

2024

# SENIOR SCHOOL HANDBOOK

**Year 9**



## Table of Contents

<b>SENIOR SCHOOL</b>	<b>3</b>
<b>KEY CONTACT INFORMATION</b>	<b>3</b>
The Structure	4
The Values Program	4
VCE Acceleration	4
Subject Selection Process	5
Year 9 Subject Selection Requirements	5
Sample Year 9 Pathways	5
Pathways for VCE Studies available at BMG in 2024	7
Year 9 and 10 Subject Selection Planning Form	9
Web Preferences Access Guide	10
<b>SUBJECT DESCRIPTIONS</b>	<b>12</b>
ENGLISH	12
English	12
MATHEMATICS	12
Mathematics	12
General Mathematics	12
Mathematical Methods	12
Advanced Mathematics	13
VCE Acceleration in Mathematics	13
General Mathematics Units 1 & 2 (Invite only)	13
HUMANITIES	13
HISTORY	13
Australian History (CORE)	13
Australia and the World Wars	14
Pre-VCE Conflict in Asia	14
Popular Culture in the 20th Century	14
Pre-VCE Germany in the 20th Century	14
GEOGRAPHY	15
Human Geography: Global Issues	15
Physical Geography: Dynamic Earth	15
COMMERCE	15
Global Citizenship and Democracy	15
Personal Finance	15
ETHICS	16
Ethics	16
LANGUAGES	16
Year 9 French	16
Year 9 Indonesian*	16
Year 9 Japanese	17
VCE Acceleration in Humanities	17
Empires Units 1 & 2 (Invite only)	17
SCIENCE	17
Science (CORE)	17
Physics and Chemistry: The study of Light and Matter	18
Environmental Chemistry	18
Health and Disease	18
Developmental Psychology	18

Pre-VCE Biology _____	19
Pre-VCE Environmental Science _____	19
Pre-VCE Psychology _____	19
VCE Acceleration in Science _____	19
Environmental Science Units 1 & 2 (Invite only) _____	19
PHYSICAL EDUCATION, SPORT and HEALTH _____	20
PE/Sport/Health _____	20
Sports Performance _____	20
Global Health and Development _____	20
Outdoor Recreation and Sustainability _____	20
Elite Sports Training (Invite only) _____	21
VCE Acceleration in Physical Education, Sport and Health _____	21
Health and Human Development Units 1 & 2 (Invite only) _____	21
THE ARTS and TECHNOLOGY _____	21
VISUAL ARTS _____	21
Art – Studio Process _____	21
Digital Art and Photography _____	22
VisComm _____	22
Media Studies _____	22
VCE Acceleration in The Arts and Technology _____	22
Media Units 1 & 2 (Invite only) _____	22
HOSPITALITY and FOOD _____	23
Food Technology _____	23
DIGITAL TECHNOLOGY _____	23
Computing - Games Programming _____	23
DESIGN TECHNOLOGY _____	23
CAD and CAM Design _____	23
Flight Technology _____	24
Textile Design _____	24
Wood Technology _____	24
PERFORMING ARTS _____	24
Dance _____	24
Drama _____	25
Music _____	25
VCE Acceleration in Performing Arts _____	25
Dance Units 1 & 2 (Application only) _____	25
Drama Units 1 & 2 (Application only) _____	25
VCE/VET Music Industry Units 1 & 2 (Application only) _____	25

## 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, which are 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 pathways, 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 of their future.

Tutor Group Teachers, Classroom Teacher and Year Level Coordinators 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.

**Mrs Natalie Desira**  
Deputy Head of Senior School  
Maddingley Campus  
[desiran@bmg.vic.edu.au](mailto:desiran@bmg.vic.edu.au)

**Mrs Erin Thornton**  
Head of Senior School  
Maddingley Campus  
[thorntone@bmg.vic.edu.au](mailto:thorntone@bmg.vic.edu.au)

**Ms Amanda Maitland-Smith**  
Head of Senior School  
Woodlea Campus  
[maitlandsmitha@bmg.vic.edu.au](mailto:maitlandsmitha@bmg.vic.edu.au)

## KEY CONTACT INFORMATION

<b>School Email</b>	<a href="mailto:school@bmg.vic.edu.au">school@bmg.vic.edu.au</a>	<b>School Website</b>	<a href="http://www.bmg.vic.edu.au">www.bmg.vic.edu.au</a>
<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	
<b>Fax Number</b>	(03) 5366 4850	(03) 5366 4950	
<b>Absentee Number</b>	(03) 5366 4888	(03) 5366 4988	
<b>Absentee Email</b>	<a href="mailto:maddingley_absentees@bmg.vic.edu.au">maddingley_absentees@bmg.vic.edu.au</a>	<a href="mailto:woodlea_absentees@bmg.vic.edu.au">woodlea_absentees@bmg.vic.edu.au</a>	
	<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 3) if selecting a Pre VCE subject in Year 9.

## The Values Program

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

## 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: History (one semester)
- Must select one subject from Design & Technology AND/OR Performing Arts faculty for breadth

### Other Notes:

- Selection for the Year 9 acceleration program (completing a Unit 1/2) 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.

## Sample Year 9 Pathways

Year 9 Pathway		
	Sem 1	Sem 2
1	English	English
2	Maths	Maths - GM/MM
3*	Science	Science
	Physical Education	Physical Education
4	Australian History	Option
5	Option	Option
6	Option	Option

Year 9 Pathway and Languages subject		
	Sem 1	Sem 2
1	English	English
2	Maths	Maths - GM/MM
3*	Science	Science
	Physical Education	Physical Education
4	Australian History	Option
5	Option - Languages	Option - Languages
6	Option	Option

<b>Kaizen and VCE Baccalaureate Pathway (by invite only)</b>		
	<b>Sem 1</b>	<b>Sem 2</b>
<b>1</b>	English	English
<b>2</b>	Maths	Maths - 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 - VCE Unit 1/2	Option - VCE Unit 1/2

<b>Year 9 Pathway - VCE Acceleration (by invite only)</b>		
	<b>Sem 1</b>	<b>Sem 2</b>
<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 – 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 2024

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



YEAR 9 HANDBOOK 2024

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</p>	<p><b>OPTION</b> Pre-VCE Chemistry Pre-VCE Physics Pre-VCE Biology Pre-VCE Environmental Pre-VCE Psychology</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>
Physical Education, Sport and Health			<p><b>CORE</b> PE/Sport/Health Year 9</p> <p><b>OPTION</b> Elite Sport Training Year 9 Global Health &amp; Development Sports Performance Outdoor Recreation and Sustainability</p>	<p><b>CORE</b> PE/Sport/Health Year 10</p> <p><b>OPTION</b> Elite Sport Training Year 10 Advance Fitness Exercise Physiology Global Health &amp; Development Injury Prevention &amp; Control Unit 1&amp;2 Outdoor and Environmental Studies (Year 10 only)</p>	<p>Physical Education</p> <p>Health and Human Development</p> <p>Unit 3&amp;4 Outdoor and Environmental Studies (Year 11 only)</p>	<p>Physical Education</p> <p>Health and Human Development</p>
The Arts and Technology	Art	Art	<p><b>OPTION</b> Year 9 Art Year 9 Photography Year 9 Viscomm Year 9 Media Studies</p>	<p><b>OPTION</b> Year 10 Art Year 10 Photography Year 10 Viscomm 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	<p><b>OPTION</b> Year 9 Wood Technology Year 9 Textiles CAD and CAM Flight Technology</p>	<p><b>OPTION</b> Year 10 Wood Technology Year 10 Textiles Housing Design Autonomous Vehicles Mechatronic Systems Housing Design</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</p>	<p><b>OPTION</b> Hospitality Café Year 10 Food technology</p>	<p>Food Studies</p> <p>VCE VET Hospitality</p>	<p>Food Studies</p> <p>VCE VET Hospitality</p>
			<p>Computing Games Programming</p>	<p>Computing Advanced Programming</p>	<p>Applied Computing</p>	<p>Applied Computing</p>
Music & the Performing	Drama	Drama	<p><b>OPTION</b> Year 9 Drama</p>	<p><b>OPTION</b> Year 10 Drama</p>	<p>Drama</p>	<p>Drama</p>
	Music	Music	<p><b>OPTION</b> Year 9 Music Performance</p>	<p><b>OPTION</b> Year 10 Music Performance</p>	<p>VCE VET Music Industry</p>	<p>VCE VET Music Industry</p>
			<p><b>OPTION</b> Year 10 Dance</p>	<p><b>OPTION</b> Year 10 Dance</p>	<p>Dance</p>	<p>Dance</p>

**Please note:** Selected Unit 1 & 2 subjects will be on offer to students by invitation only in 2024. Students will not be able to select the accelerated VCE subject via web preferences. These subjects will be assigned to the students' timetable after the offers have been made. Staff will work with the accelerated students to ensure their subject offerings match their pathway.

## 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 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		
	Sem 1	Sem 2
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 31 July and close at 9pm Friday 11 August** (printed forms are due to the Tutor Teachers by Tuesday 15 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

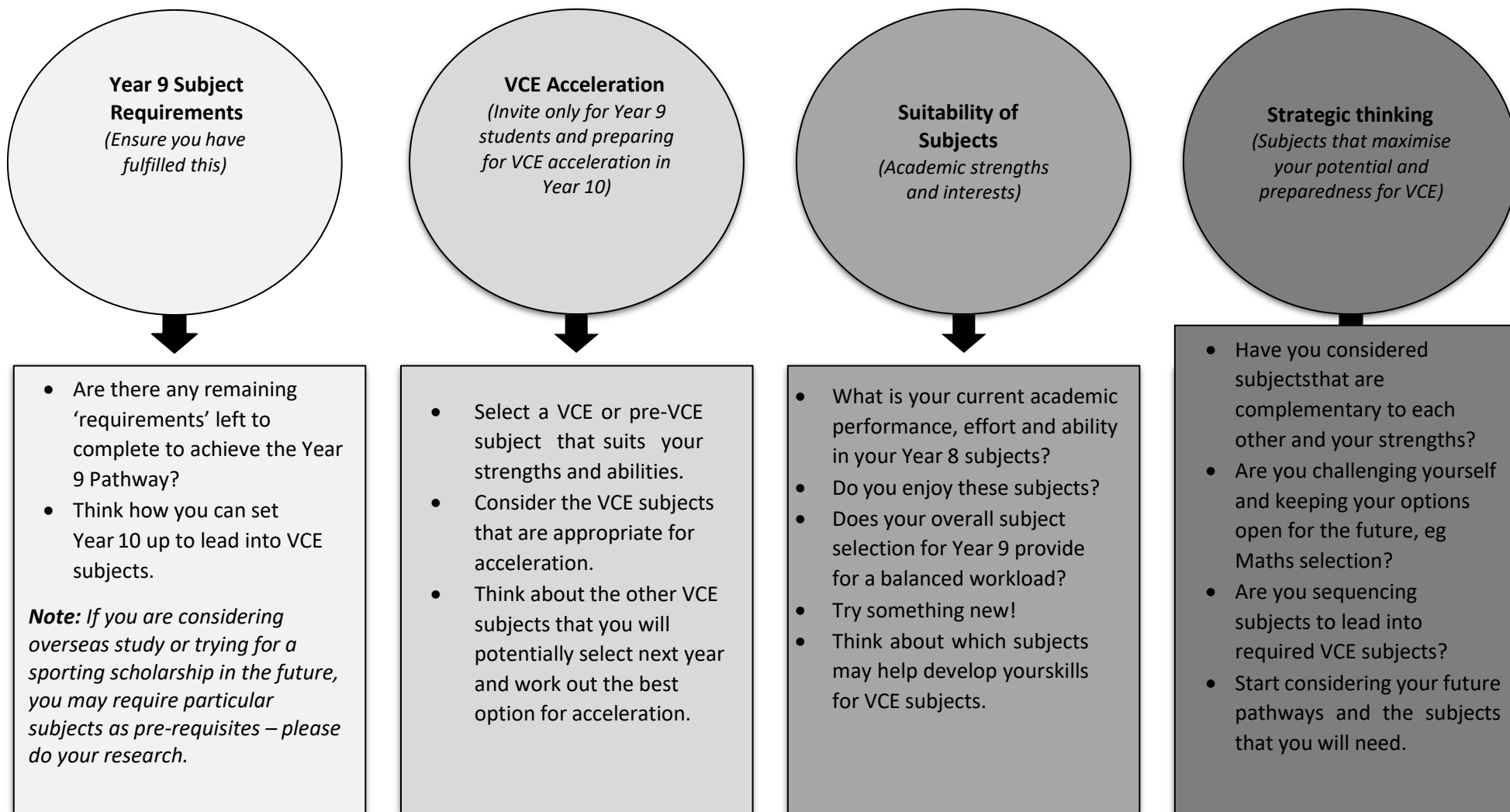
You can print your 'Preference Receipt' page by clicking on the 'Open Print View' button and clicking the 'Print Receipt' button.

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.**



***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 2025 on the VTAC website.***

# SUBJECT DESCRIPTIONS

## ENGLISH

**Maddingley Contact Person:** Miss Leigh Radbourne <[radbournel@bmg.vic.edu.au](mailto:radbournel@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 compare the ideas and techniques in two or more 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 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 and English Language

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

## MATHEMATICS

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

**Woodlea Contact Person:** Mr Cameron McGregor <[mcgregorc@bmg.vic.edu.au](mailto:mcgregorc@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 & 2 (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 & 4 General Mathematics

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

## HUMANITIES

**Maddingley Contact Person:** Ms Celia Patterson <[pattersonc@bmg.vic.edu.au](mailto:pattersonc@bmg.vic.edu.au)>

**Woodlea Contact Person:** Ms Amanda Maitland-Smith <[maitlandsmitha@bmg.vic.edu.au](mailto:maitlandsmitha@bmg.vic.edu.au)>

## HISTORY

### Australian History (CORE)

In this subject, students will study aspects of Australian History from the mid-19th century. They will focus on the experiences of Chinese miners on the goldfields, the Indigenous Civil Rights Movement and the end of the White Australia Policy.

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

This subject examines major themes and principal events of both World Wars. Students study the Gallipoli campaign, the Western Front and the mythology of the Anzac legend in relation to World War One. They also study the bombing of Darwin in 1942, the Kokoda campaign and the experiences of Australian soldiers in Tobruk, in relation to World War Two. Students analyse the impacts of both wars and investigate how they helped to shape Australian society.

Links to VCE subjects:

- History: Modern History
- History: Australian

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

## Pre-VCE Conflict in Asia

In this subject, students explore Japan from 1868 – 1905 (the Meiji Restoration), China from 1937 – 1949 (the Second Sino-Japanese War and the Civil War) and the Cold War period from 1945 – 1975 (the Korean War and the Vietnam War). Students develop an understanding of key ideological concepts such as nationalism, communism and democracy that were central to nation building and international relations in the region.

Links to VCE subjects:

- History: Modern
- History: Empires
- History: Australian
- History: Revolutions
- Global Politics

**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 80s.

Links to VCE subjects:

- History: Modern
- History: Australian

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

## Pre-VCE Germany in the 20th Century

In this subject, 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 toward dictatorial rule. Students also explore the reasons for Hitler's rise to power and the impact of Nazism on Germany, with a focus on the rise of antisemitism. In addition, students analyse Germany's re-emergence as a European world power and investigate aspects of the Holocaust. Students attend a powerful excursion to the Jewish Holocaust Centre in Elsternwick where they hear a survivor's testimony.

Links to VCE subjects:

- History: Modern

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

## **GEOGRAPHY**

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

This subject provides students with the opportunity to collect, explore and analyse data relating to human and environmental issues. In undertaking this study, students explore factors such as wellbeing, food security, climate change (including natural hazards) and conflict. They examine each issue's role in changing human wellbeing over time. In addition, students consider responses from various governments and people to the issues and evaluate these responses from a sustainability perspective.

Links to VCE subjects:

- Environmental Science
- Geography
- Politics
- Health and Human Development

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

### **Physical Geography: Dynamic Earth**

This subject explores the natural processes that cause physical change within our ever-evolving world. Students study three main processes: river geomorphology, coastal geomorphology and climate change. They then consider the relevance of these processes to Victoria and the world. Students are guided in their study of these processes by three overarching questions: What was the Earth like in the past? Why does the Earth change? What are the impacts of this change? Students will have a field work opportunity and will complete a guided case study.

Links to VCE subjects:

- Environmental Science
- Geography

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

## **COMMERCE**

### **Global Citizenship and Democracy**

In this subject, students gain an understanding of who holds power in Australia and how that power is distributed and used. They develop an understanding of how Australia operates in a political and legal sense and how it compares with other democratic systems such as the US and France as well as non-democratic systems such as China. Students also gain an understanding of the implications of foreign policy as a member of the global community of nations, particularly within the Asia-Pacific region. In addition, they also develop an understanding of the implications of international relations and the challenges posed to states' sovereignty. 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**

In this subject develop their awareness of financial literacy and financial planning by examining a range of issues concerning money and financial choices. 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.



## **ETHICS**

### **Ethics**

In Ethics, students will gain an understanding of, and empathy for, the many issues 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
- Philosophy
- Legal Studies
- Biology
- History
- Languages
- Media Studies

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

## **LANGUAGES**

### **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.

**Maddingley Contact Person:** Mrs Fiona Erhardt <[erhardtf@bmg.vic.edu.au](mailto:erhardtf@bmg.vic.edu.au)>

**Woodlea Contact Person:** Ms Audrey Gagnon <[gagnona@bmg.vic.edu.au](mailto:gagnona@bmg.vic.edu.au)>

### **Year 9 Indonesian\***

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.

**Maddingley Contact Person:** Mrs Fiona Erhardt <[erhardtf@bmg.vic.edu.au](mailto:erhardtf@bmg.vic.edu.au)>

\* *Maddingley Campus only*

## Year 9 Japanese

Students work through the course book, iTomo 3+4. Topics covered include '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 all 46 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.

**Maddingley Contact Person:** Mrs Fiona Erhardt <[erhardtf@bmg.vic.edu.au](mailto:erhardtf@bmg.vic.edu.au)>

**Woodlea Contact Person:** Mrs Leah Shin <[shinl@bmg.vic.edu.au](mailto:shinl@bmg.vic.edu.au)>

## VCE Acceleration in Humanities

### Empires Units 1 & 2 (Invite only)

In Units 1 and 2 Empires, students investigate 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 & 4 History: Australian
- Unit 3 & 4 History: Revolutions

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

## SCIENCE

**Maddingley Contact Person:** Mrs Li Richardson <[richardsonl@bmg.vic.edu.au](mailto:richardsonl@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, Psychological and Physical Sciences. Two key themes will be explored over the year. First semester will focus on "The Year 3000" and what life and surroundings might be like in the future. Second semester students will be able to put some common myths to the test and discover whether or not they are true with the unit titled "Myth Busters." 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.

Links to VCE subjects:

- Chemistry
- Physics

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

Pre VCE Chemistry requires you to have completed either Environmental Chemistry or Physics and Chemistry: The study of Light and Matter.

Pre VCE Physics requires you to have completed Physics and Chemistry: The study of Light and Matter as a prerequisite.

## 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.

Pre VCE Chemistry requires you to have completed either Environmental Chemistry or Physics and Chemistry: The study of Light and Matter.

VCE Environmental Science recommends you have completed 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. VCE Biology requires you to have completed 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. VCE Psychology recommends you to have completed either Developmental Psychology or Pre-VCE Psychology as a pre-requisite.

## 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. VCE Biology requires you to have completed 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 & 2 (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 & 2, students study the following: How are Earth's systems connected? How can pollution be managed?

Links to VCE subjects:

- Unit 3 & 4 Environmental Science

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

## PHYSICAL EDUCATION, SPORT 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/Sport/Health**

Students will learn to measure their own fitness and physical activity levels and identify factors that influence motivation to be physically active. Students will learn to proficiently perform complex movement and manipulative skills and evaluate individual and group tactics and movement patterns within the sports of European Handball, Tennis and Dance amongst others. Students will also analyse the positive and negative health outcomes of a range of personal and community actions and health issues associated with sexuality. Students will explore male and female health issues and participate in activities that explore sexual health and wellbeing, pregnancy and birth, and responsible relationships.

Links to VCE subjects:

- Physical Education
- Health and Human Development

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

### **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 Recreation and Sustainability**

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.

## Elite Sports Training (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.

## VCE Acceleration in Physical Education, Sport and Health

### Health and Human Development Units 1 & 2 (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 & 2, students study the following: Understanding Health and Wellbeing and Managing Health and Development.

Links to VCE subjects:

- Unit 3 & 4 Health and Human Development

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

## THE ARTS and TECHNOLOGY

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

**Woodlea Contact Person:** Mrs Amanda Pretty <[prettya@bmg.vic.edu.au](mailto:prettya@bmg.vic.edu.au)>

### VISUAL ARTS

#### Art – Studio Process

In this subject, students are given opportunities to engage with various materials, techniques, and art forms. Students gain an overview of both traditional and contemporary artists and artworks. They develop their style and explore techniques as they refine a folio of practical work which simulates the studio process of practising artists. Students' understanding of art elements and principles is also extended and applied to set tasks. Students will analyse and discuss their works and the work of other artists using appropriate vocabulary.

Links to VCE subjects:

- Art Creative Practice
- Art Making and Exhibiting

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

## Digital Art and 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)

- Art Creative Practice
- Art Making and Exhibiting
- Media

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

## VisComm

This subject focuses on the communication and environmental design fields. Students have the opportunity to learn how architects, interior and graphic designers use different drawing methods to convey their ideas and how to manipulate and organise design elements and principles to communicate information. 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 and SketchUp, 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 media production and post-production processes 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.

## VCE Acceleration in The Arts and Technology

### Media Units 1 & 2 (Invite only)

The media is ubiquitous in today's world. Working on a personal, local, national and global level, media is deeply embedded within life and culture. It entertains, teaches, informs, and shapes the audience's perceptions of their lives and the worlds in which they live. Stories in all their forms are at the heart of the media and its relationship with audiences. Through stories, narratives are constructed that engage, and are read, by audiences. Representations of ideas, realities and imagination are constructed and deconstructed, remixed and reimagined with ever increasing technological sophistication, ease and speed to engage audiences. Developments in technologies have transformed media at a rapid pace. The interplay between print and broadcast media and multinational-networked data base platforms has enabled creative communication opportunities and reworked notions of key media concepts including audiences, forms and products, storytelling, influence, institutions and industries. In Units 1 & 2, students study the following: Media forms, representations and Australian stories and narrative across media forms.

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

## **HOSPITALITY and FOOD**

### **Food Technology**

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.

## **DIGITAL TECHNOLOGY**

### **Computing - Games Programming**

Programming is a huge industry in Australia and worldwide and there is a growing demand for games programmers. In this subject, students assess two software development environments, GameMaker and Unity, to help choose which one they will use in their final project. Students also create games resources and develop skills to manage these resources for their final project. Students design and implement their own games using a formal problem solving process.

Links to VCE subjects:

- Applied Computing
- Systems Engineering

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

## **DESIGN TECHNOLOGY**

### **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.



## Flight Technology

Flight Technology is an introductory course exploring the engineering, design and development of flight technologies. Students learn the fundamental principles of flight technologies while designing, constructing and testing aerial vehicles such as gliders, fixed wing drones or rockets. The subject is a fusion of engineering, design, rapid prototyping, problem solving and Science. Participants use rapid prototyping tools such as 3D printers, laser cutting and CNC routing. Students will complete a number of fundamental flight 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 Physics

**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

## PERFORMING ARTS

**Maddingley Contact Person:** Mrs Narelle Pritchard <[pritchardn@bmg.vic.edu.au](mailto:pritchardn@bmg.vic.edu.au)> Mr Troy Westgarth <[westgarth@bmg.vic.edu.au](mailto:westgarth@bmg.vic.edu.au)>

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

## Dance

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 and performance as well as enabling them to observe, experience and write about dance in an analytical, critical and reflective manner. 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:

- Dance Drama

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

## Drama

Drama in Year 9 develops students' creative, collaborative, analytical and performance skills. Using Laban's System, and the conventions of Commedia dell'Arte, 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 Stanislavski in 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:

- Drama

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

## Music

Music is a course that is aimed at developing the students' skills in performance, music notation, musicianship, improvisation and composition. 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.

Links to VCE subject:

- Music Industry

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

## VCE Acceleration in Performing Arts

### Dance Units 1 & 2 (Application only)

VCE Dance develops students' physical skills, personal movement vocabulary, and application of choreographic and analytical principles. Students create and perform their own dance works as well as studying the dance works of others through performance and analysis. They consider influences on the expressive intention and movement vocabulary of their own dances and also on works created by choreographers working in a range of styles, genres and traditions. Influences on aspects of production in dance works are also studied. In each unit, students are required to undertake systematic dance training to build physical skills and develop their ability to execute safely a diverse range of expressive body actions. Students develop and refine their choreographic skills by exploring personal and learnt movement vocabularies, and ways in which movement can be created and arranged to communicate the expressive intention of the dance-maker. Students perform choreographed or learnt solo and group dance works using different dance-making processes. In Units 1 & 2, students study the following: the body as an instrument of expression and movement vocabulary and choreographic skills.

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

### Drama Units 1 & 2 (Application only)

The study of Drama focuses on the creation and performance of characters and stories in naturalistic and non-naturalistic ways. Students draw on a range of stimulus material and play-making techniques to develop and present devised work. Students also explore a range of performance styles and conventions, dramatic elements and stagecraft. They use performance and expressive skills to explore and develop role and character. They analyse the development of their own work and performances by other drama practitioners. In Units 1 & 2, students study the following: Dramatic storytelling and Non-naturalistic Australian drama.

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

### VCE/VET Music Industry Units 1 & 2 (Application only)

This subject provides students with the opportunity to apply a broad range of knowledge and skills in varied work contexts in the music industry. Units 1 & 2 include genre specific research, composing simple songs or musical pieces and preparing for performances. Units 3 & 4 offer scored assessments and include units such as developing improvisation skills, applying knowledge of genre to music making and performing music as part of a group or as a soloist.

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



Doctrina Vitae

## Bacchus Marsh Grammar

PO Box 214  
Bacchus Marsh VIC 3340

### **Maddingley Campus**

South Maddingley Road  
Bacchus Marsh VIC 3340

**P** +61 3 5366 4800

**F** +61 3 5366 4850

### **Woodlea Campus**

111 Frontier Avenue  
Aintree VIC 3336

**P** +61 3 5366 4900

**F** +61 3 5366 4950

### **Early Learning Centre**

111 Frontier Avenue  
Aintree VIC 3336

**P** +61 3 5366 4999

**F** +61 3 5366 4850

**E** [school@bmg.vic.edu.au](mailto:school@bmg.vic.edu.au)

**www.bmg.vic.edu.au**

Reg. No 1919 ABN 24 128 531 078