



**KOONUNG**  
Secondary College

*Excellence through Endeavour*



# Year 10 Handbook 2020

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**YEAR 10  
SUBJECT CHOICES**

VCE/VET

MATHS

ARTS

SCIENCE

LANGUAGE

HEALTH & PE

TECHNOLOGY

HUMANITIES

ENGLISH/  
LITERATURE

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Dear Students, Parents and Carers

The team at Koonung Secondary College is ready to assist you with the planning of the next stage of your education.

The Koonung curriculum team has endeavoured to provide our Year 10 students with greater access to choices and VCE selection. For example, it will be possible for a Year 10 student to select a VCE Unit 1 & 2 study. While these choices are available to all students, not all students may be ready to undertake such extension and therefore you are encouraged to carefully read the information and course requirements.

Please read all the information regarding course selection requirements and subject information.

Every effort is made to provide each student with their choices and so it is important that you complete your research and make informed decisions.

Students and parents should understand that the commencement of the timetabling process is based on students' initial choices in late August and some subjects may not run due to small numbers. Changes made after the deadline may affect a student's options.

Please ensure that you seek advice where necessary to ensure that you make the right selections for you. Remember three points when doing your subject selections:

- Select the subjects that you like
- Select the subjects that you are good at
- Select a broad curriculum range

**Conor Sheehan**

**Director of Learning – Senior School**

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## YEAR 10 – 2020 COURSE INFORMATION

This handbook contains information about subjects that are available to study at Koonung Secondary College in 2020. Before deciding upon any course, students and parents are advised to read the Year 10 VCE Handbook very carefully.

In order to cater for individual differences, Koonung Secondary College offers a more flexible curriculum structure for Year 10 students that provides:

- A curriculum that gives students a choice of subjects and a chance to develop their own curriculum pathway
- A structure that provides the opportunity for access to some VCE/VET Unit 1 and 2 studies for suitably qualified Year 10 students
- A rigorous and in depth course/pathway counselling process that gives students and parents a thorough understanding of their options at Year 10 and beyond

All students should leave school having covered a broad range of Learning Areas and General Capabilities outlined in the Victorian Curriculum Victorian Essential learning Standards.

### LEARNING AREA

- English
- Mathematics
- Science
- Health and Physical Education
- Languages
- Humanities and Social Sciences  
(History, Geography, Civics and Citizenship,  
Economics and Business)
- The Arts
- Technologies (including Design Technologies and  
Digital Technologies)

### GENERAL CAPABILITIES

- Critical and creative thinking
- Personal and social capability
- Intercultural understanding
- Ethical understanding

We strongly recommend that students undertake courses that draw from the various Learning Areas and the General Capabilities included within them, as this will help to prepare students for future success. A broad curriculum and range of choices will ensure that students have access to future pathways and various options for continued learning.

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## COMPULSORY YEAR 10 COURSE REQUIREMENT

- English (or EAL) and Pathways are compulsory and run for the entire year
- Students must choose a minimum of one from each of the areas of Mathematics, Science and Humanities.

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## ELECTIVE UNITS

Students are able to choose ten units to complete over the year from any of the areas listed in this handbook.

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## ADDITIONAL COURSE REQUIREMENTS AND COSTS

This is information regarding excursions, other activities and any additional costs students will be required to meet to complete the study.

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# ACCELERATION POLICY

At Koonung Secondary College, we recognise the diverse learning needs of our students. As a result, the College has established a range of programs and pathways to cater for the needs of each of our students.

Our SEE@K program at Years 7-9 offers an academic enrichment program, which aims to broaden student learning opportunities, with a focus on enhancing higher order thinking while supporting students to collaborate with others to further strengthen opportunities for rigorous, relevant and engaging education. SEE@K is not an accelerated learning program, rather a differentiated course in all core subjects reflecting self-directed inquiry learning. In addition, selected students entering Years 7 and 8 are offered an enrichment program in Mathematics. Entry into this program is based on student ability in this subject. At Year 9 identified students may be offered an accelerated program in Mathematics. In Years 10 and 11, the College provides the opportunity to suitably qualified students to study up to two VCE subjects from the following year level curriculum.

## RATIONALE

The College wishes to provide the option of accelerated pathways to extend particularly capable students. Acceleration can provide opportunities for students to maximise their ATAR by undertaking a 6<sup>th</sup> VCE Unit 3/4 subject and/or provide access to University enhancement subjects.

## AIMS

- To establish transparent process for students wishing to undertake accelerated studies
- To ensure that a students' performance in all other subjects is not unduly impacted by enrolment in accelerated studies

## DEFINITION

Acceleration: the process whereby a student undertakes a course of study beyond their current year.

## IMPLEMENTATION

### 1. Acceleration in Year 9 Mathematics: (students undertake Year 10 Mathematics)

- Access to the accelerated program in Year 9 will be by invitation only
- The Domain Leader, in consultation with the teachers at Year 8, will identify students who they deem mathematically capable of undertaking an accelerated program. This decision will be based on a range of factors including: PAT Mathematic testing, performance in problem solving and other enrichment tasks including competitions and assessment grades of 85% or higher on all tasks
- A list of students deemed eligible will be referred to a panel for consideration. This panel will comprise the Director of Learning - Middle Years, an Assistant Principal and the Leading Teacher Curriculum Innovations
- Eligible students will have a consistent record of success in all subjects and demonstrate outstanding organisational skills and work practices at their current year level so that studying an accelerated subject will not be detrimental to their performance in other subjects (B+ average across all subjects)

### 2. Acceleration in Year 10 and 11

- Students in Year 9 may apply to enrol in a VCE 1/2 subject in Year 10
- Students in Year 10 may apply to enrol in a VCE 3/4 subject in Year 11
- A panel comprising Director of Learning - Senior School, an Assistant Principal and the Leading Teacher Curriculum Innovations will review applications for acceleration. They may consult with subject teachers and Domain Leaders
- Students who have completed the accelerated Year 9 program may apply to undertake an accelerated pathway and, where deemed appropriate by the selection panel, an additional accelerated VCE pathway in one other subject
- Students who have completed the accelerated Unit 1/2 in Year 10 will be required to reapply for access to the subsequent accelerated Unit 3/4 in Year 11

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### **Selection Criteria**

- To be considered for an accelerated study the student will have a consistent record of success. They will require a B+ average in the subject in which they wish to accelerate and a B average in all other subjects, demonstrate outstanding organisational skills and work practices at their current year level so that studying an accelerated subject would not be detrimental to their performance in other subjects
- Students in Year 9 undertaking the accelerated Maths program will be required to maintain a C+ average in Maths, a B+ average in the subject that they wish to accelerate in and a B average in all other subjects
- To be eligible to continue an accelerated subject the student will have performed consistently well (B average) and maintained strong grades (B average) in all other subjects

### **Procedure for selection**

- Access to an accelerated study will only be considered if the application is approved by the appropriate panel
- The panel will notify all applicants of the outcome of the selection process
- The decision of the panel is final
- Enrolment in an accelerated study will depend on availability. Students will only be offered the opportunity to undertake a subject at the next year level if there are spaces and after all students at that year level have made their choices
- Every effort will be made to offer suitably qualified applicants with an appropriate accelerated pathway. This may require the applicant to consider alternative subjects.

## **VCE/VET UNITS**

VET delivered in schools refers to Vocational Education and Training (VET) courses undertaken as part of secondary school studies.

VET delivered in schools combines senior school studies and accredited vocational education and training (industry training) that enables students to complete a nationally recognised vocational qualification (e.g. Certificate III in Sport and Rec) and a senior school certificate (VCE) at the same time whilst the student gains employability and industry-specific skills.

Contribution to the VCE VET programs with approved VCE VET Unit 3 & 4 sequence and a study score can contribute to the ATAR in the Primary 4 or as a 5th or 6th Subject. Students undertaking VET programs that are not in the approved VCE VET suite, may be eligible for credit towards their VCE through Block Credit. Students that successfully complete Unit 3 & 4 through the Block Credit recognition may receive a 10% increment on their lowest primary four score. VET does not contribute to the ATAR if it a student's 7<sup>th</sup> subject.

Koonung Secondary College offer a wide range of programs which are delivered off campus. For a full list of programs and program descriptions including VCE contribution please refer to the VET Handbook which is available on the school website.

## **ORGANISATION OF STUDIES AT KOONUNG SECONDARY COLLEGE**

Studies are taken in blocks. A combination of studies is possible and blocks are set according to students' choice of units. However, it must be recognised that an unusual combination may not fit the timetable. It is also important to note that if only a small number of students wish to undertake a particular study, the school may not be able to provide it. Avoidance of clashes between a student's subject selections cannot be guaranteed.

Year 10 students have the opportunity to select ten elective units. The possibilities include:

1. Completing ten (10) Year 10 units – NB: a Language subject must be two units; OR
2. Completing either (8) Year 10 units and a VCE Unit 1 and 2 sequence.

## COUNSELLING PROCESS

Applications will be evaluated by a panel consisting of the relevant Curriculum Team

Some examples of possible Year 10 courses are:

- \* Two units of English (or EAL) in addition to the 10 elective units
- \* Examples of elective courses include:

STUDENT A	LEARNING AREA	ELECTIVES
1		Pre Methods Mathematics
2		Pre Further Mathematics
3	Science	Physical Science
4		Human Science
5	Humanities	History
6		Global Connections
7		VCE Business Management (Unit 1)
8		VCE Business Management (Unit 2)
9	Health & PE	Sport Physiology & Performance
10	Arts	Creating with Food

STUDENT B	LEARNING AREA	ELECTIVES
1		Pre Methods Mathematics
2		Pre Methods Mathematics
3	Science	Physical Science
4		Biochemical Science
5	Humanities	You & the Law
6		History
7	Language	French
8		French
9	Arts	Media
10		Drama

STUDENT C	LEARNING AREA	ELECTIVES
1		Mathematics
2	Science	Human Science
3	Humanities	History
4		Global Connections
5		You & the Law
6		Money & Markets
7	Health & PE	Health & Recreation
9	Arts	Art
10		Studio Arts



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## THE PATHWAYS PROGRAM

The Year 10 course incorporates Pathways, which is a well-established program for Year 10 students. It was created to support students as they make important decisions about career and study directions for their future. The emphasis is on self-awareness and exploring their strengths and interests for future pathways. It is a career focused program with emphasis on understanding the skills required in the workforce, preparing for Work Experience and preparation for exams. Guest speakers will provide forums on workplaces, strategies to use when studying and revising for exams, how to present for interviews and ways to become more confident in the workplace. In addition, students plan their VCE programs by researching broad career directions, tertiary courses and the subjects that they will need to include in their VCE subject selection for the following year.

The College recognises that the decisions made during Year 10 are ones which will have a significant impact on the course of our students' lives.

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## NOTEBOOK PROGRAM

### YEAR 10 DEVICE PROGRAM 2020

An innovative and progressive school curriculum requires ready access to digital learning tools and online information resources. Digital technology is an important component of the 21st Century learning environment and 1:1 devices make possible anywhere, anytime learning. Koonung Secondary College is committed to creating an environment that promotes educational excellence. To this end, we provide students with the opportunity to join our 1:1 Device Program. This 3 year program provides students with 24/7 access to a personal digital learning device, a wide range of specialist productivity, communication, and educational software, full network and Internet access, and onsite technical support. This device will enable your child to learn independently, collaborate with peers and communicate understandings using rich media. The program will operate on a user pays system in 2020. The College will provide full maintenance, repair and technical support with the Koonung Device Program, including a loan replacement device until their device is repaired or replaced.

We strongly recommend that all students join the Device Program. If students are not part of the program, they will have only limited access to other college based devices and therefore computer access at school cannot be guaranteed for students without their own device and classroom activities may need to be modified.

### BRING YOUR OWN DEVICE (BYOD)

As part of the revised Department of Education and Training (DET) guidelines regarding student devices, families attending Koonung Secondary College have the option to provide their own device for use within classes. A BYOD will not have full network/printer rights to the Koonung domain. ICT support is only provided for network access for BYOD. Students are responsible for securing and protecting their devices at school. Any loss or damage to a device is not the responsibility of the College or DET. Students and their parents/carers are solely responsible for the maintenance and upkeep of their devices. Students and their parents/carers are responsible for arranging their own insurance and should be aware of the warranty conditions for the device. The DET network installed requires certain specifications to enable devices to be connected to the Koonung network. These specifications will be provided to interested families.

## YEAR 10 CURRICULUM AND CORE ELECTIVES

<b>ENGLISH</b> (Choose 2 Units)	<b>LANGUAGE</b> (You must choose two consecutive Units)
English (Semester 1) <b>and</b>	French (Semester 1) <b>and</b>
English (Semester 2)	French (Semester 2)
English as an Additional Language (EAL) (Semester 1)	Japanese (Semester 1) <b>and</b>
EAL (Semester 2)	Japanese (Semester 2)
	Chinese (and SLA) (Semester 1) <b>and</b>
Elective: Literature (taken in addition to Core English)	Chinese (and SLA)(Semester 2)
<b>MATHEMATICS</b> (Choose at least 1 Unit)	<b>ARTS &amp; TECHNOLOGY</b>
Pre Further Methods (Semester 1)	Art
Pre Further Methods (Semester 2)	Unity Game Development
Pre Methods (Semester 1)	Drama
Pre Methods (Semester 2)	Creating with Food
Essential A	Media
Essential B	Music
<b>SCIENCE</b> (Choose at least 1 Unit)	Photography
Human Science	Data Systems
Physical Science	Studio Arts
Biochemical Science	Visual Communication Design
<b>HUMANITIES</b> (Choose at least 1 Unit)	<b>HEALTH &amp; PE</b>
History: The Decisive Decades	Health & Recreation
History: Crisis and Conflict	Sports Physiology & Performance
Money & Markets	
You & the Law	
Global Connections	

Students who elect to study a Language must select it in both semesters. Students enrolled in subjects which span the entire year may have a different teacher for each semester

## YEAR 10 CURRICULUM VCE OPTIONS

SCIENCE (Choose 2 consecutive units)	ARTS/TECHNOLOGY (Choose 2 consecutive units)
VCE Biology Unit 1 <b>and</b>	VCE Drama Unit 1 <b>and</b>
VCE Biology Unit 2	VCE Drama Unit 2
VCE Environmental Science Unit 1 <b>and</b>	VCE Music Performance Unit 1 <b>and</b>
VCE Environmental Science Unit 2	VCE Music Performance Unit 2
VCE Psychology Unit 1 <b>and</b>	VCE Visual Communication Unit 1 <b>and</b>
VCE Psychology Unit 2	VCE Visual Communication Unit 2
	VCE Food Studies Unit 1 <b>and</b>
	VCE Food Studies Unit 2

HUMANITIES (Choose 2 consecutive units)	MATHEMATICS (Choose 2 consecutive units)
VCE History Unit 1 <b>and</b>	VCE Mathematical Methods Unit 1 <b>and</b>
VCE History Unit 2	VCE Mathematical Methods Unit 2
VCE Geography Unit 1 <b>and</b>	LANGUAGE (Choose 2 consecutive units)
VCE Geography Unit 2	VCE Chinese Second Language Advance Unit 1 <b>and</b>
VCE Business Management Unit 1 <b>and</b>	VCE Chinese Second Language Advance Unit 2
VCE Business Management Unit 2	VCE Japanese Unit 1 <b>and</b>
VCE Legal Studies Unit 1 <b>and</b>	VCE Japanese Unit 2
VCE Legal Studies Unit 2	HEALTH & PE (Choose 2 consecutive units)
VCE Australian & Global Politics Unit 1 <b>and</b>	VCE Health & Human Development Unit 1 <b>and</b>
VCE Australian & Global Politics Unit 2	VCE Health & Human Development Unit 2
	VCE Physical Education Unit 1 <b>and</b>
	VCE Physical Education Unit 2

**NOTE: Students interested in pursuing the option of completing a VCE subject should consult the VCE handbook for information regarding the course requirements and content.**

## VET STUDIES

Students can consider a VET study (Vocational Education and Training in Schools) in Years 10-12. VET study can lead to an additional qualification at the end of the VCE journey and open opportunities and develop skills in specific career areas that may not be offered at Koonung Secondary College. Students may also receive credit in a related course at TAFE, University and Industry.

## KOONUNG SECONDARY COLLEGE POLICY:

### APPROVED VET PROGRAMS

- The program must be advertised in the Inner Melbourne VET Cluster (IMVC) Handbook
- The Program must be able to be accommodated within the Koonung Secondary College timetable structure
- If the program is not an approved VET or nationally recognised VET/VCE qualification, no credit can be gained through VCAA as Koonung Secondary College does not offer VCAL
- For further information refer to the VET booklet available at the Careers Office
- Speak to the staff in the Careers Office

## YEAR 10 COURSE SELECTION FORM

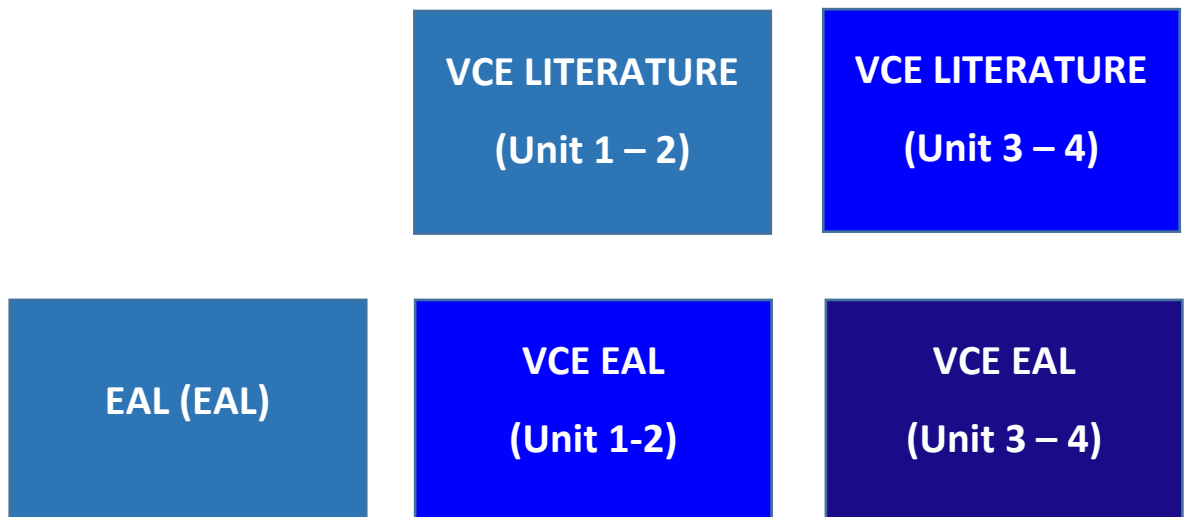
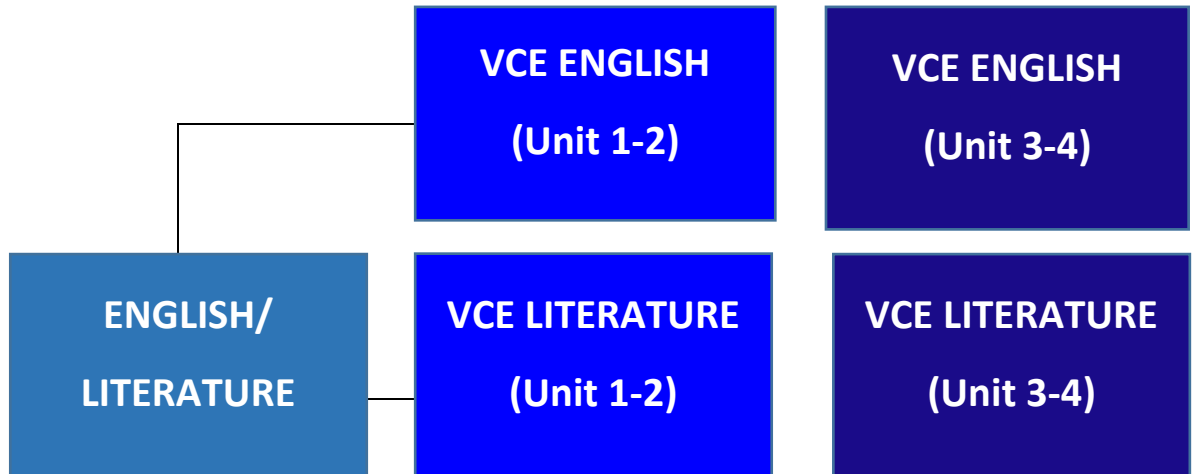
ENGLISH (Choose 2 units)		LANGUAGE (You must choose two consecutive units if selecting a language)	
<b>1</b>	English Semester 1 <b>and</b>		French (Semester 1) <b>and</b>
<b>2</b>	English Semester 2		French (Semester 2)
	EAL Semester 1 <b>and</b>	<b>7</b>	Japanese (Semester 1) <b>and</b>
	EAL Semester 2	<b>8</b>	Japanese (Semester 2)
			Chinese (Semester 1) <b>and</b>
	Elective: Literature		Chinese (Semester 2)
(Choose at least 1 unit)		ARTS & TECHNOLOGY	
<b>3</b>	Pre Further Mathematics (Semester 1)	<b>13</b>	Art
<b>4</b>	Pre Further Mathematics (Semester 2)		Unity Game Development
	Pre Methods Mathematics (Semester 1)		Drama
	Pre Methods Mathematics (Semester 2)		Creating with Food
	Essential Mathematics A		Media
	Essential Mathematics B	<b>14</b>	Music
SCIENCE (Choose at least 1 unit)			Photography
<b>5</b>	Physical Science		Data Systems
<b>6</b>	Biochemical Science		Studio arts
	Human Science	<b>16</b>	Visual Communication and Design
HUMANITIES (Choose at least 1 unit)			Studio arts
	History: The Decisive Decades		
<b>15</b>	History: Crisis and Conflict		
	You & the Law		
<b>9</b>	Global Connections		
	Money & Markets		
HEALTH & PE		VCE OPTIONS	
	Health & Recreation	<b>11</b>	VCE History 1 <b>and</b>
<b>10</b>	Sports Physiology & Performance	<b>12</b>	VCE History 2

- \* Note – students will be required to rank and select 16 units
- \* When completing the course selection form, students must ensure they meet the subject selection criteria

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# ENGLISH

Students must undertake two units of English each year



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# ENGLISH

## COURSE OUTLINE

The English domain is centred on the conscious and deliberate study of language in a variety of texts and contexts in which it is spoken, read, viewed and written. The course covers the three Victorian Curriculum Modes:

**Reading and Viewing:** understanding, interpreting, reflecting upon and enjoying written and visual print and non-print texts.

**Writing:** the active process of conceiving, planning, composing and editing and publishing fiction and non-fiction texts. It involves using appropriate language for specific audiences and purposes. There will be a focus on how argument and persuasion can position an audience and writing in response to texts.

**Speaking and Listening:** formal and informal ways of using oral language to convey and receive meaning. Spoken texts may include everyday communication, group discussion, formal presentations such as a point of view, debates and public speaking, storytelling and negotiating.

## METHOD OF ASSESSMENT

- Assessment may include:
- A writing folio including text responses, analytical responses to media texts, creative responses to texts and comparative essays.
- Students will also engage in public speaking, individual and group presentations.
- All Year 10 students sit an exam in each Semester.

## ADDITIONAL COST

- Excursions costs as required
- Additional class materials
- Approximately \$30

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# ENGLISH AS AN ADDITIONAL LANGUAGE

## COURSE OUTLINE

EAL is centred on the conscious and deliberate study of language in a variety of texts and contexts in which it is spoken, read, viewed and written. The course covers the three Victorian Curriculum Modes:

**Reading and Viewing:** understanding, interpreting, reflecting upon and enjoying written and visual print and non-print texts.

**Writing:** the active process of conceiving, planning, composing and editing and publishing fiction and non-fiction texts. It involves using appropriate language for specific audiences and purposes. There will be a focus on how argument and persuasion can position an audience and writing in response to texts.

**Speaking and Listening:** formal and informal ways of using oral language to convey and receive meaning. Spoken texts may include everyday communication, group discussion, formal presentations such as a point of view, debates and public speaking, storytelling and negotiating

## METHOD OF ASSESSMENT

Assessment included:

### Semester 1:

- Creative Responses,
- Analytical Text Response,
- Persuasive Oral Presentation of a current media issue
- Examination

### Semester 2:

- Comparative Analytical Text Response
- Language Analysis on a current media issue
- Listening Task
- Examination

## ADDITIONAL COST

- Excursions costs as required
- Additional class materials
- Approximately \$30

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# LITERATURE

## COURSE OUTLINE

Literature presents students with the opportunity to explore their own interpretations and experiences as readers, making connections between their ideas and the experiences of those texts.

They study characterisation, universal values and narrative events and shape personal and analytical responses to poetry, plays, short stories, novels and films, both classic and contemporary.

In written responses, students “discuss” literary features of entire works of literature based on set extracts, including interpretation of such elements as authorial intentions, social context and linguistic features.

This course is designed for students with high level English skills. As a pre-requisite, students are required to have achieved at least a “B” average and above in their Year 9 English results. NAPLAN data may also be consulted in determining a student’s suitability to undertake this subject. Students who undertake this semester-based course are required to be enrolled in Year 10 English. These units are designed to prepare the student for the VCE subject of Literature.

## METHOD OF ASSESSMENT

Students must study at least:

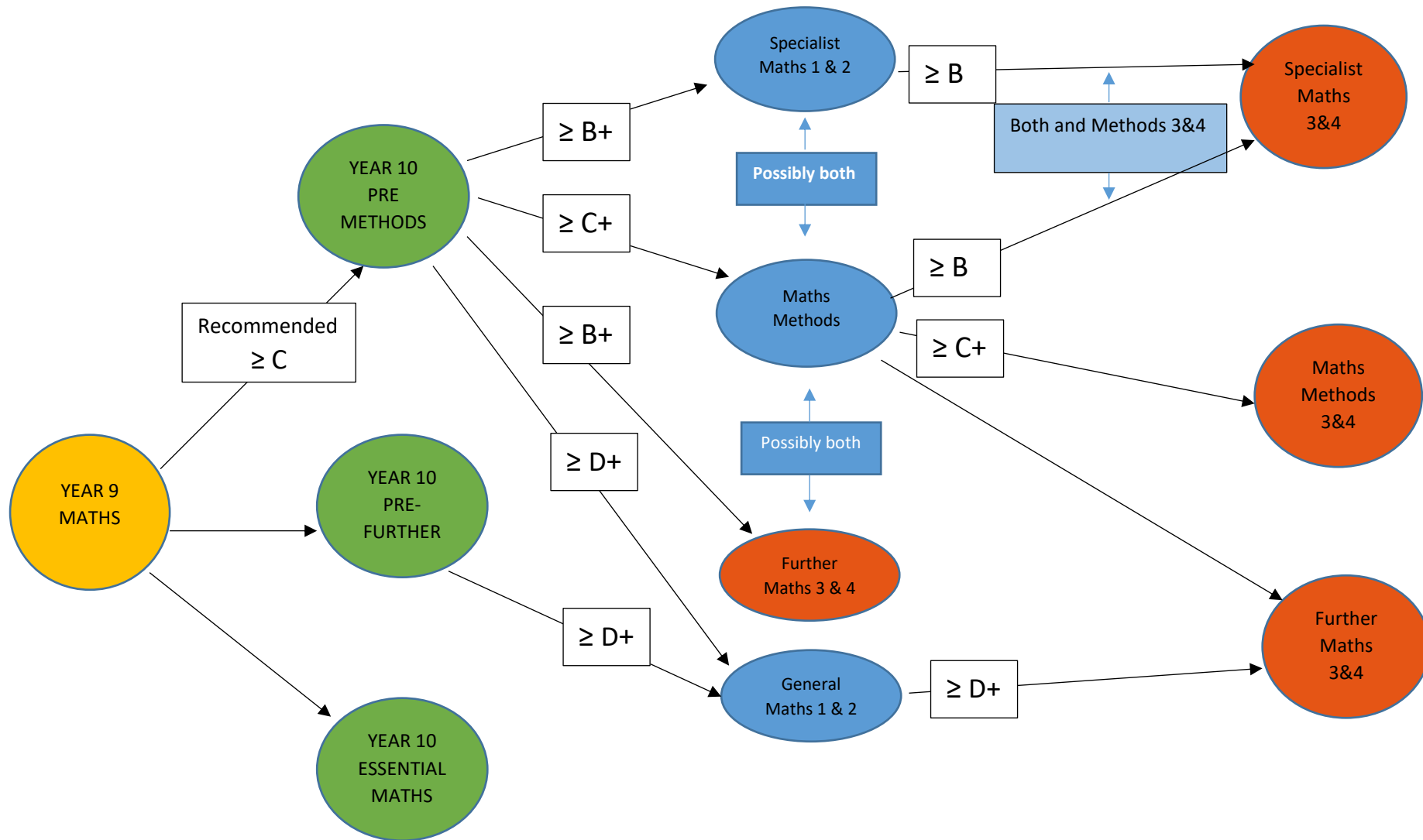
- Two complete texts
- One additional text that is either complete or a collective of excerpt/s
- Forms of assessment which may be used in this unit are:
  - An essay (connections, interpretive, analytical or discursive)
  - A close analysis of selected passages
  - An original piece of writing responding to a text/s studied.

## ADDITIONAL COST

- Excursions costs as required
- Additional class materials
- Approximately \$20

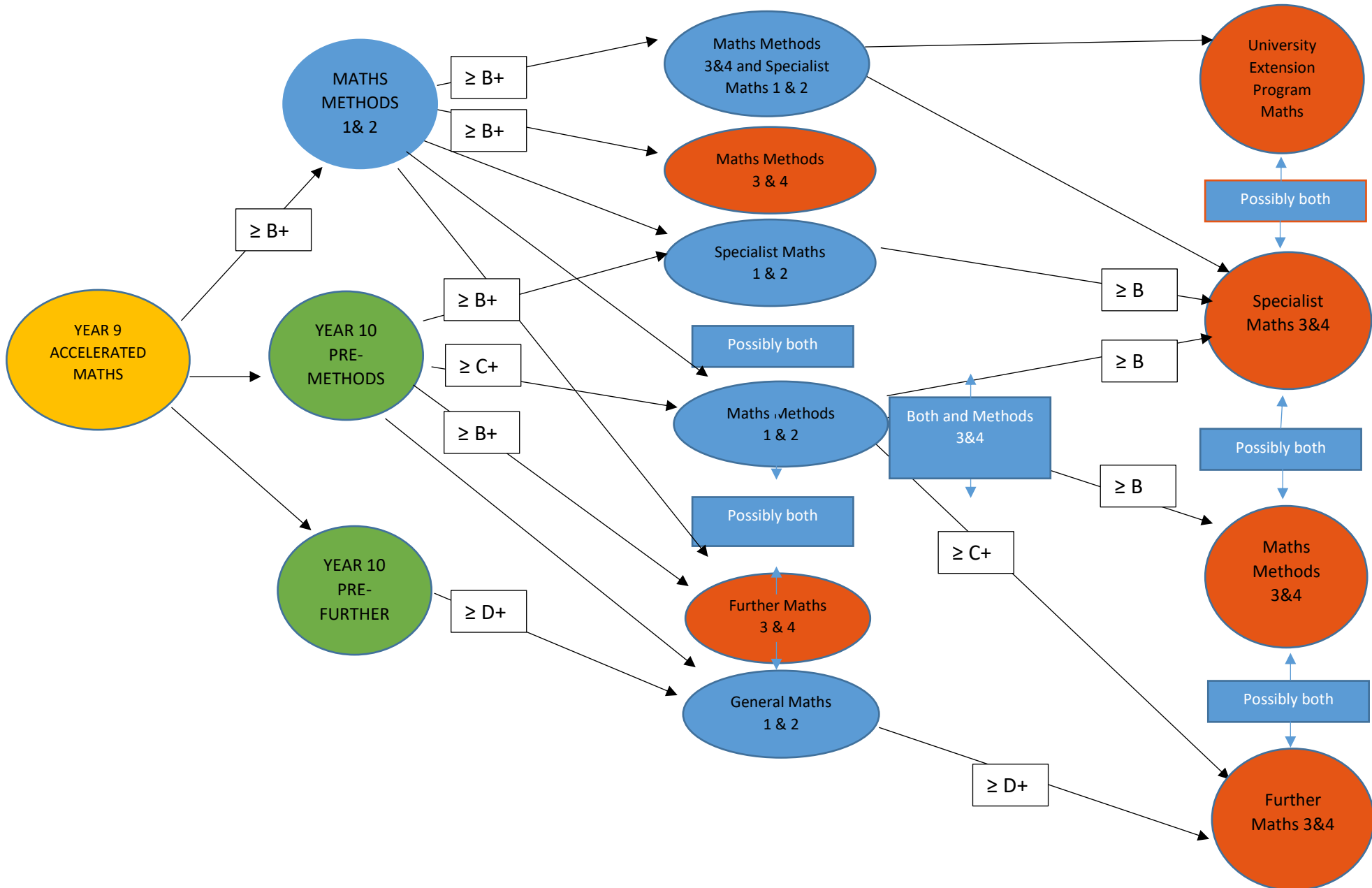
# MATHEMATICS PATHWAYS

The diagram below shows mathematics pathways and prerequisite grades.





# ACCELERATED PATHWAYS



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**Please note the following:**

1. To access any VCE Mathematics it is highly recommended that students undertake two semesters of prior to the commencement of their VCE studies
2. Students should achieve a minimum Grade average of B+ in Algebra-based units in Year 9 if they wish to access Pre-Methods in Year 10
3. Students who achieve consistent excellent results in Essential Mathematics A and B may, at the discretion of the Senior School, be allowed to undertake General in Year 11
4. Students who choose General Mathematics in year 11 cannot study Mathematics Methods 1 & 2 or Specialist Mathematics 1 & 2 in Year 11
5. Students who choose Specialist Mathematics 1 & 2 in year 11 **MUST** also study Mathematics Methods 1 & 2 in Year 11 or have studied Mathematics Methods 1 & 2 in Year 10

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## ESSENTIAL MATHEMATICS

(SEMESTER 1 & 2)

### PREREQUISITE:

A pass in the majority of Semester 1 units in Year 9.

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### COURSE OUTLINE

These units are designed for students who have found Mathematics challenging. There is a strong focus on numeracy skills and emphasis on using mathematics in practical contexts relating to real life. Topics including statistics, probability, personal finances and geometry will provide the foundations for a level of proficiency needed in mathematics in many practical contexts. Students who undertake two units of Essential mathematics will not be able to access other VCE Mathematic studies.

### METHOD OF ASSESSMENT

- Tests
- Assignments
- Examinations

### ADDITIONAL COST

- Additional class materials
- Approximately \$25
- Students will need a scientific calculator

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# PRE-FURTHER MATHEMATICS

(SEMESTER 1 & 2)

## PREREQUISITE:

Minimum grade average of E in Year 9

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### COURSE OUTLINE

These units are targeted towards students wishing to access Units 1 & 2 General Maths. The curriculum has three strands: Number and Algebra, Measurement and Geometry and Statistics and Probability. Students will be given the opportunity to develop core mathematical skills, learn concepts and processes and apply them in routine and unfamiliar contexts.

The Pre-Further mathematics course places a greater emphasis on non-algebraic subjects such as measurement, statistics, sequences and financial mathematics, while still allowing students the opportunity to consolidate the necessary core algebraic skills through the study of quadratic and linear equations and graphs. Students who complete Pre-Further mathematics **cannot** undertake Units 1 & 2 VCE Mathematical Methods or Units 1 & 2 Specialist Mathematics.

### METHOD OF ASSESSMENT

- Tests
- Assignments
- Examinations

### ADDITIONAL COST

- Additional class materials
  - Approximately \$25
  - Students will need a CAS Calculator
- 

# PRE-METHODS

(SEMESTER 1 & 2)

## PREREQUISITE:

Minimum grade average of C in Year 9

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### COURSE OUTLINE

These units are targeted towards students wishing to access Units 1 & 2 VCE Mathematical Methods. The curriculum has three strands: Number and Algebra, Measurement and Geometry and Statistics and Probability. Students will be given the opportunity to develop core mathematical skills, learn concepts and processes and apply them in routine and unfamiliar contexts.

The Pre-Methods course covers the standard Year 10 curriculum and extends them beyond. It places a greater emphasis on the Number and Algebra strand through extensive studies of polynomial algebra, graphing functions, surds and index laws.

Students who complete Pre-Methods can undertake any Units 1 & 2 VCE study.

### METHOD OF ASSESSMENT

- Tests
- Assignments
- Examinations

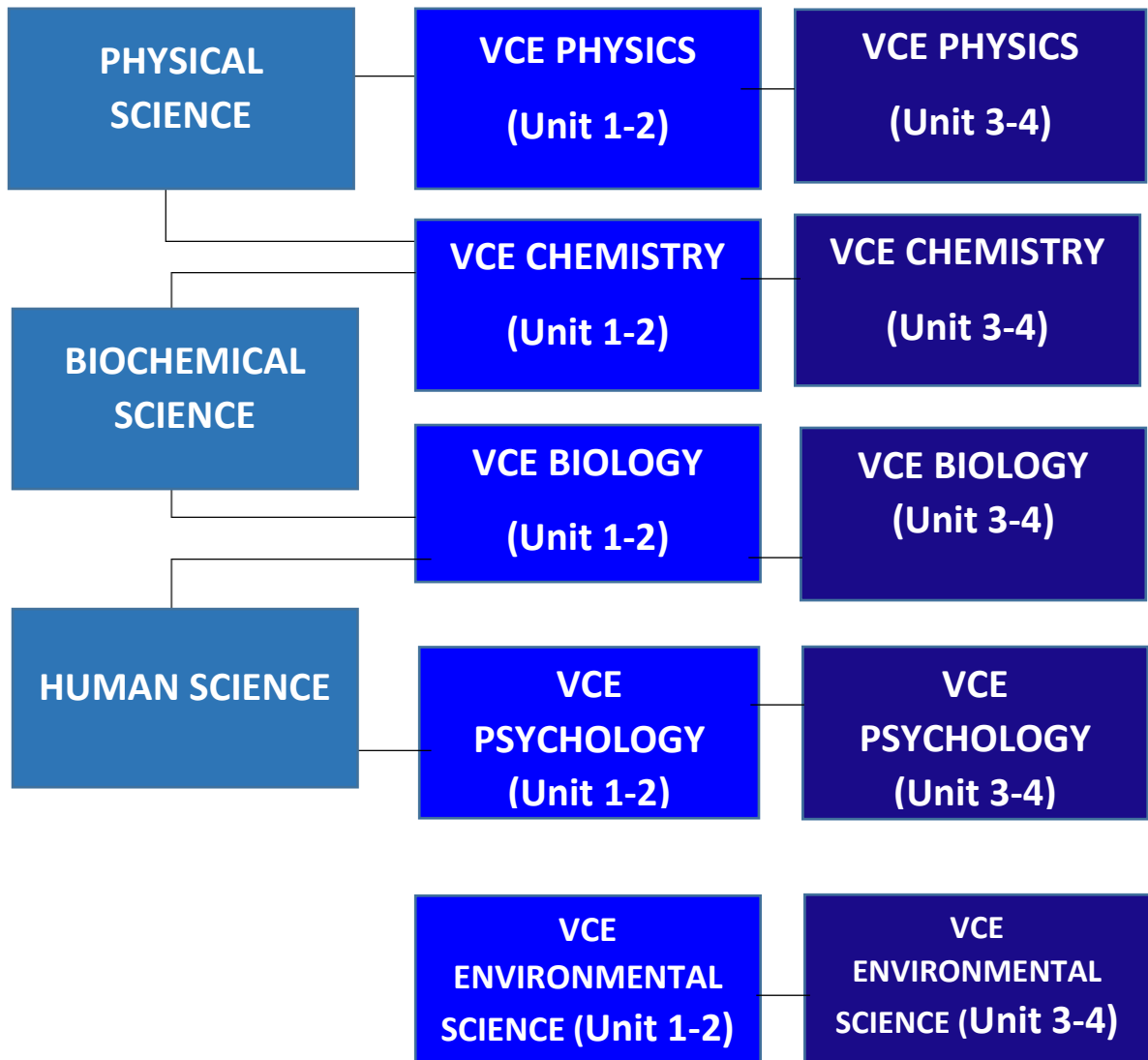
### ADDITIONAL COST

- Additional class materials
- Approximately \$25
- Students will need a CAS Calculator

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## SCIENCE

It is highly recommended that students undertake TWO Year 10 Science units prior to studying VCE subjects.



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# BIOCHEMICAL SCIENCE

## COURSE OUTLINE

Students will explore both Biology and Chemistry topics. It is highly recommended that students undertake this study if they wish to pursue Chemistry and/or Biology at a VCE level in future years.

**In Chemistry:** students will explore bonding models (ionic, covalent and metallic) and will learn to write balanced formulae and equations. They will also investigate and identify different categories of chemical reactions. Students will investigate aspects of organic Chemistry, and learn to draw and provide correct names for simple carbon-based molecules, isomers and functional groups. The chemical basis of energy pathways of living organisms will be explored.

**In Biology:** Students will investigate the chemical basis of the molecules of life including the biomacromolecules that make up cells, the processes and cell components involved in protein manufacture and the structure and function of enzymes. The function of the innate and adaptive immune system with a particular focus on the cells of the immune system will also be explored.

## METHOD OF ASSESSMENT

The assessment is a combination:

- Tests
- Research projects
- Practical work
- Exam at the end of the Semester.

## ADDITIONAL COST

- Additional class materials
- Approximately \$30

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# PHYSICAL SCIENCE

## COURSE OUTLINE

Students will explore both Physics and Chemistry topics. It is highly recommended that students undertake this study if they wish to pursue Chemistry and/or Physics at VCE level.

**In Chemistry:** students will investigate the Periodic Table and its development. They will study atomic structure and determine electronic configurations of elements. They will learn to write balanced formulae and equations, and calculate empirical and molecular formulae and number of moles of a compound based on numerical data provided.

**In Physics:** students will develop and understanding of the constancy of the “big” ideas of science (matter, energy, time and space). Students will investigate and analyse everyday motions, using models to describe how energy is transferred and transformed. Students will design their own investigation task to test a hypothesis and perform data analysis on their results using the scientific method.

## METHOD OF ASSESSMENT

The assessment is a combination of:-

- Tests
- Research projects
- And practical work.
- Exam at the end of the Semester

## ADDITIONAL COST

- Additional class materials
- Approximately \$30

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# HUMAN SCIENCE

## COURSE OUTLINE

Students will explore both Biology and Psychology related topics. It is highly recommended that students undertake this study if they wish to pursue Psychology and/or Biology at a VCE level in future year.

**In Biology** The overall focus of this topic is 'The science of health?' Students will study the components of good health, infectious and non-infectious disease (including genetic, lifestyle and environmental disease), and mental health disorders. The genetics of simple inheritance, including the, inheritance of cystic fibrosis and blood types will be explored.

**In Psychology** students will undertake a systematic study of thoughts, feelings and behaviours. Through an exploration of current issues and theories, students will develop an understanding of the social, developmental, perceptual, cognitive and physiological aspects of human behaviour involving the brain and nervous system, sleep emotions and body language.

## METHOD OF ASSESSMENT

The assessments will be based on:

- Experimental reports, investigations, assignments and topic tests
- An exam will be held at the end of the semester

## ADDITIONAL COST

- Additional class materials
- Approximately \$30

# HUMANITIES

It is highly recommended that students undertake **TWO** Year 10 Humanities elective subjects prior to studying VCE subjects.



<b>HISTORY</b> The Decisive Decades <b>HISTORY</b> Crisis and Conflict: the new world order  <b>GLOBAL CONNECTIONS</b>  <b>MONEY &amp; MARKETS</b>  <b>YOU &amp; THE LAW</b>	<b>VCE HISTORY</b> <b>UNITS 1 &amp; 2</b>	<b>VCE HISTORY</b> <b>UNITS 3 &amp; 4</b>
	<b>VCE GEOGRAPHY</b> (Unit 1-2)	<b>VCE GEOGRAPHY</b> (Unit 3-4)
	<b>VCE LEGAL STUDIES</b> (Unit 1-2)	<b>VCE LEGAL STUDIES</b> (Unit 3-4)
	<b>VCE BUSINESS MANAGEMENT</b> (Unit 1-2)	<b>VCE BUSINESS MANAGEMENT</b> (Unit 3-4)
	<b>VCE ACCOUNTING</b> (Unit 1-2)	<b>VCE ACCOUNTING</b> (Unit 3-4)
	<b>VCE AUSTRALIAN &amp; GLOBAL POLITICS</b> (Unit 1-2)	<b>VCE AUSTRALIAN &amp; GLOBAL POLITICS</b> <b>UNITS 3 &amp; 4</b>

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## HISTORY – THE DECISIVE DECADES

### COURSE OUTLINE

This course examines the dramatic events that Australians lived through at the beginning of the 20th Century. Australia's involvement in the Great War and the experiences of Australians in the trenches as well as the effect of the war on the civilians left at home, are key elements of this course. In the Twenties, Australians returned to a bright future. Jazz, new technology and gangsters, all had a role to play. This bright future was lost with the Great Wall Street Crash of 1929. The depression affected every part of Australian society and we examine how this event caused us to rethink our International Relations. Then a new threat emerged and the war with Japan threatened Australia's existence. We examine the importance of the American Alliance and the potential impact of nuclear technology. Through this time, new civil rights movements began to emerge.

### METHOD OF ASSESSMENT

- Research tasks
- Image Analysis
- Essays
- Exam

### ADDITIONAL COST

- Additional course materials, subject competitions, incursions, preparation of fieldwork and excursion materials
- Approximately \$20

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## HISTORY - CRISIS AND CONFLICT - THE NEW WORLD ORDER

### COURSE OUTLINE

Australia and the world emerged from World War 2 full of optimism. With the founding of the UN, the world was meant to move into an era of peace and prosperity. However, conflict has never been far away. Dictators and despots have ruled and terrorism became the new form of war.

At the same time, the Civil rights Movements in America and Australia improved conditions for millions of people. YouTube and Facebook have become the new front in modern wars. Australians have helped fight these dictators from the sands of Africa to the jungles of Asia.

### METHOD OF ASSESSMENT

- Research Tasks
- Image Analysis
- Essays
- Exam

### ADDITIONAL COST

- Additional course materials, subject competitions, incursions, preparation of fieldwork and excursion materials
- Approximately \$20



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# MONEY AND MARKETS

## COURSE OUTLINE

The aim of the course is to provide students with knowledge and competency in managing money and personal finance. Investment options available to Australian consumers will be explored and the relationship between risk and returns analysed. Students will be able to look at enterprise and innovation and the contributions made by small business to the Australian economy. We will focus on an understanding of how the Australian economy is managed and operates efficiently and effectively. Economic issues, such as, unemployment, inflation and distribution of income and wealth, which will be investigated and analysed.

Some of the topics covered will be: managing money effectively, including payment options, managing credit and consumer rights, investment options such as bank interest, property and the share market.

This subject will provide students with the key skills and knowledge for entry into VCE Business Management and Accounting.

## METHOD OF ASSESSMENT

Assessment is based on:

- Classwork
- Assignment
- Participation in the Share Market Game and tests
- Exam at the end of semester

## ADDITIONAL COST

- Additional course materials, subject competitions, incursions, preparation of fieldwork and excursion materials
- Approximately \$20

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# YOU AND THE LAW

## COURSE OUTLINE

In this subject, students will investigate how the law affects young people in their everyday lives. Students will gain an understanding of their rights as well as their obligations with respect to the law. They will learn about the process of decision making in Australian society and how they as individuals can contribute by being active citizens.

This subject will provide students with the key skills and knowledge for entry into VCE Legal Studies.

The topics covered in this course include the following:

- Government and Democracy
- Human rights
- Australia's Court System
- Global citizenship and identity

## METHOD OF ASSESSMENT

Assessment is based on:

- Class work
- Assignment
- Tests
- Exam

## ADDITIONAL COST

- Additional course materials, excursion materials and exam preparation
- Cost of transport to the Magistrates' Court and Parliament if held
- Approximately \$20

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# GLOBAL CONNECTIONS

## COURSE OUTLINE

This elective offers students the opportunity to expand their geographic knowledge and understanding of current issues that affect large areas of the world for both people and environments.

In the twenty-first century, the world faces many environmental challenges. These challenges range from a local scale, such as rapid erosion of coastlines, through to a global scale, such as the threat of global warming. We will explore issues associated with environmental change and management to understand how people and environments are interconnected and how to manage for a sustainable future. Coastal fieldwork at Portsea will be an important part of our geographical learning.

Human wellbeing varies considerably across the world and our second unit explores “Contrasts in Living conditions” through questions such as: How can wellbeing be measured and compared? What is being done to make poverty history? Students will be able to explore further an area of interest through their individual geographical inquiry.

This subject will provide students with the key skills and knowledge for entry into VCE Geography.

## METHOD OF ASSESSMENT

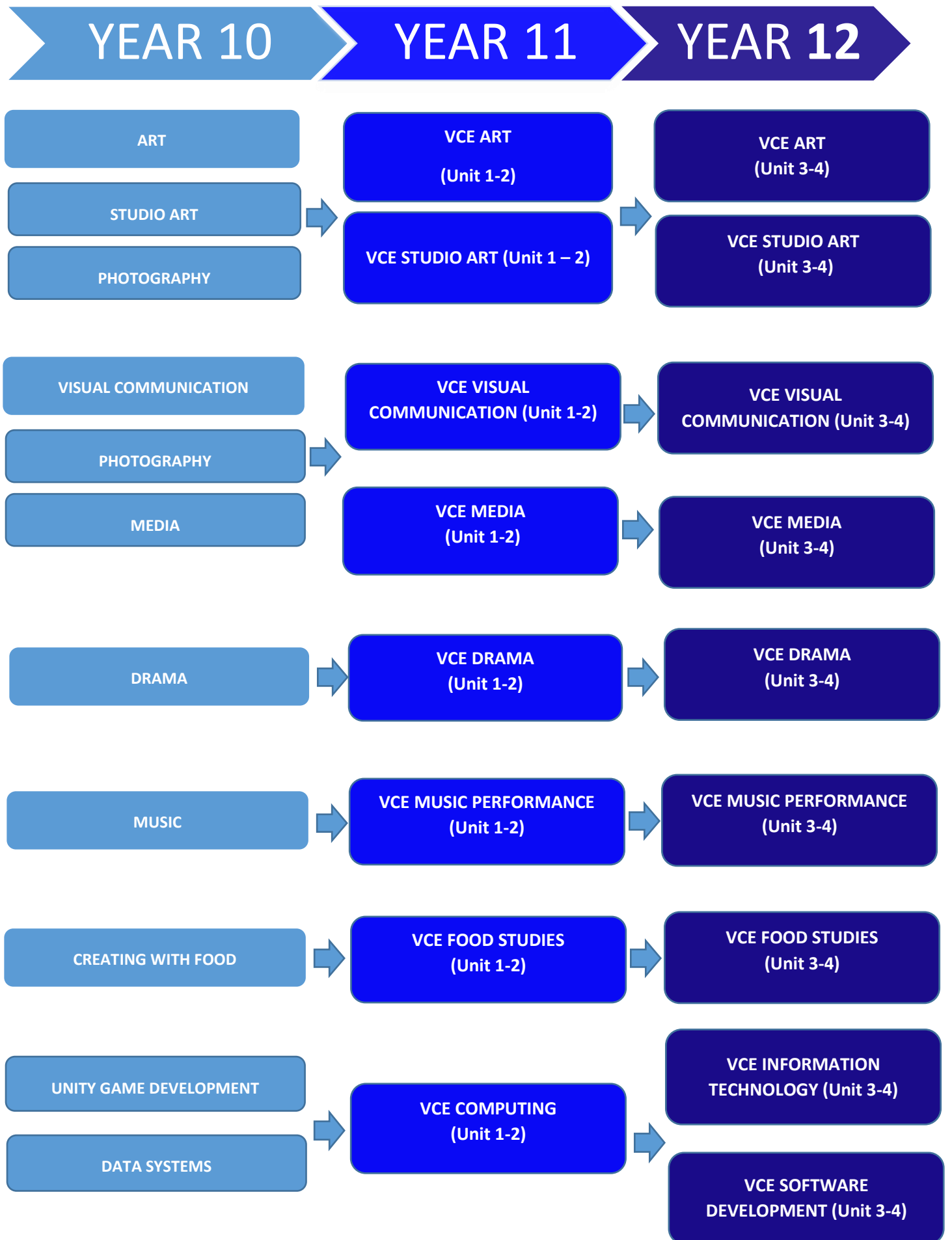
Assessment is based on a range of activities including:

- Simulation games
- Unit tests
- Mapping and graphic activities
- Fieldwork participation and report
- Geographical enquiry
- Discussions
- Debates and
- Semester exam

## ADDITIONAL COST

- Additional course materials
- Australian Geography Competition entry
- incursion
- fieldwork materials
- Fieldwork is an essential part of geographical education
- Approximately \$20

# ARTS & TECHNOLOGY



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# ART

## COURSE OUTLINE

Students will develop skills in creating two major painting artworks. They will use a Visual Diary to investigate and record the use of materials, methods and techniques and art elements and principles. Students will develop resolved artworks based on their developmental work using personal idea and art concepts as starting points. Students will respond to the artwork of 20<sup>th</sup> century artists with a particular focus on the modern art movement and social issues in contemporary art. Art appreciation and analysis tasks will reflect the practical tasks that students undertake and students will learn to write critically about art using the four analytical frameworks.

## METHOD OF ASSESSMENT

- Visual Diary – recording and developing skills and ideas
- Resolved artworks based on the methods introduced
- Research tasks as appropriate
- Exam
- Artworks

## ADDITIONAL COST

- Additional class materials
- Approximately \$85

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# UNITY GAME DEVELOPMENT

## COURSE OUTLINE

Students learn to build games for the powerful and versatile Unity game engine, including coding in C#.

The course begins with an introductory tutorial, to familiarise students with the Unity interface and coding in C# using Visual Studio. The completion of the tutorial is the first assessment.

Secondly, students explore a series of C# tutorials, and complete a number of 'Console Applications' that teach important coding concepts. Coding skills are assessed with a test.

Finally, students complete a game-development assignment that involves planning and designing a game, then building and analysing a prototype. The process and assessment criteria draw heavily from the Problem Solving Methodology used in VCE Applied Computing subjects, with an emphasis on project management and planning, not just the final product.

## METHOD OF ASSESSMENT

- Introductory tutorial
- Test on C# coding and computer science concepts
- Final project: design game, then build prototype in Unity
- Examination

## ADDITIONAL COST

- Additional class materials
- Approximately \$20

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# DRAMA

## COURSE OUTLINE

Drama at Year 10 is designed to prepare students for the challenges of VCE Drama and builds upon the core expressive skills developed in earlier studies.

Students explore the development and presentation of characters through a range of practical activities such as structured improvisation, script work, skill-building workshops and staged performances.

Students are also engaged in the technical and theoretical elements of theatre practice, learning about historical practitioners and their styles of acting and theatre making. At Year 10, students deepen their understanding of basic vocal and physical expression and learn how to apply this to a range of stylised contexts.

## METHOD OF ASSESSMENT

- Theoretical analysis tasks
- Research
- Performance
- Exam

## ADDITIONAL COST

- Additional class materials
- Approximately \$45

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# CREATING WITH FOOD

## COURSE OUTLINE

This is a theoretical and practical subject where students investigate the chemical, physical, sensory and functional properties of food. Students will use the design processes (investigate, generate, produce, evaluate, collaborate and manage) to safely create a variety of health-designed food productions. Students will also explore how key foods used are produced from paddock to plate. Students will continue to develop their practical skills and techniques using various tools and equipment, in addition to evaluating food using sensory descriptors and tests.

## METHOD OF ASSESSMENT

- Practical activities
- Design brief assignment
- Test
- Exam

## ADDITIONAL COST

- Additional class materials and food items
- Approximately \$115

## EXTRA MATERIALS

- A container
- Ingredients to prepare a dish in accordance with a design brief

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# MEDIA

## COURSE OUTLINE

In Media “Noir Cinema”, students will learn more sophisticated ways of using a variety of cinematic techniques to capture, manipulate and present creative video content. With a focus on exploring the conventions of genres and styles, students will plan and script productions, and use advanced camera and editing techniques to create a variety of genre based video and print pieces. Students will also watch and analyse a range of film and video pieces, in order to gain a greater appreciation for the complexities and impact of media, film and video in the 21<sup>st</sup> Century

## METHOD OF ASSESSMENT

- A range of short video pieces
- Written film analysis
- Genre based shot film project

## ADDITIONAL COST

- Additional class materials
- Approximately \$65

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# MUSIC

## COURSE OUTLINE

Students work with classroom and instrumental teachers to develop their practice and performance skills and their understanding of the range of musical styles. Composition, arranging and recording tasks are linked to and enhance the other learning activities. Theory and aural skills are developed through weekly workbook tasks.

## METHOD OF ASSESSMENT

- A range of short video pieces
- Written film analysis
- General based shot film project

## ADDITIONAL COST

- Additional class materials
- Approximately \$45

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# INSTRUMENTAL MUSIC

## COURSE OUTLINE

Instrumental music is subject to availability and is undertaken **in addition to a full academic program**. In Instrumental Music, students follow a structured syllabus. Students have small groups and when ready, individual lessons with the Instrumental teachers. The subject is part of the Instrumental Music Program, which aims to provide performance opportunities within the school and in the wider community. The preparation and participation in these performances engage students in a wide range of learning activities from personal organisation and commitment to an ensemble, to mentoring and leadership. Instrumental Music students may opt for AMEBG examinations and/or focus on preparation for VCE Music subjects. For details of Instrumental lessons available and other details of the program, please consult the Koonung Secondary College Instrumental Music Program booklet.

Students attend one half hour lesson each week on a rotating basis. Priority for before and after school session is given to senior students.

## METHOD OF ASSESSMENT

- Music performance – one assessment each term
- Music preparation – Performance - Practice, Rehearsal and performance (Group) - Short regular tests.
- Music Language – Theory and aural skills test (related to assessment pieces)

## ADDITIONAL COST

- Additional classroom materials and extra charges for excursions and special events
- Please see separate instrumental music booklet for more information and costs.

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# PHOTOGRAPHY

## COURSE OUTLINE

In Year 10, photography students will have the opportunity to begin learning or further develop the skills they may have learnt at Year 9. Students will be exposed to a variety of new photographic techniques, computer software programs and studio photographic equipment.

Adobe Photoshop will be covered in more details as a tool to digitally manipulate images. Students will develop their analysis skills with evaluating their own work and that of their peers.

Students will draw inspiration and knowledge from studying the work of images based on the techniques of past and current photographic artists. Students will learn how to operate a Nikon SLR camera and engage in tasks that model industry related work like portraiture and still life photography. Students will learn how to utilise light sources whilst creating dynamic compositions and learn to critically evaluate their own work.

## METHOD OF ASSESSMENT

- An online Web Folio
- Exam

## ADDITIONAL COST

- Additional classroom materials
- Approximately \$65

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# DATA SYSTEMS

## COURSE OUTLINE

Students explore the properties of data, how they are collected and represented and how they are interpreted in context to produce information.

The course begins with an introduction to data theory, including data collection (how we gather numerical, categorical and textual facts) as well as data representation and interpretation (the processes of extracting meaning from data). Secondly, students explore Microsoft Excel as a tool for data storage, analysis and representation, and its limitations for data storage.

Next students are introduced to Microsoft Access as an example of a relational database application, highlighting its advantages for data storage, organisation and interpretation. The unit culminates with a major project that incorporates the skills and knowledge from parts 1-3 into an original solution to a data problem.

This course has strong links to the VCE Applied Computing subjects offered in Years 11 and 12, including the introduction to the Problem Solving Methodology in the final project.

## METHOD OF ASSESSMENT

- Tests on MS Excel and MS Access
- Data system development project
- Examination

## ADDITIONAL COST

- Additional classroom materials
- Approximately \$20

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# STUDIO ART

## COURSE OUTLINE

Students in Studio Art explore a wide range of creative directions using a variety materials and techniques. They gain insight into a practising artist through a theory assignment analysing how an artist's work is influenced by their cultural and historical background and the materials and techniques they choose. Student begin to talk about aesthetic qualities and develop a language around art.

Practically, students explore art making as an artist. They are asked to respond to a theme and develop a range of ideas around the theme in their visual diary. Students then develop a final artwork based on their individual explorations.

## METHOD OF ASSESSMENT

- Visual Diary
- Final Artwork
- Written assignment
- Exam

## ADDITIONAL COST

- Additional classroom materials
- Approximately \$85



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# VISUAL COMMUNICATION DESIGN

## COURSE OUTLINE

In Visual Communication Design, students will learn the structure and function of the visual communication design process and implement it to complete a design brief. Students will focus on developing their understanding of the design elements and principles to create design pieces to suit a specific need.

Students will work towards completing an extended folio of work that covers the areas of idea generation, development, refinement and final presentation construction.

Students will research the three communication fields of Communication, Industrial and Environmental Design by producing folio work that reflects their understanding of these fields.

By the end of the semester, students will have knowledge and skills around these design fields, drawing techniques, researching specific design eras and investigating design industry practices.

## METHOD OF ASSESSMENT

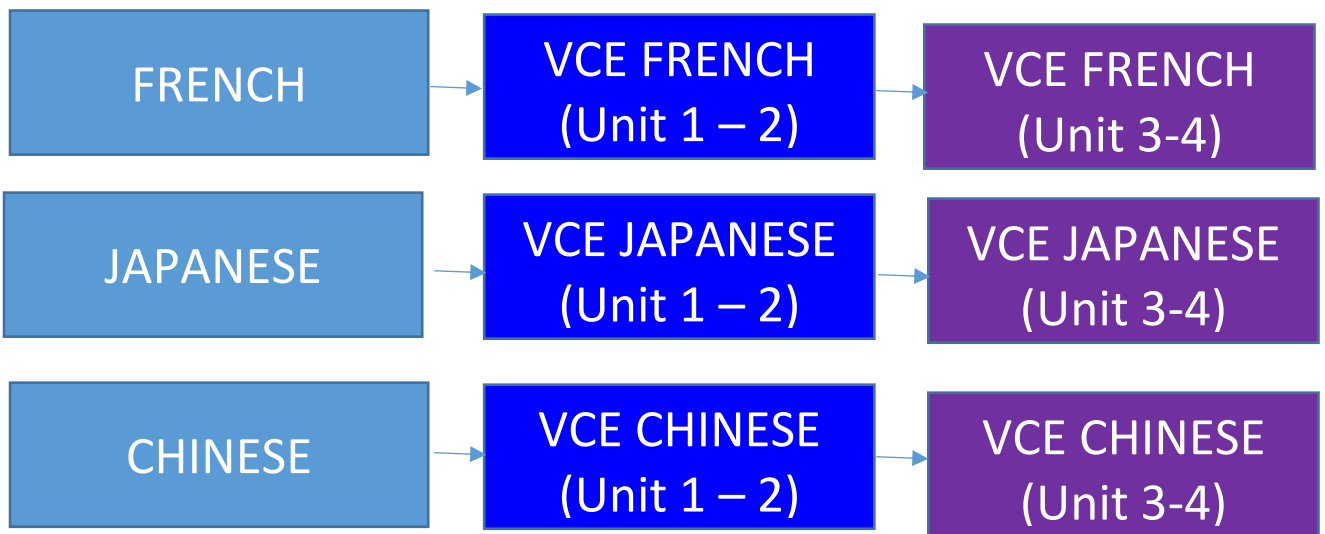
- Folio development and final presentations related to a design brief
- Written design analysis tasks
- Exam

## ADDITIONAL COST

- Additional classroom materials
- Approximately \$85

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## LANGUAGES



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## FRENCH

### COURSE OUTLINE

Students will further extend their vocabulary and increase their ability to use a variety of grammatical structures. This subject includes role-play to improve conversing in French, understanding spoken French and reading more widely. Topics include food, well-being, holidays, travel as well as film appreciation and autobiographical writing.

### METHOD OF ASSESSMENT

Students will be assessed in the four areas of listening, speaking, reading and writing in the form of:

- dialogue
- performances
- written tests
- listening comprehension tests
- complete workbook tasks
- exam

### ADDITIONAL COST

- Alliance poetry in August and cooking materials
- Approximately \$35

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## JAPANESE

### COURSE OUTLINE

This unit consolidates and looks more deeply at the grammatical structures introduced during the Middle Years Japanese program. The structures are further developed by investigation of topics such as summer holidays, school life, daily routines, family etc. Year 10 is an important preparation year for moving into VCE Japanese.

### METHOD OF ASSESSMENT

Students will be assessed in the four areas of listening, speaking, reading and writing in the form of:

- dialogue
- performances
- written tests
- listening comprehension tests
- complete workbook tasks
- exam

### ADDITIONAL COST

- ACER Language Competition in August and cooking materials
- Approximately \$35

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## CHINESE SECOND LANGUAGE

### COURSE OUTLINE

This unit introduces a full range of grammatical structures. It also prepares students for VCE Chinese. General conversation, detailed study, translation as well as writing in different text type and writing styles are studied.

### ADDITIONAL COST

- Language Perfect website yearly access fee.
- ACER language competition in August and cooking materials
- Approximately \$35

### METHOD OF ASSESSMENT

Students will be assessed in the four areas of listening, speaking, reading and writing in the form of:

- dialogue and performances
- written tests
- listening comprehension tests
- complete workbook tasks
- exam

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## HEALTH & PE

It is highly recommended that students undertake two Year 10 Health and Physical Education electives subjects prior to studying VCE health and Physical Education subjects.

### SPORT PHYSIOLOGY & PERFORMANCE

#### COURSE OUTLINE

In this unit, students will develop an in depth understanding of the human body and energy systems. Students will also develop skills in planning, implementing and evaluating a training program. Studies in acute and chronic adaptations to Physical Activity will also be covered. Practical components include laboratory activities and involvement in a range of competition and non-competitive sports/recreation program activities. Studies in this subject are linked to VCE Physical Education.

#### METHOD OF ASSESSMENT

- Movement and Physical Activity
- Semester Test
- Workbook
- Examination

#### ADDITIONAL COST

- Activities and excursions related to Training for performance
- Approximately \$45

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## HEALTH & RECREATION

#### COURSE OUTLINE

In this unit students will develop an in-depth understanding of health issues within the Australian and international population. Theoretical topics of study will include nutrition, healthy living and illness, health and physical activity trends, National Physical Activity Guidelines, disability and drugs in sport. Recreation theory topics will also be studied (ie - planning recreation activities). In the practical components of the subject, students will be involved in a range of competitive and non-competitive sport and recreation program activities. Studies in this subject are linked to VCE Health and Human Development and VCE Physical Education.

#### METHOD OF ASSESSMENT

- Practical participation
- Workbook
- Investigation task
- Exam

#### ADDITIONAL COST

- External recreational activities
- Guest speakers
- Approximately \$65