



Doctrina Vitae

Bacchus Marsh  
Grammar

2025

SENIOR SCHOOL  
HANDBOOK

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**YEAR 9**

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# Senior School

The Bacchus Marsh Grammar Senior School is underpinned by a culture of high expectations and a calm structured learning environment, to ensure that all students achieve their personal best and are well-placed to succeed and thrive in their future endeavours.

Aligned with our ethos of an 'Education for Life', the Senior School provides an academically rigorous program. Students are supported to carefully select their program from a breadth of subjects to maximise their engagement and academic achievement. As well as providing a general pathway to VCE, students are also able to choose specialist pathways to accelerate their senior studies. Limited positions are also available in the Senior School's Vocational Major program.

The Senior School places strong emphasis on the development of self, with opportunities to serve and lead both within the school, and the wider community. Through programs such as the Duke of Edinburgh Award, students develop leadership skills and traits aligned to our School Values and transferable to modern workplaces. Senior Students are encouraged to become involved in the school's many co-curricular activities and leadership opportunities.

Bacchus Marsh Grammar senior students are supported by a team of specialist VCE teachers, tutors, career practitioners and a pastoral care team to achieve their full potential. Our students achieve excellent ATAR (Australian Tertiary Admissions Rank) results. These results are celebrated and demonstrate the students' readiness for their chosen pathway and their capacity to embark on their exciting futures equipped with the knowledge to be life-long learners.

We look forward to working with our students during their Senior years and through this rite of passage. This is a period of time when students will develop their independence and be challenged in their thinking and challenged to explore the opportunities and possibilities for their future.

Tutor Group teachers, classroom teacher and Head of Year will continue to play a pivotal role in the life of Senior School students. We encourage all families to engage in positive and consistent communication with staff to ensure the best outcomes for students.

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## Key Contact Information

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<b>Postal Address</b>	P.O. Box 214, Bacchus Marsh, 3340		
<b>Phone Number</b>	<b>Maddingley Campus</b> (03) 5366 4800	<b>Woodlea Campus</b> (03) 5366 4900	
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<b>Absentee Number</b>	(03) 5366 4888	(03) 5366 4988	
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	<b>Bacchus Marsh Grammar - Maddingley</b> South Maddingley Road Bacchus Marsh, 3340	<b>Bacchus Marsh Grammar – Woodlea</b> 111 Frontier Ave Aintree, 3336	

# The Structure

Year 9 program is comprised of 12 units which is a combination of compulsory (core subjects) and optional units. This course will then lead into their VCE selections, allowing students to pursue their interests and begin refining pathways for the future and to challenge themselves academically. Students should select a course that offers them a wide range of subjects and experiences.

There are requirements for the types of subjects a student is to undertake which ensures they have been exposed to a wide range of subjects prior to VCE. Please refer to the Year 9 Subject Selection Requirements Table on the following page for these details.

Pre-VCE courses are designed to be taken the year before commencing the VCE subject, so care needs to be taken as to when these subjects are selected. Students considering accelerating in a VCE Unit 1 and 2 in Year 10 should keep in mind the **VCE acceleration requirement** (on page 4) if selecting a Pre-VCE subject in Year 9.

## The Inspire Program

Students in Years 9 and 10 are required to take part in the Inspire Program. Throughout the two-year period, each child will be involved in a range of activities during the year which are aligned to Character Education and our school values (Discipline, Leadership, Ambition, Respect, Confidence, Kindness, Knowledge and Wisdom). The Inspire Program aims to:

- help students set goals for their learning and future pathways;
- develop their understanding of study skills, leadership and personal strengths; and
- make stronger links with the community.

In Year 9, students are required to complete the Bronze Duke of Edinburgh International Award. This International Award involves completing a minimum of three months of Physical Activity, three months Community Service, three months learning a skill and participation in an Adventurous Journey (School Camp).

In Year 10, students are encouraged to begin working towards their Silver Duke of Edinburgh International Award. They will continue to be involved in activities that develop their leadership skills and personal strengths.

A requirement of the Inspire Program is that students engage either in a University or Vocational Experience. Tertiary providers regularly offer information sessions and open days for students in Year 10 to attend. These events are made available on individual tertiary provider websites and can also feature in the BMG Careers newsletter: <https://schoolbox.bmg.vic.edu.au/homepage/10908>. These events are of equal value to a vocational work experience placement and are much more accessible. These events are often held as on-campus events but can also be presented in virtual arrangements. Students will need to self-register their attendance at these events and make a record of their participation.

Year 10 students can elect to participate in a vocational work experience placement during the one of the term breaks. The aim of work experience is for students to develop skills in a workplace environment. Students will need to source and arrange this themselves.

## VCE Acceleration

At Bacchus Marsh Grammar, we recommend that all students consider accelerating in a VCE subject if they are academically prepared for the challenge. This means commencing a VCE subject prior to Year 11. This will enable students to develop the skills required for VCE success. It is important to note that any accelerated Unit 3 and 4 subject will contribute to their ATAR.

Students wanting to accelerate in a VCE subject in Year 10 are required to maintain an average grade of B in that subject area and demonstrate a strong approach to study in all subject areas. Continuing in the accelerating VCE subject, students will need to maintain the same requirements. If these are not achieved, students will not be permitted to continue in the VCE accelerated subject and will be required to select another subject.

**VCE acceleration in Year 9 is by invitation only.**

**Please note:** There are some studies where acceleration is **not** recommended:

- Chemistry
- Economics
- English
- Languages
- Mathematical Methods
- Physics
- Specialist Mathematics

**Special note regarding Music and Performing Arts:**

- Music and Performing Arts will require an audition/interview to determine suitability. A high level of technical skill and performance maturity must be demonstrated.

## Subject Selection Process

The Year 9 Program is based on a common core curriculum. However, students are able to personalise their learning programs through the selection of a number of other subject options. We encourage students to make informed choices when planning their Year 9 course, keeping possible VCE pathways in mind.

When selecting subjects, students should consider the following:

- choose subjects that they are good at, enjoy and will find challenging;
- choose subjects that combine to form a balanced program;
- choose a range of subjects that will lead to a suitable VCE pathway;
- be realistic in their aspirations; and
- meet the requirements listed on the following page.

*Note: Please be advised that if student numbers are not met in a particular subject, it may not proceed in 2025.*

### Year 9 Subject Selection Requirements

**Rules:**

- CORE SUBJECT: Year 9 English (a year long subject)
- CORE SUBJECT: Mathematics (a year long subject )
- Semester One Year 9 Mathematics
- Semester Two General Mathematics or Mathematical Methods
- CORE SUBJECT: Year 9 Science (a year long subject)
- CORE SUBJECT: PE/Health (a year long subject)
- CORE SUBJECT: Australian History (one semester)
- Must select one subject from Design & Technology AND/OR Performing Arts & Music AND/OR Visual Arts faculty for breadth

**Other Notes:**

- Selection for the Year 9 acceleration program (completing a Unit 1 and 2) is by invitation only, based on academic performance and approach to studies performance.
- There may be discretionary exemptions to rules for students in the Year 9 acceleration program e.g. if accelerated History, they do not also need to do compulsory Australian History.
- 'Pre-VCE' subjects are available in Year 9 for students considering accelerating in a Unit 1 and 2 VCE subject in Year 10. Students are reminded that they are required to meet the acceleration requirements to accelerate in Year 10. It is recommended that students only take one pre-VCE subject in Year 9.

## Sample Year 9 Pathways

Year 9 Pathway		
	Semester One	Semester Two
<b>1</b>	English	English
<b>2</b>	Maths	Maths - GM/MM
<b>3*</b>	Science	Science
	Physical Education	Physical Education
<b>4</b>	Australian History	Option
<b>5</b>	Option	Option
<b>6</b>	Option	Option

Year 9 Pathway and Languages subject		
	Semester One	Semester Two
<b>1</b>	English	English
<b>2</b>	Mathematics	Mathematics - GM/MM
<b>3*</b>	Science	Science
	Physical Education	Physical Education
<b>4</b>	Australian History	Option
<b>5</b>	Option - Languages	Option - Languages
<b>6</b>	Option	Option

Year 9 Pathway – VCE Baccalaureate		
	Semester One	Semester Two
<b>1</b>	English	English
<b>2</b>	Mathematics	Mathematics - MM
<b>3*</b>	Science	Science
	Physical Education	Physical Education
<b>4</b>	Languages	Languages
<b>5</b>	Australian History	Option
<b>6</b>	Option –	Option –

Year 9 Pathway - VCE Acceleration (by invite only)		
	Semester One	Semester Two
<b>1</b>	English	English
<b>2</b>	Mathematics	Mathematics - GM/MM
<b>3*</b>	Science	Science
	Physical Education	Physical Education
<b>4</b>	Australian History	Option
<b>5</b>	Option	Option
<b>6</b>	Option – VCE Unit 1/2	Option – VCE Unit 1/2

\*Please note that Science and Physical Education run within one block year-long.

## Pathways for VCE Studies available at BMG in 2025

Learning Area	Year 7	Year 8	Year 9	Year 10	Year 11 Unit 1 and 2	Year 12 Unit 3 and 4
English	English	English	<p><b>CORE</b> English Year 9</p> <p><b>OPTION</b> Australian Murder Mysteries in Literature</p>	<p><b>CORE</b> English Year 10</p> <p><b>OPTIONS</b> Pre-VCE Literature Pre-VCE English Language</p>	<p>English</p> <p>English Language</p> <p>Literature</p> <p>Vocational Literacy (Maddingley Only)</p>	<p>English</p> <p>English Language</p> <p>Literature</p> <p>Vocational Literacy (Maddingley Only)</p>
Mathematics	Mathematics	Mathematics	<p><b>CORE</b> Year 9 Mathematics</p>	<p><b>CORE</b> General Mathematics or Mathematical Methods</p>	<p><b>CORE</b> General Mathematics or Mathematical Methods</p>	<p>General Mathematics</p> <p>Mathematical Methods</p> <p>Specialist Mathematics</p> <p>Vocational Numeracy (Maddingley Only)</p>
			<p><b>OPTION</b> Year 9 Advanced Mathematics</p>	<p><b>OPTION</b> Year 10 Advanced Mathematics</p>		
Humanities	History	History	<p><b>CORE</b> Australian History</p> <p><b>OPTION</b> Australia &amp; the World Wars Popular Culture Pre-VCE Germany in the 20<sup>th</sup> Century</p>	<p><b>OPTION</b> Pre-VCE Conflict in Asia Pre-VCE Germany in the 20<sup>th</sup> Century</p>	<p>History- Empires**</p> <p>History- Modern</p>	<p>History- Australian</p> <p>History- Revolutions</p>
	Geography	Geography	<p><b>OPTION</b> Human Geography: Global Issues Pre-VCE Human Geography: Urban Management</p>	<p>Pre-VCE Physical Geography: Dynamic Earth</p> <p>Pre-VCE Human Geography: Urban Management</p>	<p>Geography</p>	<p>Geography</p>
			<p><b>OPTION</b> Ethics</p>	<p><b>OPTION</b> Philosophy</p>		
Commerce			<p><b>OPTION</b> Personal Finance Global Citizenship and Democracy</p>	<p><b>OPTION</b> Accounting and Economics Australian Politics and Legal Studies The Business World VET Certificate II in Workplace Skills</p>	<p>Accounting</p> <p>Australian and Global Politics</p> <p>Business Management</p> <p>Economics</p> <p>Legal Studies</p>	<p>Accounting Global</p> <p>Politics</p> <p>Business Management</p> <p>Economics</p> <p>Legal Studies</p>
Languages	French	French	<p><b>OPTION</b> French Year 9</p>	<p><b>OPTION</b> Pre-VCE French</p>	<p>French</p>	<p>French</p>
	Japanese	Japanese	<p><b>OPTION</b> Japanese Year 9</p>	<p><b>OPTION</b> Pre-VCE Japanese</p>	<p>Japanese</p>	<p>Japanese</p>
	Indonesian* (Maddingley Only)	Indonesian* (Maddingley Only)	<p><b>OPTION</b> Indonesian Year 9 (Maddingley Only)</p>	<p><b>OPTION</b> Pre-VCE Indonesian (Maddingley Only)</p>	<p>Indonesian (Maddingley Only)</p>	<p>Indonesian (Maddingley Only)</p>

Learning Area	Year 7	Year 8	Year 9	Year 10	Year 11 Unit 1 and 2	Year 12 Unit 3 and 4
Science	Science	Science	<p><b>CORE</b> Year 9 Science</p> <p><b>OPTION</b> Health &amp; Disease Developmental Psychology Physics &amp; Chemistry: The study of Light and Matter Environmental Chemistry Pre-VCE Biology Pre-VCE Environmental Pre-VCE Psychology Principles of Aviation (Woodlea Only) Astronomy</p>	<p><b>OPTION</b> Pre-VCE Chemistry Pre-VCE Physics Pre-VCE Biology Pre-VCE Environmental Pre-VCE Psychology Flight Dynamics (WO)</p>	<p>Biology</p> <p>Chemistry</p> <p>Environmental Science</p> <p>Physics</p> <p>Psychology</p>	<p>Biology</p> <p>Chemistry</p> <p>Environmental Science</p> <p>Physics</p> <p>Psychology</p>
			Year 9 Horticulture (Maddingley Only)			
Physical Education, Sport and Health	PE/Health	PE/Health	<p><b>CORE</b> Year 9 PE/Health</p> <p><b>OPTION</b> Year 9 Elite Sport Training Global Health &amp; Development</p> <p>Year 9 Sports Performance Outdoor Education</p>	<p><b>CORE</b> Year 10 PE/Health</p> <p><b>OPTION</b> Year 10 Elite Sport Training Global Health &amp; Development Injury Prevention &amp; Control</p> <p>Year 10 Sports Performance Unit 1 and 2 Outdoor and Environmental Studies (Year 10 Only)</p> <p>Unit 1 and 2 VCE VET Cert III Sport, Aquatics and Recreation</p>	<p>Physical Education</p> <p>Health and Human Development</p> <p>Unit 3 and 4 Outdoor and Environmental Studies (Year 11 only)</p> <p>Unit 3 and 4 VCE VET Cert III Sport, Aquatics and Recreation</p>	<p>Physical Education</p> <p>Health and Human Development</p>
Visual Arts	Art	Art	<p><b>OPTION</b> Year 9 Exploring Art Year 9 Studio Processes Year 9 Photography Year 9 Visual Communication Year 9 Media Studies</p>	<p><b>OPTION</b> Year 10 Art Making &amp; Exhibiting</p> <p>Year 10 Art Creative Practice</p> <p>Year 10 Photography</p> <p>Year 10 Visual Communication</p> <p>Year 10 Media Studies</p>	<p>Art Creative Practice</p> <p>Art Making and Exhibiting</p> <p>Media</p> <p>Visual Communication Design</p>	<p>Art Creative Practice</p> <p>Art Making and Exhibiting</p> <p>Media</p> <p>Visual Communication Design</p>
Design and Technology	Design and Technology	Design and Technology	<p><b>OPTION</b> Year 9 Wood Technology Year 9 Textiles Housing Design &amp; Technology Pre-VCE Mechatronic Systems Pre-VCE CAD and CAM</p>	<p><b>OPTION</b> Year 10 Wood Technology Year 10 Textiles Pre-VCE Mechatronic Systems Pre-VCE CAD and CAM</p>	<p>Systems Engineering</p> <p>Product Design and Technology (Textiles/Wood)</p>	<p>Systems Engineering</p> <p>Product Design and Technology (Textiles/Wood)</p>
	Food Technology	Food Technology	<p><b>OPTION</b> Year 9 Food Technology (Maddingley) Hospitality Café (Woodlea)</p>	<p><b>OPTION</b> Hospitality Café Year 10 Food Technology (Maddingley Only)</p>	<p>Food Studies (Maddingley)</p> <p>VCE VET Hospitality</p>	<p>Food Studies (Maddingley)</p> <p>VCE VET Hospitality</p>
	ICT / Design Technology	ICT / Design Technology	Year 9 Computing – Fundamentals	Computing Advanced Programming	Applied Computing	Software Development

Learning Area	Year 7	Year 8	Year 9	Year 10	Year 11 Unit 1 and 2	Year 12 Unit 3 and 4
Performing Arts & Music	Drama	Drama	OPTION Year 9 Drama I Year 9 Drama II	<u>OPTION</u> Year 10 Drama III Year 10 Drama IV	Drama	Drama
	Music	Music	<u>OPTION</u> Year 9 Music Performance I Year 9 Music Performance II	<u>OPTION</u> Year 10 Music Performance III Year 10 Music Performance IV	VCE VET Music Industry	VCE VET Music Industry
	Dance	Dance	<u>OPTION</u> Year 9 Dance I Year 9 Dance II	<u>OPTION</u> Year 10 Dance III Year 10 Dance IV	Dance	Dance

Please note: Selected Unit 1 and 2 subjects will be on offer to students by invitation only in 2025. Students will not be able to select the accelerated VCE subjects by web preferences. These subjects will be assigned to a student's timetable after the offers have been made. Staff will work with the accelerated students to ensure their subject offerings match their pathway.

\*\* Subject offered to Year 9 Students (double accelerants) at Maddingley Campus.

## Year 9 and 10 Subject Selection Planning Form

Each semester you will complete 6 subjects, totalling 12 subjects over the year.

- Fill in all of the lightly shaded boxes in the table provided below with the following requirements in mind:
  - CORE SUBJECT: Year 9 English (a year long subject).
  - CORE SUBJECT: Mathematics (a year long subject).
    - Semester One Year 9 Mathematics.
    - Semester Two General Mathematics or Mathematical Methods.
  - CORE SUBJECT: Year 9 Science (a year long subject).
  - CORE SUBJECT: PE/Health (a year long subject).
  - CORE SUBJECT: History (one semester).
  - Must select one subject from Design & Technology AND/OR Performing Arts & Music AND/OR Visual Arts faculty for breadth.
- Fill in your reserve subjects in the darker shaded boxes. These subjects are used if your selected preferences are not available.

\* In the table below titled Year 9, enter the subjects you wish to undertake. You must list all your subjects in order of preference, with the subject that you most wish to undertake being listed first. You will complete the subject selection process in the Web Preferences program.

Year 9 Subject Selection Planner		
	Semester One	Semester Two
1	CORE: Year 9 English	CORE: Year 9 English
2	CORE: Year 9 Mathematics	CORE: Circle a Mathematics General Mathematics OR Mathematics Methods
3	CORE: Year 9 Science	CORE: Year 9 Science
	CORE: Year 9 Physical Education	CORE: Year 9 Physical Education
4	CORE: Australian History	OPTION:
5	OPTION:	OPTION:
6	OPTION:	OPTION:

Reserve Subjects (in order of preference)			
1.	2.	3.	4.
5.	6.	7.	8.

## Web Preferences Access Guide

Web Preferences is a web publication that allows students to enter their subject preferences on-line. This access guide details the procedures to access and use Web Preferences.

### Step 1 – Internet Access

Before you begin, make sure that you have access to a computer that has the following: an Internet connection and access to a printer.

Year 9 subject preferences **open Monday 29 July 2024 and close at 9pm Thursday 15 August 2024** (printed forms are due to the Tutor Teachers by Monday 19 August).

### Step 2 – Accessing and logging into Web Preferences

Students will receive an email titled 'Web Preferences Access Guide'.

Select the link provided in the email 'Click to open Web Preferences' to access the Login page.

Enter the Student Access Code and Password provided to you in the email. (Note the entries are case sensitive).

If there is an error in entering either the Student Code or Password, an error message in red text will be displayed at the bottom of the page.

### Step 3 – Home Page

To view the details of each subject available for selection, click on the 'View Subject Details' button.

To continue, click on the button 'Return to Home Page'.

To select or change your preferences, click on the 'Add New Preferences' button.

An Initial Instructions page will appear. Once you have read these instructions click the "Continue" button.

### Step 4 – Subject Preference Selection

On the Preferences Selection page, follow the instructions on this page to select subjects from the drop-down list boxes.

When you have finished, click on the 'Submit Selected Preferences' button.

### Step 5 – Preferences Validation

The 'Preferences Validation' page will display all your preferences in the order you have selected them. If you are happy with your preferences then continue by clicking the 'Submit Valid Preferences' button which will open a page titled 'Preference Receipt'.

**\* Remember to preference in order from the subjects you most wish to do.**

Alternatively, if you would like to make changes to the preferences you have entered, click on the "Cancel" button and this will take you back to the Preferences Selection page.

### Step 6 – Preference Receipt

You can print your 'Preference Receipt' page by clicking on the 'Open Print View' button and clicking the 'Print Receipt' button.

Ensure the printed receipt is signed by both student and parent, then return to the Tutor Teacher by Monday 3rd September.

For your own records, print or download and save a second receipt. To continue, click on the 'Return to Home Page' button.

If you want to change your preferences repeat the process by clicking the 'Add New Preferences' button (you can submit up to three completed preferences by the due date), otherwise exit by clicking the 'Log out' button.

## Year 9 Subject Selection Considerations - Student choices should involve the following considerations.

### Year 9 Subject Requirements

*(Ensure you have fulfilled this)*

- Selected the required core subjects.
- Think how you can select Year 9 subjects to lead into VCE subjects.

**Note:** *If you are considering overseas study or trying for a sporting scholarship in the future, you may require particular subjects as pre-requisites – please do your research.*

### VCE Acceleration

*(Invite only for Year 9 students and preparing for VCE acceleration in Year 10)*

- Select a pre-VCE subject that suits your strengths and abilities.
- Consider the VCE subjects that are appropriate for acceleration in Year 10.
- Think about the other VCE subjects that you will potentially select next year and work out the best option for acceleration in Year 10.

### Suitability of Subjects

*(Academic strengths and interests)*

- What is your current academic performance, effort and ability in your Year 8 subjects?
- Do you enjoy these subjects?
- Does your overall subject selection for Year 9 provide for a balanced workload?
- Try something new!
- Think about which subjects may help develop your skills for VCE subjects.

### Strategic thinking

*(Subjects that maximise your potential and preparedness for VCE)*

- Have you considered subjects that are complementary to each other and your strengths?
- Are you challenging yourself and keeping your options open for the future, eg Maths selection?
- Are you sequencing subjects to lead into required VCE subjects?
- Start considering your future pathways and the subjects that you will need.

***It is the responsibility of the student to carefully consult VTAC for all course information. This includes pre-requisites, selection rank bonuses and additional requirements. Students must use the correct tertiary admissions information based on the year of entry. E.g. Current Year 9 would be accessing VTAC course information, however, this will not be available until August 2026 on the VTAC website.***

# Subject Descriptions

## ENGLISH

**Maddingley Contact Person:** Mrs Karin Kos <[kosk@bmg.vic.edu.au](mailto:kosk@bmg.vic.edu.au)>

**Woodlea Contact Person:** Ms Alanna Kappler <[kapplera@bmg.vic.edu.au](mailto:kapplera@bmg.vic.edu.au)>

### English

In Year 9 English, students develop their skills in reading, creating and exploring a range of texts from different parts of history and the world. Students show their understanding of texts through discussion, comprehension activities and by writing analytical and creative responses. In addition, they study the ideas, themes and narrative techniques in several texts and analyse the ideas and techniques in multiple texts. Students analyse arguments and the use of persuasive language in a range of media texts and they write their own persuasive responses to a topical issue. Students improve their ability to use English expression with a focus on reading, language conventions, personal, analytical and persuasive writing. They undertake regular comprehension and skill building activities, including grammar, vocabulary, spelling, punctuation and writing techniques.

Links to VCE subjects:

- English
- English Literature
- English Language

**Please note:** This subject runs for a full year.

### Australian Murder Mysteries in Literature

In Year 9, students explore Australian fiction and the prevalence of crime fiction in contemporary texts that encourage the voices of popular Australian writers, to include First Nations writing. This subject explores the tropes of crime fiction and its resonance in the Australian physical and cultural landscape. Enabling students to analyse a literary movement that engages them through relatable coming of age ideas that develop concepts relating to self-discovery, the search for truth, and mystery. Students are encouraged to explore how social, cultural and historical settings suggest cultural conflict with broad reaching societal implications through reading of the text and close passage analysis. Students consider cultural values in Australian society through inferential reading of text that explore honesty, humanity, and justice. The subject also extends students through imaginatively creating their own texts to reflect mysterious settings placed in an Australian landscape. They explore the structure for crime fiction writing to extend their own writing style, developing skills that are specific to literary features and devices prominent to this genre.

Links to VCE subjects:

- Literature
- English

**Please note:** This subject runs for one semester. This is one of the options as a pre-requisite for VCE Literature.

## MATHEMATICS

**Maddingley Contact Person:** Dr Debra Penny <[pennyd@bmg.vic.edu.au](mailto:pennyd@bmg.vic.edu.au)>

**Woodlea Contact Person:** Mr Cameron McGregor <[mgregorc@bmg.vic.edu.au](mailto:mgregorc@bmg.vic.edu.au)>

### Mathematics

All students will complete a common Mathematics course in Semester One Year 9. This course is the study of pattern in number, space, logic and structure. Essential mathematical activities include calculating, proving, applying, investigating, modelling and problem-solving. Students will study Rates and Ratio, Probability, Statistics, Indices and Measurement.

Links to VCE subjects:

- Mathematics

**Please note:** This subject runs in Semester One only.

### General Mathematics

During Semester Two, Year 9 students must select either General Mathematics or Mathematical Methods. General Mathematics is more widely accessible and provides for different combinations of student interests. It prepares students for the study of VCE General Mathematics in Year 12 as well as providing essential numeracy skills required for everyday life. Students will study Financial Mathematics, Algebra, Linear Equations and Graphs, Trigonometry and Geometry.

Links to VCE subjects :

- General Mathematics

**Please note:** This subject runs in Semester Two only.

### Mathematical Methods

In Semester Two of Year 9, students must select either General Mathematics or Mathematical Methods. Mathematical Methods is a rigorous mathematics course for students who demonstrate higher levels of competency. There is an emphasis on algebraic skills and for students to think mathematically. It prepares students for the study of VCE Mathematical Methods or Specialist Mathematics. Students will study Linear Equations, Linear Graphs, Geometry, Trigonometry and Algebra.

Links to VCE subjects:

- Mathematical Methods
- Specialist Mathematics
- Chemistry
- Physics

**Please note:** This subject runs in Semester Two only. It is aimed at students with higher competency levels.

### Advanced Mathematics

This subject is designed for capable mathematicians who are intending to study VCE Mathematical Methods and potentially Specialist Mathematics. This course introduces advanced concepts and skills, each taken from the VCE Mathematical Methods or Specialist Mathematics curriculum. It therefore acts as a solid preparation for those aiming for high results in Year 12 Mathematics. Students entering this course are expected to have achieved an overall standard of 'B' grades or above in their current Mathematics course. Students will study Algebra, Linear Programming and Geometry.

Links to VCE subjects:

- Mathematical Methods
- Specialist Mathematics

**Please note:** This subject runs for one semester. It is important that the student's mathematical ability is strong enough to cope with this level of extension. It is recommended that Year 9 Students choose this option if they wish to pursue Year 10 Advanced Mathematics in the following year.

## **VCE Acceleration in Mathematics**

### **General Mathematics Units 1 and 2 (Maddingley and Woodlea Invite Only)**

General Mathematics provides for different combinations of student interests and preparation for the study of General Mathematics Unit 3 and 4. The areas of study for General Mathematics Unit 1 and Unit 2 are: 'Data analysis, probability and statistics', 'Algebra, number and structure', 'Functions, relations and graphs', 'Discrete mathematics' and 'Space and measurement'.

In undertaking these units, students are expected to be able to apply techniques, routines and processes involving rational and real arithmetic, sets, lists and tables and matrices, diagrams and geometric constructions, algebraic manipulation, recurrence relations, equations and graphs. They should have facility with relevant mental and by-hand approaches to estimation and computation. The use of technology is incorporated throughout each unit as applicable.

Links to VCE subjects:

- Unit 3 and 4 General Mathematics

**Please note:** This subject runs for a full year.

## HUMANITIES

**Maddingley Contact Person:** Ms Agata Kula <[kulaa@bmg.vic.edu.au](mailto:kulaa@bmg.vic.edu.au)>

**Woodlea Contact Person:** Mrs Zoe Erickson <[ericksonz@bmg.vic.edu.au](mailto:ericksonz@bmg.vic.edu.au)>

### HISTORY

#### **Australian History (CORE)**

Who is an Australian? How this question has been answered since the mid-19th Century is the focal point of this subject. Students will explore defining moments in the history of our nation such as the experiences of Chinese miners on the goldfields, campaigns such as the Indigenous Civil Rights Movement, and women's rights activism. Students will also chart the end of the White Australia Policy and explore how migration has changed Australia. As students develop their understanding of Australia's past, they will also gain valuable skills in areas such as source analysis and essay writing.

Links to VCE subjects:

- History: Modern
- History: Empires
- History: Australian
- History: Revolutions
- Politics
- Legal Studies

**Please note:** This subject runs for one semester. It is a compulsory subject.

#### **Australia and the World Wars**

The experience of war stands out in human history as a dramatic, destructive, and transformative force. This subject examines the major themes and principal events of both World Wars, with a focus on how these monumental conflicts shaped Australia. Students study key events such as the Gallipoli campaign and the Australian experience of the Western Front, to examine the mythology of the Anzac legend during World War One. Students also study the bombing of Darwin in 1942, the Kokoda campaign, and the experiences of Australian soldiers in Tobruk during World War Two. Students explore how both wars transformed the nation forging a unique identity. Get ready to be captivated by the drama, heroism, and resilience of Australia's wartime story.

Links to VCE subjects:

- History: Modern
- History: Empires
- History: Australian
- History: Revolutions
- Politics
- Legal Studies

**Please note:** This subject runs for one semester.

#### **Popular Culture in the 20th Century**

This subject focuses on popular culture and the idea of imagined meaning, driven by American and Australian social contexts. Topics for investigation include the rise of popular culture through the rapidly increasing mass media of the 1930s, the advent of television from the 1950s, music from the 1960s, and film from the 1970s and 1980s. By exploring the stories of captivating pre-Instagram influencers and trends, students examine how popular culture mirrored and shaped the values, beliefs, and norms of past societies, and its continuing influence in the present.

Links to VCE subjects:

- History: Modern
- History: Empires
- History: Australian
- History: Revolutions
- Politics
- Legal Studies

**Please note:** This subject runs for one semester.

## **Pre-VCE Germany in the 20th Century**

This subject provides students with a fascinating insight into the events that shaped a modern world power, Germany, during the Twentieth Century. The course begins after World War One where students study the impacts of the Treaty of Versailles including its repercussions on both Weimar and inter-war Germany, and the causes of Germany's turn towards dictatorial rule. This leads to an exploration of the reasons for Hitler's rise to power and the impact of Nazism on Germany. Students will understand the impacts of antisemitism and the tragic events of the Holocaust, culminating in a powerful excursion to the Melbourne Holocaust Museum in Elsternwick. In addition, students analyse Germany's re-emergence as a European world power and consider the impact of a divided Germany during the Cold War.

Links to VCE subjects:

- History: Modern
- History: Empires
- History: Australian
- History: Revolutions
- Politics
- Legal Studies

**Please note:** This subject runs for one semester.

## **GEOGRAPHY**

### **Human Geography: Global Issues**

What might happen if we run out of food? How does conflict affect human populations? Will climate change impact on my life? This subject provides students with the opportunity to collect, explore and analyse data relating to human and environmental issues such as these. Students explore well-being, food security, climate change (including natural hazards), and conflict. They examine each issue's role in changing human well-being over time. In addition, students consider responses from various governments and people and evaluate these responses from a sustainability perspective

Links to VCE subjects:

- Environmental Science
- Geography

**Please note:** This subject runs for one semester.

### **Pre-VCE Human Geography: Urban Management**

Students investigate rapidly growing urban populations around the world and consider the impacts of growth on humans and the environment. Students then investigate key management considerations such as the management of natural hazards and human behaviour, whilst promoting human well-being through urban design. Students will explore the impacts of these management decisions through a fieldwork project. Students will be equipped with the skills and knowledge to navigate the challenges and opportunities presented by urbanisation in the modern world.

Links to VCE subjects:

- Geography
- Environmental Science

**Please note:** This subject runs for one semester.

## **ETHICS**

### **Ethics**

How do we make moral decisions and ensure that we maintain an ethical society that is fair and just? In Ethics, students will gain an understanding of, and empathy for, the many complex issues and decisions that face society. Topics covered include theoretical foundations of ethical thinking, ethical debates, morality in society, and dominant and emerging social values. Students will complete tasks that complement classroom discussions of historical and contemporary ethical issues.

Links to VCE subjects:

- English/Literature
- Philosophy
- Legal Studies
- Biology
- History
- Art
- Politics

**Please note:** This subject runs for one semester.

## **VCE Acceleration in Humanities**

### **Empires Units 1 and 2 (Maddingley Invite Only)**

In Empires, students explore the foundations and features of empires and the significant global changes they brought to the wider world in the early modern period. Empires at their core were expansionist, dominating trade and political influence in their regional or global contexts. A range of key factors arising from the social, political, economic, cultural, religious, environmental, and technological features of empires played a role in the ambition and quest for power, prestige, and influence over rival and competing states.

Links to VCE subjects:

- Unit 3 and 4 History: Australian
- Unit 3 and 4 History: Revolutions

**Please note:** This subject runs for a full year.

## COMMERCE

**Maddingley Contact Person:** Mr Jacob Chisari <[chisarij@bmg.vic.edu.au](mailto:chisarij@bmg.vic.edu.au)

**Woodlea Contact Person:** Mrs Zoe Erickson <[ericksonz@bmg.vic.edu.au](mailto:ericksonz@bmg.vic.edu.au)

### Global Citizenship and Democracy

Who holds power in Australia and how is that power distributed and used? Students will explore this question throughout this course as they explore Australia's place in the globe as a modern democracy. Students will develop an understanding of political philosophy and the origins of Democracy with a focus on Australia's democratic system. Students also gain an understanding of human rights, the purpose of the United Nations and the importance of global citizenship. In addition, they also develop an understanding of the implications of Transnational Corporations and the challenges posed to maintain equality and uphold human rights. Students analyse case studies and scenarios in order to demonstrate connections to current events.

Links to VCE subjects:

- Politics
- Legal Studies
- History
- Geography

**Please note:** This subject runs for one semester.

### Personal Finance

Personal Finance will aid students in developing crucial skills, including awareness of financial literacy and financial planning. Students examine a range of issues concerning money and financial choices, exploring realistic contexts and scenarios. Students gain an understanding of the relevance and importance of managing their personal finances. They learn a range of budgeting techniques and strategies in relation to spending, borrowing and investing money wisely. This is a subject that teaches real life skills.

Links to VCE subjects:

- Business Management
- Accounting

**Please note:** This subject runs for one semester.

### VCE Acceleration in Commerce

#### Legal Studies Units 1 and 2 (Woodlea Invite Only)

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.

Through applying knowledge of legal concepts and principles to a range of actual and / or hypothetical scenarios, students develop an ability to use legal reasoning to argue a case for or against a party in a civil or criminal matter. They develop an appreciation of the ability of people to actively seek to influence changes in the law and analyse both the extent to which our legal institutions are effective, and whether the Victorian justice system achieves the principles of justice.

Links to VCE subjects:

- Unit 3 and 4 Legal Studies

**Please note:** This subject runs for a full year.

## LANGUAGES

**Maddingley Contact Person:** Mr Duncan Malcolm <[malcolmd@bmg.vic.edu.au](mailto:malcolmd@bmg.vic.edu.au)>

**Woodlea Contact Person:** Mr François Genicot <[genicotf@bmg.vic.edu.au](mailto:genicotf@bmg.vic.edu.au)>

### Year 9 French

This subject develops the students' ability to understand spoken and written French and also provides students with a direct means of access to the rich and varied cultures of Francophone communities around the world. Studying a language other than English contributes markedly to the overall education of students in the areas of communication, cross-cultural understanding, cognitive development, literacy and general knowledge. A second language is highly valued by universities, desired by employers, and future workplaces will be global ones. Students studying Year 9 French will focus on topics such as learning about Francophone countries and comparing France and Australia, Entertainment: film and music, Advertising, Technology, and Issues which affect teenagers. Students will work in Present, Perfect and Imperfect tenses, use modal verbs and extend their grammatical knowledge of various pronouns in French, question forms, comparatives, superlatives and adjectives. They will further develop their skills in listening, and speaking, grammar, reading and writing.

Links to VCE subjects:

- French

**Please note:** This subject runs for a full year.

**Pre-requisite subjects:** Students must have studied French in Year 8 to select this subject in Year 9.

### Year 9 Japanese

Students work through a range of topics including 'Growing up and Milestones,' 'Nationalities and Languages,' 'Fast food in Japan and Australia,' 'Shopping,' 'Making Plans' and 'City and Country life.' Students will broaden their knowledge of basic Japanese grammar, including the past tense of verbs and adjectives, comparative structures, making polite invitations, giving directions and the use of prepositions. Students learn 23 new kanji characters, as well as consolidate their understanding of katakana characters. Students also develop their skills in reading, writing, speaking, and listening while discussing and learning about elements of traditional and modern culture of Japan.

Links to VCE subjects:

- Japanese

**Please note:** This subject runs for a full year.

**Pre-requisite subjects:** Students must have studied Japanese in Year 8 to select this subject in Year 9.

### Year 9 Indonesian (Maddingley Only)

The Year 9 Indonesian program offers students the opportunity to develop their language skills and their cultural understanding of Indonesia. Continuing to learn this language will provide students with essential communication skills, an intercultural capability and an understanding of the role of language and culture in human communication. Students will study specific topics including sport and entertainment, holidays and celebrations and the environment.

Links to VCE subjects:

- Indonesian

**Please note:** This subject runs for a full year.

**Pre-requisite subjects:** Students must have studied Indonesian in Year 8 to select this subject in Year 9.

## SCIENCE

**Maddingley Contact Person:** Miss Sarah Thomson <[thomsons@bmg.vic.edu.au](mailto:thomsons@bmg.vic.edu.au)>

**Woodlea Contact Person:** Mr Ben Northcott <[northcottb@bmg.vic.edu.au](mailto:northcottb@bmg.vic.edu.au)>

### Science (CORE)

Students in Year 9 Science will complete an integrated science program to extend their Science understanding in the Biological, Earth and Space, Chemical, and Physical Sciences. Throughout the year they will focus on science inquiry skills through the scientific method of developing investigable questions and communication. Students will be provided the opportunities to explain how scientific knowledge is validated and refined and they will analyse the difference ways in which science and society are interconnected.

### Physics and Chemistry: The Study of Light and Matter

Physics is the study of the properties, changes and interactions of matter and energy. This unit investigates how energy is related to light and the origins of the Universe. Students will learn how the big bang theory models the origin and evolution of the universe and analyse the supporting evidence for the theory. They will discuss the wave and particle models of energy transfer for understanding light, investigate the electromagnetic spectrum with a focus on the visible region of light and other forms of electromagnetic radiation. They will also learn how natural radioactive decay will be described to see how this results in stable atoms, including the understanding of isotopes and radiocarbon dating. Students will also learn of the factors that affect the rates of chemical reactions.

Links to VCE subjects:

- Chemistry
- Physics

**Please note:** This subject runs for one semester.

Before completing Pre-VCE Chemistry it is recommended that you complete either Environmental Chemistry or Physics and Chemistry: The Study of Light and Matter.

Before completing Pre-VCE Physics it is recommended that you complete Physics and Chemistry: The Study of Light and Matter as a pre-requisite.

### Environmental Chemistry

Environmental science interacts with Chemistry when investigating ideas about minimising the amount of unusable waste products, energy use and using more environmentally friendly chemical processes in industry. Chemistry is the study of matter, analysing its structure, properties and behaviour to see what happens when they change in chemical reactions. Students will identify Earth as a system, describing Earth's spheres and discussing examples of interactions between different spheres, they will also examine the carbon cycle and explain the role of photosynthesis and respiration in that cycle. Combustion reactions including the law of conservation of mass will be completed, as well as the impact of combustion reactions as a result of human activity on the carbon cycle. Students will investigate the greenhouse effect and relate it to the role carbon dioxide plays in maintaining temperatures that support life on Earth.

Links to VCE subjects:

- Chemistry
- Environmental Science

**Please note:** This subject runs for one semester.

Before completing Pre-VCE Chemistry it is recommended that you complete either Environmental Chemistry or Physics and Chemistry: The Study of Light and Matter.

Before completing VCE Environmental Science it is recommended that you complete Environmental Chemistry or Pre-VCE Environmental Science.

## Health and Disease

Biology is the study of life and we live in the age when the focus on health and the way to minimise disease is paramount. Students learn about various types of pathogens and microbial techniques that assist in the identification of disease. The immune system is explored and students discover how the human body fights diseases. Prevention and treatment of diseases are also covered in this subject.

Links to VCE subjects:

- Biology

**Please note:** This subject runs for one semester. Before completing VCE Biology it is recommended that you complete either Pre-VCE Biology or Health and Disease as a pre-requisite.

## Developmental Psychology

This course aims to provide foundation knowledge of psychological human development and research methods used in this area. The physical, social, cognitive, and personal aspects of development across the lifespan are considered, taking into account individual differences and the factors that shape our own identity. Theories, models and concepts using the biopsychosocial framework will be drawn upon so that students develop a scientific understanding of the viewpoints affecting human development.

Links to VCE subjects:

- Health and Human Development
- Psychology

**Please note:** This subject runs for one semester. Before completing VCE Psychology it is recommended that you complete either Developmental Psychology or Pre-VCE Psychology as a pre-requisite.

## Astronomy

Students will develop an understanding of different types of celestial objects and how we make observations from earth. They will learn how different types of telescopes work and how we use them to observe objects in the sky. Students will also undertake a study of planets and moons, including those in our own solar system and how we detect exoplanets around other stars. They will look into the structure of our universe and investigate different types of stars, their life cycle.

Links to VCE subjects:

- Physics

**Please note:** This subject runs for one semester.

## Horticulture (Maddingley Only)

The Horticultural Studies elective takes an interdisciplinary approach to the exploration of food and fibre production, with an overarching focus on land cultivation and the raising of plants and animals through evidence-based, sustainable and ethical practices. Students consider the role of horticulture from local, state, national and global perspectives.

The interdisciplinary nature of the elective enables students to develop their decision-making and problem-solving skills by applying scientific methods of testing and monitoring, collecting and analysing relevant data, and researching current issues and best-practice case studies. Students conduct primary and secondary research to design and evaluate sustainable practices, understand challenges and current issues, propose solutions and determine best practice.

Practical tasks are integral to Horticultural elective and may include: plant and/or animal management; scientific trials, experiments and data analysis; business or entrepreneurial practices including value-adding activities; investigative reporting on best practice; and virtual reality experiences.

The elective is based at the Staughton Vale Campus, and follows a VET style approach of a one day immersion model.

Links to VCE subjects:

- VET

**Please note:** This subject runs for one semester.

## Principles of Aviation (Woodlea Only)

In Principles of Aviation students are introduced to unmanned aircraft and the safety operation laws as enforced by CASA. Students are taught a variety of manoeuvres in the operation of drones, including launch, hover, recover, and flying in vertical and horizontal rectangles. Students learn the chemistry of rechargeable batteries and consider the broader implications of the aviation industry on the environment including methods of improving the sustainability aircraft. In POA students will learn how the weather can impact the safe operations of aircraft, and how to interpret Mean Sea Level charts as well as meteorological forecasts and reports.

Links to VCE:

- Chemistry
- Physics
- Environmental Science
- Geography
- Systems Engineering

**Please note:** This subject runs for one semester.

## Pre-VCE Biology

Biology is the science of living things. Living things have found ways to live in all the habitats found on Earth. Biology is the study of these organisms and the strategies that they have evolved to enable them to survive and interact with the non-living environment. This subject is designed to prepare students for the study of Biology at VCE level and provides them with the fundamentals of study in terms of content knowledge and skills.

Links to VCE subjects:

- Biology

**Please note:** This subject runs for one semester. Before completing VCE Biology it is recommended that you complete either Pre-VCE Biology or Health and Disease as a pre-requisite.

## Pre-VCE Environmental Science

Pre-VCE Environmental Science provides the opportunity for students to understand the structure, function and diversity of natural ecosystems on this planet and evaluate the impact of human activities on them. Students examine strategies to maintain and protect the ecological health of the environment while meeting the needs and desires of human populations. Environmental Science investigates the interactions between natural and human systems. Students study the Earth's spheres and how they interact with biogeochemical cycles. They also gain practical experience in monitoring ecosystems.

Links to VCE subjects:

- Environmental Science
- Geography

**Please note:** This subject runs for one semester.

## Pre-VCE Psychology

Pre-VCE Psychology introduces students to the study of human behaviour and mental processes. Students explore the various theories and scientific skills related to cognitive psychology. Students develop an understanding of the brain and the connection between psychological theories and the real-world applications. Students have the opportunity to design and conduct first-hand investigations into human behaviour.

Links to VCE subjects:

- Psychology

**Please note:** This subject runs for one semester.

## **VCE Acceleration in Science**

### **Environmental Science Units 1 and 2 (Maddingley and Woodlea Invite Only)**

VCE Environmental Science enables students to understand Earth as a set of four interdependent systems: the atmosphere, biosphere, hydrosphere and lithosphere. Students explore how the relationships between these systems produce environmental change over a variety of time scales. They investigate the extent to which humans modify their environments and the consequences of these changes in local and global contexts with a focus on pollution, biodiversity, energy use and climate change.

An important feature of VCE Environmental Science is the opportunity for students to undertake laboratory investigations, fieldwork that may also involve the use of technologies and sampling techniques, case studies, simulations and practical investigations. Students pose questions, formulate hypotheses, collect and analyse data, evaluate methodologies and results, justify conclusions and communicate their findings. They investigate and evaluate issues, changes and alternative proposals by considering both longer and shorter term consequences for the individual, the environment and society. In Units 1 and 2, students study the following: How are Earth's systems connected? How can pollution be managed?

Links to VCE subjects:

- Unit 3 and 4 Environmental Science

**Please note:** This subject runs for a full year.

## PHYSICAL EDUCATION AND HEALTH

**Maddingley Contact Person:** Mr Bryce Durham <[durhamb@bmg.vic.edu.au](mailto:durhamb@bmg.vic.edu.au)>

**Woodlea Contact Person:** Mr Evan Long <[longe@bmg.vic.edu.au](mailto:longe@bmg.vic.edu.au)>

### PE/Health

Health and Physical Education empowers students to develop the skills, understanding, and motivation needed to positively impact their own health and wellbeing, as well as that of their communities. Through this subject, students will learn to assess their own fitness and physical activity levels, while identifying factors that influence their motivation to stay active.

Students will master complex movement and manipulative skills and evaluate individual and group tactics and movement patterns in various activities, including fitness, throwing and catching sports, kicking sports, and racquet sports. They will explore the concepts and dimensions of health and wellbeing, gaining a comprehensive understanding of what contributes to a healthy lifestyle.

Additionally, students will examine different types of relationships, learning to recognise the characteristics of healthy and respectful relationships. They will explore diverse identities and discuss strategies for challenging biases and promoting inclusion. The curriculum also covers health and sexuality, with a focus on topics relevant to young people, such as respectful relationships, contraception, and sexually transmitted infections.

Links to VCE subjects:

- Physical Education
- Health and Human Development

**Please note:** This subject runs for a full year.

### Sports Performance

This course is aimed at providing students with both theoretical and practical insight into fields of Exercise and Sport Science such as physiology and sport psychology. Students will study the components of fitness, psychological strategies to enhance performance, as well as training methods and training principles. The topics covered will enable students to prepare for VCE Physical Education as well as assisting students to develop an understanding of the human body and skills that will allow them to improve their level of fitness and sporting performance.

Links to VCE subjects:

- Physical Education

**Please note:** This subject runs for one semester.

### Global Health and Development

Global Health and Development provides students with the opportunity to explore the interrelationships between health and development. Students will analyse the impact of a range of environmental factors that contribute to variations in health and developmental outcomes. Students will be able to evaluate the role of government and international agencies to optimize health and development globally. Students will understand the burden of disease in developing countries in comparison to Australia. They will then analyse the reasons for the differences and the impact on developmental outcomes.

Links to VCE subjects:

- Health and Human Development

**Please note:** This subject runs for one semester.

### Outdoor Education

This course explores a range of outdoor environments whilst focusing on human interactions across these environments. Students will engage in practical experiential learning, drawing on the curriculum explored in class. These practical experiences may include recreational and adventurous activities that explore interactions between the different environment types, with an outlook in conservation and sustainability. This subject allows students have an introduction into the VCE Outdoor and Environmental Studies Unit 1-4 curriculum and gain an understanding of the knowledge and skills required in this subject area.

Links to VCE subjects:

- Outdoor and Environmental Studies

**Please note:** This subject runs for one semester. This subject includes a course levy (TBA).

## Elite Sports Training (Maddingley Invite Only)

Elite Sports Training is a course consisting of two elective units of study, each with a duration of one semester. Students will gain an understanding of the importance of specific strength and conditioning programs and exercises for athletes within chosen sports. They will learn to identify and explain the relationship between physical activity, muscle fatigue and recovery. Students will also identify the need for specific lifting programs to improve sporting performance. Muscular skeletal screenings as well as prehabilitation and rehabilitation programs will also be a focus for all athletes.

Links to VCE subjects:

- Physical Education

**Please note:** This subject runs for one semester. This is a selection based subject and is aimed at elite sports athletes. Completion of a fitness test and a written application prior to acceptance is compulsory.

## Elite Sports Training (Woodlea Invite Only)

The Elite Sports Program is designed to equip students with the skills, knowledge, and inspiration necessary to excel in various sporting disciplines. By engaging with top-tier training programs and interacting with professional athletes and experts, students will gain a comprehensive understanding of elite sports performance and its multifaceted components. Students will participate in strength and conditioning sessions facilitated by Western United Football Club, where they will learn to develop their physical fitness and athletic expertise. The program includes mentorship and coaching sessions with various professional sportsmen and sportswomen from the Woodlea Soccer Academy. Through these theoretical and practical experiences, students will be able to assess and refine their fitness levels, understand the importance of periodised training, and apply techniques used by professional athletes to enhance their performance.

Links to VCE subjects:

- Physical Education

**Please note:** This subject runs for one semester. This is a selection based subject and is aimed at elite sports athletes. Completion of a fitness test and a written application prior to acceptance is compulsory.

## VCE Acceleration in Physical Education and Health

### Health and Human Development Units 1 and 2 (Maddingley Invite Only)

VCE Health and Human Development takes a broad and multidimensional approach to defining and understanding health and wellbeing. Students investigate the World Health Organization's definition and other interpretations of health and wellbeing. Students examine health and wellbeing and human development as dynamic concepts, subject to a complex interplay of biological, sociocultural and environmental factors, many of which can be modified by healthcare and other interventions. Students consider the interaction of these factors, with particular focus on the social factors that influence health and wellbeing.

Students consider Australian and global contexts as they investigate variations in health status between populations and nations. They look at the Australian health care system and research what is being done to address inequalities in health and development outcomes. They examine and evaluate the work of global organisations such as the United Nations and the World Health Organization, as well as non-government organisations and the Australian government's overseas aid program. In Units 1 and 2, students study the following: Understanding Health and Wellbeing and Managing Health and Development.

Links to VCE subjects:

- Unit 3 and 4 Health and Human Development

**Please note:** This subject runs for a full year.

## VISUAL ARTS

**Maddingley Contact Person:** Mrs Peta Griffith <[griffithp@bmg.vic.edu.au](mailto:griffithp@bmg.vic.edu.au)

**Woodlea Contact Person:** Mr Anthony Cunsolo <[cunsoloa@bmg.vic.edu.au](mailto:cunsoloa@bmg.vic.edu.au)

### Studio Process

In this subject, students are given opportunities to engage with various materials, techniques, and art forms. Students will investigate the way backgrounds, experiences, identity, stories, feelings, fears and interests drives art making. Students will learn about the use of aesthetic qualities within an artist's life journey. Students will create a theme-based folio, exploring a chosen artform and subject matter. Finally, students step into the role of curator by prepare their work for exhibition.

Links to VCE subjects:

- Art Creative Practice
- Art Making and Exhibiting

**Please note:** This subject runs for one semester.

### Exploring Art

In this subject, students will investigate the structure of artworks by analysing the physical and visual characteristics that artists use in a variety of artforms. Students will select and established artist as inspiration to investigate the use of materials and techniques to create their own artworks. To form the basis of their artistic inquiry, students will make a series of artworks, that demonstrate their understanding and knowledge around the characteristics of different artforms, with a consideration to health and safety practices.

Links to VCE subjects:

- Art Creative Practice
- Art Making and Exhibiting

**Please note:** This subject runs for one semester.

### Photography

This subject encourages students to explore the concepts and techniques associated with photography and digital art through the studio process. Students learn to use specialist digital photography equipment and software to develop their knowledge of subject matter, influences, and sources of inspiration in the creation of their own artworks. Students develop an understanding of photography as an art form through creating their own work and analysing the work of photographic artists. They explore the rapidly developing field of digital art and investigate the ways in which new technologies can influence contemporary art forms. Links to VCE subjects (including other departments)

Links to VCE subjects (including other departments)

- Art Creative Practice
- Art Making and Exhibiting
- Media

**Please note:** This subject runs for one semester.

### Visual Communication

Visual Communication Design is distinct in its study of visual language and the role it plays in communicating ideas, solving problems and influencing behaviours. They choose and combine manual and digital methods, media and materials with design elements and principles to specific contexts, purposes and audiences. Creative, critical and reflective thinking techniques support students to progress through a design process as they generate and develop ideas for their folio working to a set brief. Throughout the semester students explore manual and digital methods using industry standard software from the Adobe Creative Cloud, preparing them for VCE Visual Communication Design.

Links to VCE subjects:

- Visual Communication Design

**Please note:** This subject runs for one semester.

## Media Studies

In Media Studies, students prepare and document a media production design plan for a media film product based on their chosen genre. Students develop their production skills using technology within a collaborative team. They also explain the production process within film. Students analyse the construction of codes and conventions evident in a media narrative and explain how narratives are constructed and distributed, and how they are engaged, consumed and read by intended audiences.

Links to VCE subjects:

- Media

**Please note:** This subject runs for one semester.

## DESIGN AND TECHNOLOGY

**Maddingley Contact Person:** Ms Phillippa Loton <[lotonp@bmg.vic.edu.au](mailto:lotonp@bmg.vic.edu.au)>

**Woodlea Contact Person:** Mr Vishrut Gupta <[guptav@bmg.vic.edu.au](mailto:guptav@bmg.vic.edu.au)>

### HOSPITALITY and FOOD

#### **Food Technology (Maddingley Only)**

Understanding Food aims to extend on the skills and knowledge acquired in the previous compulsory subject of Food Studies in Years 7 & 8, further developing life skills in food selection and preparation. Students will undertake a variety of practical and theoretical lessons which will allow them to understand the processes occurring during the various methods of cooking, the changes that occur to the food during cooking and foods most suited to each of the cooking methods. Students research recipes of a multicultural nature and present a dish as part of a multicultural banquet. Students will start to cook recipes of greater difficulty and produce two courses in most practical classes. Students will work with design briefs and learn to select recipes that meet these scenarios which may include the dietary needs of particular groups in our society.

Links to VCE/VET subjects:

- Food Studies
- VCE VET Hospitality

**Please note:** This subject runs for one semester.

#### **Year 9 Hospitality Café (Woodlea Only)**

In Hospitality Café, students learn and develop the skills required to work in the hospitality industry. Skills taught include espresso coffee making, preparing non-alcoholic beverages, cash handling, providing advice to customers on dietary requirements and food service skills. Students complete a number of theoretical and practical tasks to demonstrate their underpinning knowledge, and learn the techniques and processes required to work in a café or restaurant environment. This subject allows students to gain an insight into further study in the subject area of VCE VET Hospitality.

Links to VCE/VET subjects:

- VCE VET Hospitality

**Please note:** This subject runs for one semester. It is highly recommended that this subject is completed if considering VCE VET Hospitality.

### DIGITAL TECHNOLOGY

#### **Year 9 Computing – Fundamentals**

ICT is a huge industry in Australia and worldwide and there is a growing demand across all industries. In this subject, students explore cyber security, game development and programming. In this subject, students explore industry fundamentals to increase their awareness of different opportunities. As well as an introduction to coding at a beginner's level. Students will also create computer games using code and develop skills to manage their final project using a project methodology improving both their organisation and collaboration skills.

Links to VCE subjects:

- Applied Computing
- Systems Engineering

**Please note:** This subject runs for one semester

## **DESIGN TECHNOLOGY**

### **Pre-VCE CAD and CAM Design**

Computer Aided Design (CAD) is used for creating visual and spatial information in industrial, mechanical, construction, manufacturing, architectural 3D games and many other design fields. CAD is an essential tool used to explore both form and function of design ideas. Computer Aided Manufacturing (CAM) is used to manufacture the CAD product. 3D printing, Laser Cutting and CNC routing are examples of CAM that students can access to fabricate their designed products. This course enables students to create 3D computerized designs and fabricate a prototype or final product. Students will complete a number of CAD and CAM projects while using the Design Technology process of investigating, designing, producing and evaluating. Students will use a journal to record all steps involved in the production sequence: research, sample pieces, final product and a product self-evaluation.

Links to VCE subjects:

- Systems Engineering
- Product Design & Technology – Wood
- Product Design & Technology – Textiles
- Visual Communication Design

**Please note:** This subject runs for one semester.

### **Textile Design**

In this subject, students discover the origins and environmental impacts of natural and man-made fibres. Through practical experiences using a range of equipment, students develop both hand and machine sewing skills. Students use and modify commercial patterns, draft their own patterns and develop an understanding of the properties of various materials. Students create process samples and document idea development in a design folio to demonstrate an understanding of the product design process. Students complete two practical tasks – a cushion and a pair of pyjamas – and undertake research into dyeing methods, such as using indigo dye and Japanese shibori methods.

Links to VCE subjects:

- Product Design & Technology – Textiles
- Product Design & Technology – Wood

**Please note:** This subject runs for one semester

### **Wood Technology**

Wood Design aims to develop a student's foundation woodworking skills with a focus on the design and production of functional objects in wood. Students will develop essential fundamental woodworking skills and manufacturing techniques. Students will complete a number of design projects while using the design technology process of investigating, designing, producing and evaluating. Students will use a journal to record all steps involved in the production sequence: research, sample pieces, a final product and a product self-evaluation.

Links to VCE subjects:

- Product Design & Technology - Wood

**Please note:** This subject runs for one semester.

### **Pre-VCE Mechatronic Systems**

The Mechatronic Systems course is a sample of VCE Systems Engineering, requiring students to draw on theory of mechanical and electronic principles to design an integrated system that solves a real world problem. Students will design products with electronic and control circuitry that interacts with humans and/or its environment, while using the Design Technology process of investigating, designing, producing and evaluating. Students will use a journal to record all steps involved in the production sequence: research, sample pieces, final products and a product self-evaluation. Examples of past student work include a Theremin synthesizer, an Automatic dog feeder, a James Turrell inspired light installation, a car park reversing sensor system and a Retro arcade gaming booth.

Links to VCE subjects:

- Systems Engineering
- Physics
- Product Design & Technology – Wood
- Product Design & Technology – Textiles

**Please note:** This subject runs for one semester.

## Housing Design and Technology

Housing Design and Technology provides an opportunity for students to explore the materials, engineering principles, aesthetics and sustainability factors influencing the design and construction of housing. Students use STELR sustainable housing kits to collect data demonstrating the influence of common building materials and building orientation on energy efficiency. Students conduct research into Australian historical and contemporary architectural designs and materials, including traditional indigenous housing. Students undertake a major design project, creating their own housing design in response to a design brief. Students record creative and critical thinking techniques in a design folio, demonstrating their exploration of the design process. Computer aided design (CAD) software is used to develop original housing designs leading students to create a 3D mock-up of their original housing design solution.

Links to VCE subjects:

- Product Design & Technology – Textiles
- Product Design & Technology – Wood
- Systems Engineering

**Please note:** This subject runs for one semester.

## PERFORMING ARTS AND MUSIC

**Maddingley Contact Person:** Mrs Jo Porch <[porchj@bmg.vic.edu.au](mailto:porchj@bmg.vic.edu.au)> Mr Troy Westgarth (Music) <[westgarth@bmg.vic.edu.au](mailto:westgarth@bmg.vic.edu.au)>

**Woodlea Contact Person:** Ms Suzanne Kinsella (Music) <[kinsellas@bmg.vic.edu.au](mailto:kinsellas@bmg.vic.edu.au)>

### Dance I

In Semester One, Dance in Year 9 provides students with opportunities to develop and improve their physical skills and technique. It allows the students to develop a variety of approaches to dance-making (choreography) and performance as well as enabling them to observe, experience and write about dance in an analytical, critical and reflective manner. Students will explore different styles of dance and study artists who developed these styles. Students are required to choreograph solo or duo dance works and perform a learnt group work requiring technique and performance skills.

Links to VCE subjects:

- VCE Dance

**Please note:** This subject runs for one semester. Students should have some level of prior dance experience before selecting this subject.

### Dance II

In Semester Two, Dance in Year 9 provides students with opportunities to extend upon the skills developed and further refine their technical skills and the movement creation process. It allows students to develop and improve their physical skills and technique while exploring a variety of approaches to dance-making (choreography) and performance, including the study of the elements of movement. Students will explore different styles of dance and study artists who developed these styles. Additionally, students will observe, experience, and write about dance in an analytical, critical, and reflective manner. They are required to choreograph solo or duo dance works and perform a learned group work, demonstrating their technique and performance skills.

Links to VCE subjects:

- VCE Dance

**Please note:** This subject runs for one semester. Students should have some level of prior dance experience before selecting this subject.

### Drama I

In Semester One Drama in Year 9 develops students' creative, collaborative, analytical and performance skills. Using a variety of drama techniques including but not limited to Laban and Stanislavski. Theatre styles are explored that include the many conventions of Commedia dell'Arte and Physical theatre. Through this students explore the power of dramatic movement and improvisation to devise a comic ensemble performance. They learn how character may be interpreted and performed using the techniques of a monologue performance. Students describe and evaluate the purpose and processes of their practical work, as well as experiencing a professional performance which they must analyse and evaluate in extended written responses. This encourages them to develop the academic language of analysis and extend their vocabulary which can be applied in both VCE Drama and other subject areas.

Links to VCE subject:

- VCE Drama

**Please note:** This subject runs for one semester.

### Drama II

In Semester Two Drama in Year 9 continues to develop students' creative, collaborative, analytical and performance skills. Theatre styles are explored that include Verbatim and Epic theatre. Through this, students explore the social and cultural impact drama can have. Students perform a variety of works to diverse audiences. Students describe and evaluate the purpose and processes of their practical work, as well as experiencing a professional performance which they must analyse and evaluate in extended written responses. This encourages them to develop the academic language of analysis and extend their vocabulary which can be applied in both VCE Drama and other subject areas.

Links to VCE subject:

- VCE Drama

**Please note:** This subject runs for one semester.

## Music Performance I

Year 9 Music Performance is aimed at developing the students' skills in both music performance and music literacy. Students are provided with the opportunity to refine their performance craft, both individually and in a class ensemble, in addition to furthering their knowledge and skills in the areas of music theory, analysis, and aural studies. Students begin to develop a personal style and become more independent in their approach to exploring, developing, and refining their instrumental skills. Performances are essential components of this course and are assessed regularly.

**Pre-requisite:** Students are encouraged to engage in private music tuition for their chosen instrument (including voice) and should continue private lessons throughout the course. Ideally, students should complete all four semesters of Music (Year 9-10) consecutively to ensure ample preparation for VCE/VET Music Industry (Performance) coursework.

Links to VCE subject:

- Music Industry

**Please note:** This subject runs for one semester.

## Music Performance II

Building on the foundation established in Music Performance I, Music Performance II continues to develop the students' skills in both music performance and music literacy. Students further refine their performance craft, both individually and in a class ensemble, and enhance their knowledge and skills in music theory, analysis, and aural studies. As they progress, students continue to develop their personal style and become more independent in their exploration, development, and refinement of instrumental skills. Performances remain essential components of this course and are assessed regularly. By ensuring a smooth progression from Music Performance I to Music Performance II, students are better prepared for more advanced coursework and performance opportunities.

**Pre-requisite:** Students are encouraged to engage in private music tuition for their chosen instrument (including voice) and should continue private lessons throughout the course. Ideally, students should complete all four semesters of Music (Year 9-10) consecutively to ensure ample preparation for VCE/VET Music Industry (Performance) coursework.

Links to VCE subject:

- Music Industry

**Please note:** This subject runs for one semester.



Doctrina Vitae

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