Designer and Textile Designer
- Spatial Designer (interior/exterior/virtual)
- Trades
- Visual Merchandiser

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Accounting Units 1 & 2

Each unit is completed over a semester.

Focus of course

VCE Accounting explores the financial recording, reporting, analysis and decision-making processes of a sole proprietor small business. Students study both theoretical and practical aspects of accounting. They collect, record, report and analyse financial data, and report, classify, verify and interpret accounting information, using both manual methods and information and communications technology (ICT).

This data and information is communicated to internal and external stakeholders, and is used to inform decision-making within the business with a view to improving business performance. Accounting plays an integral role in the successful operation and management of businesses.

SKILLS TO BE DEVELOPED

- Collection and sorting of financial and non-financial data
- Classification of financial data
- Recording and reporting of financial data
- Analysing data and providing advice to business owners
- Critical thinking

Assessment

Assessment tasks may include:

- Topic tests
- Practical reports
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Accountant
- Actuary
- Auditor
- Finance Manager
- Financial Planner
- Investment Analyst
- Liquidator and Receiver
- Systems Accountant
- Stockbroker
- Treasurer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Applied Computing Units 1 & 2

Each unit is completed over a semester.

Focus of course

Students are introduced to the stages of a problem-solving methodology. Students focus on how data can be used within software tools such as databases and spreadsheets to create data visualisations, and the use of programming languages to develop working software solutions. Students focus on developing innovative solutions to needs or opportunities that they have identified, and propose strategies for reducing security risks to data and information in a networked environment.

SKILLS TO BE DEVELOPED

- Apply computational thinking skills when extracting meaning from data, and apply design thinking skills and knowledge to create data visualisations
- Apply computational and design thinking skills when preparing solution designs and transforming them into a working solution
- Apply computational, design and systems thinking skills when developing solution designs and transforming them into a proof of concept, prototype or product
- Apply systems thinking skills when designing LANs and proposing strategies for reducing security risks

Assessment

Assessment tasks may include:

- Folio of exercises and software solutions
- Oral, multimedia, and visual presentations
- Written reports
- Annotated visual reports
- Case studies with structured questions
- Designs and working models
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Business Systems Designer
- Computer Programmer
- Cybersecurity Analyst
- Data Scientist
- Digital Marketing Officer
- Games Developer
- Health Information Manager
- IT Manager
- Multimedia Developer
- Software Engineer
- Network Engineer
- Robotics Engineer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Biology Units 1 & 2

Each unit is completed over a semester.

Focus of course

This course introduces students to cell theory where the cell as the functional unit of life is examined from single celled to multicellular organisms. The requirements needed for sustained cellular processes, multicellular organism adaptations, digestive system anatomy, homeostatic mechanisms and cellular reproduction strategies are explored. Students also learn to use chromosome theory from classical genetics to interpret and predict genetic outcomes using well established rules for genetic inheritance.

SKILLS TO BE DEVELOPED

- Microscope and cell preparation techniques
- Scientific writing
- Conducting investigations and collecting data
- Analysing data and relating this to studied theories
- Drawing evidence-based conclusions
- Planning investigations
- Developing research questions
- Ability to apply biological knowledge to unfamiliar and complex biological systems

Assessment

Assessment tasks may include:

- Quizzes
- Topic tests
- Research projects
- Practical reports
- Designing and conducting an extended investigation
- Examinations (mid-year and end of year)

Prerequisites for subject

- As per page 6

Possible career applications

- Biotechnologist
- Geneticist
- Immunologist
- Molecular Biologist
- Marine Biologist
- Medical Practitioner
- Physiotherapist
- Radiographer/Medical Imaging
- Sports Scientist
- Zoologist

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Business Management Units 1 & 2

Each unit is completed over a semester.

Focus of course

Businesses of all sizes are major contributors to the economic and social wellbeing of a nation. 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.

SKILLS TO BE DEVELOPED

- Developing research questions
- Research and analyse case studies and contemporary examples of business management.
- Apply business management knowledge to practical and/or simulated business situations.
- Identify business opportunities
- Define, describe and apply relevant business management concepts and terms
- Acquire, record, interpret and share business information and ideas
- Explain the benefits and costs of corporate social responsibility management practices with respect to business planning.
- Develop and construct business plans
- Discuss the decisions made in response to the internal factors that affect a business.

Assessment

Assessment tasks may include:

- Quizzes
- Topic tests
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Advertising Executive
- Brand Manager
- Business Systems Analyst
- Finance Manager
- Human Resource Manager
- Industrial Relations Officer
- Logistics and Supply Chain Manager
- Marketing Manager
- Public Relations Officer
- Risk and Compliance Officer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Chinese First Language Units 1 & 2

Each unit is completed over a semester.

Focus of course

The study of VCE Chinese First Language contributes to the overall education of students, most particularly in the area of communication, but also in the areas of cross-cultural understanding, cognitive development, literacy and general knowledge. It provides access to the cultures of communities which use the language, and promotes understanding of different attitudes and values within the wider Australian community and beyond.

SKILLS TO BE DEVELOPED

- Ability to use Chinese to communicate with others
- Communicate with others in Chinese in interpersonal, interpretive and presentational contexts
- Understanding and appreciation of their own and other cultures
- Understanding of language as a system
- Potential to apply Chinese to work, further study, training or leisure

Assessment

Assessment tasks may include:

- School-based Assessment Coursework (SACs)
- Oral presentation, conversations and discussion
- Listening and responding
- Reading and responding
- Text analysis in Chinese
- Written responses in Chinese
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- International Business Manager
- Investment Analyst
- International Finance
- International Relations/Diplomacy
- Language Teacher
- Lawyer (International law)
- Linguist
- Translating and Interpreting
- Travel Consultant

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Chinese Second Language Advanced Units 1 & 2

Each unit is completed over a semester.

Focus of course

The study of VCE Chinese Second Language Advanced contributes to student personal development in a range of areas including communication skills, intercultural understanding, cognitive development, literacy and general knowledge. Learning and using an additional language encourages students to examine the influences on their perspectives and society, and to consider issues important for effective personal, social and international communication. It enables students to examine the nature of language, including their own, and the role of culture in language, communication and identity.

By understanding the process of language learning, students can apply skills and knowledge to other contexts and languages. Learning a language engages analytical and reflective capabilities and enhances critical and creative thinking.

SKILLS TO BE DEVELOPED

- Communicate with others in Chinese in interpersonal, interpretive and presentational contexts
- Understand the relationship between language and culture
- Learn about language as a system and themselves as language learners
- Understand and appreciate the cultural contexts in which Chinese is spoken

Assessment

Assessment tasks may include:

- School-based Assessment Coursework (SACs)
- Oral presentation, conversations and discussion
- Listening and responding
- Reading and responding
- Text analysis in Chinese
- Written responses in Chinese
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- International Business Manager
- Investment Analyst
- International Finance
- International Relations/Diplomacy
- Language Teacher
- Lawyer (International law)
- Linguist
- Translating and Interpreting
- Travel Consultant

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Classical Studies Units 1 & 2

Each unit is completed over a semester.

Focus of Course

A multidisciplinary subject, Classical Studies is the study of the cultural material of ancient Greece and ancient Rome whose seminal works continue to influence our Western civilisation. A knowledge of the ancient word provides great insight and training for a plethora of other subjects, whether scientific or artistic. In fact, Classical Studies is one of the best subjects for acquiring transferable skills for life beyond school, since students gain career flexibility by developing skills in research, writing, critical analysis and communication.

By studying classical works of ancient Greece, students will explore the composition and nature of ancient Greek society spanning from the Bronze Age through to the Classical period during the 5th Century BC. Deriving from literary, historical and architectural sources, these works provide the framework for analysis of several key aspects of ancient Greek society.

In Unit One, students will explore the nature of ancient Greek myth, with its assortment of supernatural beings and heroes, followed by a study of archaeological sites such as Troy and Knossos, followed by a detailed analysis of the epic poem *The Odyssey.*

In Unit Two, through the lens of Classical Athens and Sparta, students will examine the aspects ancient Greek society itself, such as cultural practices and social customs, as well as landmark events including the Persian Wars and Peloponnesian Wars.

SKILLS TO BE DEVELOPED

- Written expression
- Textual analysis
- Critical analysis
- Public speaking
- Construction of arguments
- Evaluation and comparison skills
- Persuasion and rhetoric skills
- Research and communication skills
- Examinations

Assessment

Assessment tasks may include:

- Short-answer tests
- Area of study tests
- Oral presentations
- Extended response questions
- Research essay
- Semester examination

Prerequisites

- As per page 6

Possible career applications

- International Relations
- Lawyer
- Journalist
- Consultant
- Diplomat
- Political Scientist
- Education
- Research Analyst
- Publisher

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Economics Units 1 & 2

Each unit is completed over a semester.

Focus of course

Unit 1: Students examine basic economic models where consumers and businesses engage in mutually beneficial transactions Students also investigate the motivations and consequences of consumer and business behaviour.

Unit 2: Students focus on the possible trade-off between the pursuit of growth in incomes and production and the goal of environmental sustainability and long-term economic prosperity.

SKILLS TO BE DEVELOPED

- Define key economic concepts and terms and use them appropriately
- Apply economic theory to make economic predictions
- Gather and synthesise information from a wide range of sources to assess the effect of economic decisions on relevant stakeholders
- Construct, interpret and apply economic models to analyse the consequences of economic decisions
- Investigate and evaluate alternative viewpoints on economic issues

Assessment

Assessment tasks may include:

- Quizzes
- Topic tests
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Auditor
- Commodities Trader
- Company Secretary
- Data Scientist
- Economist
- Financial Planner
- Importer/Exporter
- Investment Analyst
- Market Researcher
- Parliamentarian/Advisor

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Geography Units 1 & 2

Each unit is completed over a semester.

Focus of course

VCE Geography Units 1 & 2 enables students to examine natural and human phenomena, how and why they change, their interconnections and the patterns they form across the Earth's surface. Unit 1 examines natural hazards across both a global and national scale, particularly focusing on earthquakes and bushfires. Unit 2 explores tourism, assessing and evaluating the impact of tourism on people, places and the environment. Both units contain days of fieldwork, allowing students to apply their knowledge to real life contexts outside of the classroom.

SKILLS TO BE DEVELOPED

- Development of a sense of wonder and curiosity about people, culture and environments throughout the world
- Development of knowledge and understanding of geographic phenomena at a range of temporal and spatial scales
- An understanding and application of geographic concepts to develop an ability to think and communicate geographically
- An understanding of the complexity of natural and human induced geographic phenomena across the Earth's surface
- The analysis of information and a capacity to make informed judgments and decisions about geographic challenges
- Ability to plan an effective fieldwork sequence in response to a chosen hypothesis

Assessment

Assessment tasks may include:

- End of topic tests
- Group presentations
- Fieldwork reports
- Research projects and case studies
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Agricultural Scientist
- Architect/Landscape Architect
- Engineer
- Environmental Scientist
- Geologist
- Geographic Information Systems Officer
- Forester
- Land and Property Economist
- Surveyor
- Urban and Regional Planner

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Health & Human Development Units 1 & 2

Each unit is completed over a semester.

Focus of course

In these units, students are introduced to health, wellbeing and illness in Australia and the various factors that can impact, both positively and negatively. Students have a particular focus on youth and early adulthood, looking into attitudes and practices across the nation and have an opportunity to pursue a particular area of interest in further detail.

Students also learn about the Australian healthcare system and various initiatives designed to promote health for all and extend their capacity to investigate the challenges and opportunities presented by emerging health technologies such as artificial intelligence, robotics, nanotechnology, three-dimensional printing of body parts and use of stem cells.

SKILLS TO BE DEVELOPED

- Analyse and describe different dimensions of health and wellbeing
- Analyse data to describe and evaluate the current health status of populations
- Use research and data to identify social inequality and areas for improvement in youth health and wellbeing
- Discuss the long term impact of ill health on an individual and community
- Evaluate and create initiatives designed to promote health and wellbeing
- Analyse the role of various organisations in promoting health of individuals and communities
- Research and investigate issues surrounding emerging health procedures and technologies

Assessment

Assessment tasks may include:

- Quizzes
- Visual or digital presentation
- Case studies
- Data analysis tasks
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Audiologist
- Dietitian/Nutritionist
- Health Promotion Practitioner
- Health Information Manager
- Occupational Therapist
- Optometrist
- Osteopath
- Psychologist
- Speech Pathologist

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Legal Studies Units 1 & 2

Each unit is completed over a semester.

Focus of course

In Unit 1, students develop an understanding of legal foundations, such as the different types and sources of law and the existence of a court hierarchy in Victoria. Students investigate key concepts of criminal law and civil law and apply these to actual and/or hypothetical scenarios to determine whether an accused may be found guilty of a crime, or liable in a civil dispute. In doing so, students develop an appreciation of the way in which legal principles and information are used in making reasoned judgments, conclusions about the culpability of an accused, and the liability of a party in a civil dispute.

In Unit 2, students undertake a detailed investigation of two criminal cases and two civil cases from the past four years. They will then form a judgment about the ability of sanctions and remedies to achieve the principles of justice. Students develop their understanding of the way rights are protected in Australia and in another country, and possible reforms to the protection of rights. They examine a significant case in relation to the protection of rights in Australia.

SKILLS TO BE DEVELOPED

- Define key legal terminology
- Research and analyse relevant information about the sources and types of laws
- Explain the role of individuals, laws and the legal system in achieving social cohesion and protecting the rights of individuals
- Classify a law according to its source and type
- Assess whether a law is effective
- Explain the relationship between parliament and the courts, using examples
- Justify the existence of the Victorian court hierarchy
- Apply legal reasoning/principles to identify and argue the elements, possible defences and civil liability in relation to two actual and/or hypothetical scenarios

Assessment

Assessment tasks may include:

- Short answer questions
- Extended response questions
- Case study responses
- Written examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Criminologist
- Police Officer/Detective
- Journalist
- Politician
- Teacher/Lecturer
- Intelligence Officer
- Employee Relations
- Human Resource Manager
- International Relations
- Lawyer (Solicitor/Barrister)
- Media and Communication
- Mediator
- OH&S/Compliance
- Policy Development
- Research Analyst

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Mathematical Methods Units 1 & 2

Each unit is completed over a semester.

Focus of course

This subject is designed to prepare students to study Mathematical Methods Units 3 & 4. It is rigorous and academic in nature and builds on a number of key topic areas tackled previously. Linear, quadratic and trigonometric functions are dealt with in a more formal and abstract manner. Algebraic manipulations are consolidated in the context of a number of new areas of study like logarithmic functions and calculus.

SKILLS TO BE DEVELOPED

- Linear and quadratic relations
- Gallery of graphs
- Functions and relations
- Transformations
- Polynomials
- Rates of change
- Probability
- Exponential and logarithmic functions
- Circular functions
- Differentiation
- Counting and sampling

Assessment

Assessment tasks include:

- Quizzes
- Modelling tasks and investigations
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Actuary
- Astronomer
- Computer Programmer
- Engineer
- Investment Analyst
- Medical Practitioner
- Meteorologist
- Pilot
- Risk Manager
- Surveyor

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Media Units 1 & 2

Each unit is completed over a semester.

Focus of course

In Unit 1 (Media Representations) students will develop their understanding of how media representations in a range of media products and forms from different periods of time, locations and contexts are constructed, distributed, engaged with, consumed and read by audiences. They will learn to use the media production process to design, produce, and evaluate media representations for specified audiences in a range of media forms. Students analyse how the structural features of Australian fictional and non-fictional narratives, in two or more media forms, engage and are consumed and read by audiences.

In Unit 2 (Narrative, Style and Genre) students will analyse the intentions of media creators and producers and the influences of narratives on the audience in different media forms. Students will apply the media production process to create, develop and construct narratives. Students will discuss the influence of new media technologies on society, audiences, the individual, media industries and institutions.

SKILLS TO BE DEVELOPED

- Media literacy
- Critical and analytical thinking skills
- Creativity and expression in media production
- Communication skills
- Collaboration through working in teams
- Applying technical skills and knowledge

Assessment

Assessment tasks may include:

- Audiovisual or video sequences
- Photographs, print layouts or posters
- Presentations using digital technologies
- Short and long answer written responses
- Oral reports
- Tests
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Film Production
- Journalism
- Animation
- Communications
- Media
- Marketing
- Screen Writing

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Modern History Units 1 & 2

Each unit is completed over a semester.

Focus of course

Unit 1: Change and Conflict focuses on the political, economic, social and cultural environment between the late nineteenth century and 1939 that saw the Second World War emerge. The rise of militaristic nation states is considered through the history of Japan and Germany, back to the Meiji restoration and German unification respectively. Russia provides a valuable point of contrast with its ideological Utopian ideals, immediate economic and military threats, and attempts to create the world's first socialist society.

Unit 2: The Changing World Order looks at the post-1945 period focusing on origins and nature of the Cold War, decolonization and nationalist independence movements. This will include the Vietnam wars, both France's First Indochina War 1946-1954 and the US led Second Indochina War 1955-1975. Students also focus on terrorism campaigns and regional conflicts, including FLN (Algeria), Al Qaeda, the Gulf Wars and Wars in Afghanistan.

SKILLS TO BE DEVELOPED

- Construct arguments using primary sources and historical interpretations as evidence
- Evaluate historical significance of events
- Use questions to inform historical inquiry and conduct research
- Explain the ideological beliefs and values in primary sources
- Compare historical interpretations of historians

Assessment

Assessment tasks may include:

- Essays
- Extended responses
- Research reports
- Source analysis tasks

Prerequisites for subject

- As per page 6

Possible career applications

- Archeologist
- Criminologist
- Historian
- International Relations
- Journalist
- Lawyer
- Librarian
- Policy Analyst
- Policy Development
- Publisher
- Research Analyst

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Music Performance Units 1 & 2

Each unit is completed over a semester.

Focus of course

In Music Performance Units 1 & 2, students present solo performances of selected repertoire (culminating in a 15–20 minute recital at the end of each semester) and focus on improving their performance and musicianship skills. Students identify strengths and weaknesses in their performance, and create exercises that aim to consolidate and refine their command of instrumental and presentation techniques.

Students will draw on the expressive elements of music to analyse and compose music in a variety of styles and genre. Throughout each unit, students also study aural and theory concepts in order to develop their musicianship skills, and apply this knowledge when preparing and presenting performances.

SKILLS TO BE DEVELOPED

- Learning, practising, interpreting and rehearsing a program of solo and group works
- Exploring the various aspects that make an effective performance
- Developing strategies and approaches to address individual technical challenges and optimise performance
- Using the expressive elements to analyse and compose music in a variety of styles and genres
- Studying aural and theory concepts to develop musicianship

Assessment

Assessment tasks may include:

- End of semester solo recital
- Technical exercises presentation
- Theory and aural tests
- Analysis
- Composition
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Audiovisual Technician
- Conductor
- Composer
- Director
- Media and Communication
- Multimedia Developer
- Music Critic
- Music Therapist
- Performer
- Sound Engineer

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Politics Units 1 & 2

Each unit is completed over a semester.

Focus of course

In Unit 1, students learn that politics is about how political actors use power to resolve issues and conflicts over how society should operate. Students consider the concept of power by examining why and how political power is used, with special attention to the way national and global political actors exercise power and the consequences of that use. Students examine how power may be used by political actors in various states to achieve their interests, and they focus on a close study of a contested political issue in Australia. Students then investigate the power of global actors, who are able to use power across national and regional boundaries to achieve their interests and cooperate with other actors to resolve conflicts, issues and crises.

In Unit 2, students investigate the key principles of democracy and assess the degree to which these principles are expressed, experienced and challenged, in Australia and internationally. They consider democratic principles in the Australian context and complete an in-depth study of a political issue or crisis that inherently challenges basic democratic ideas or practice. Students also investigate the degree to which global political actors and trends can challenge, inhibit or undermine democracy, and evaluate the political significance of these challenges. Each area of study focuses on concepts that form essential disciplinary knowledge, and which allows students to gradually build on their understanding of what it is to think politically.

SKILLS TO BE DEVELOPED

- Explaining key features of political theory
- Using contemporary examples and case studies
- Analysing the power and influence of political actors
- Developing explanations, arguments and points of view
- Evaluating political issues

Assessment

Assessment tasks may include:

- A political inquiry
- Analysis and evaluation of sources
- A multimedia presentation
- A political debate
- A political simulation
- A political brief
- Extended responses
- Short-answer questions
- An essay
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Lawyer/Barrister
- Intelligence Officer
- International Relations
- Journalist
- Policy Analyst/Developer
- Parliamentarian/Advisor
- Teacher

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Physical Education Units 1 & 2

Each unit is completed over a semester.

Focus of course

The curriculum in this area of study offers students to examine the systems of the human body and how they translate into movement. Through practical activities they explore the major components of the musculoskeletal, cardiovascular and respiratory systems and their contributions and interactions during physical activity. Anaerobic and aerobic pathways are introduced and linked to the types of activities that utilise each of the pathways. Students investigate the role and function of the main structures of each system and how they respond to physical activity, sport and exercise. Using a contemporary approach 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 body systems and how sport and physical activity form part of society.

SKILLS TO BE DEVELOPED

- Participate in a range of physical activities, sports and exercise
- Perform, observe and analyse a variety of movements used in physical activity, sport and exercise to explain the interaction between bones, muscles, joints and joint actions responsible for movement
- Investigate, evaluate and critically analyse a range of performance enhancing practices from a physiological perspective
- Conduct investigations and collect data
- Perform, measure and report on changes to the cardiovascular and respiratory systems at rest compared with exercise
- Identify contemporary issues associated with participation in physical activity and sport

Assessment

Assessment tasks may include:

- Quizzes
- Topic tests
- Research projects
- Practical reports
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Exercise Scientist
- Facilities Manager
- Nutritionist/Dietician
- Outdoor Education Specialist
- Occupational Therapist
- Paramedic
- Physiotherapist
- Sports Manager
- Sports Medicine
- Sportsperson

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Psychology Units 1 & 2

Each unit is completed over one semester.

Focus of course

The aim of this course is to introduce students to the concepts that influence human behaviour and mental processes. Areas of study include influences on:

- development across the lifespan with a focus on cognitive and emotional development
- contributing factors to mental health and wellbeing
- the functioning of the brain and nervous system both in normal healthy people and when brain damage occurs
- visual and taste perception
- individual and group behaviour with a focus on attitude formation, power, obedience and conformity

SKILLS TO BE DEVELOPED

- Connecting psychological theory to examples of human and animal behaviour observable in everyday examples
- Developing research questions
- Planning investigations
- Conducting investigations and collecting data
- Analysing data and relating this to studied theories
- Drawing evidence-based conclusions

Assessment

Assessment tasks may include:

- Topic tests
- Research projects
- Practical reports
- Designing and conducting an extended investigation
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Counsellor
- Criminologist
- Human Resources Manager
- Media and Communication
- Occupational Therapist
- Psychologist
- Public Relations Manager
- Research Analyst
- Social Worker
- Teacher

BRIGHTON GRAMMAR

Year 10 2024 Subject Guide

Visual Communication Design Units 1 & 2

Each unit is completed over a semester.

Focus of course

Students explore a range of 2D and 3D design solutions. Development of folio formats from previous modules will be undertaken through the six allotted outcomes.

Various presentation formats can be selected throughout both units, while exploration of model making, clothing design, communication, environmental and industrial design are encouraged.

Students devise strategies to attempt problem-solving challenges within all realms of design, while looking at 'real world' situations for influence.

SKILLS TO BE DEVELOPED

- Create and present visual communications which explore themes, issues and ideas
- Undertake correct folio formats, with key knowledge in presentation methods
- Analyse and evaluate the purposes and content of visual communications
- Analyse the characteristics and role of visual communications in different cultural contexts
- Understand key social, cultural and ethical factors in design
- Develop skills in 2D and 3D drawing methods

Assessment

Assessment tasks may include:

- Outcome based online summary tests
- Common Assessment Tasks (CATs)
- Class presentations
- Examinations

Prerequisites for subject

- As per page 6

Possible career applications

- Architect
- Animator
- Fashion and Textile Designer
- Graphic Designer
- Industrial Designer
- Multimedia Developer
- Performance Designer (set and costume)
- Spatial Designer (interior/exterior/virtual)
- Special effects
- User Experience (UX) Designer