<table>
<thead>
<tr>
<th>Subject</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>2</td>
</tr>
<tr>
<td>Advanced General Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Art</td>
<td>4</td>
</tr>
<tr>
<td>Biology</td>
<td>5</td>
</tr>
<tr>
<td>Business Management</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry</td>
<td>7</td>
</tr>
<tr>
<td>Drama</td>
<td>8</td>
</tr>
<tr>
<td>Economics</td>
<td>9</td>
</tr>
<tr>
<td>English</td>
<td>10</td>
</tr>
<tr>
<td>Foundation Mathematics</td>
<td>11</td>
</tr>
<tr>
<td>General Mathematics</td>
<td>12</td>
</tr>
<tr>
<td>Health &amp; Human Development</td>
<td>13</td>
</tr>
<tr>
<td>History</td>
<td>14</td>
</tr>
<tr>
<td>Information Technology</td>
<td>15</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>16</td>
</tr>
<tr>
<td>Literature</td>
<td>17</td>
</tr>
<tr>
<td>LOTE: Indonesian</td>
<td>18</td>
</tr>
<tr>
<td>LOTE: Japanese</td>
<td>19</td>
</tr>
<tr>
<td>Mathematical Methods</td>
<td>20</td>
</tr>
<tr>
<td>Music: Solo Performance</td>
<td>21</td>
</tr>
<tr>
<td>Physical Education</td>
<td>22</td>
</tr>
<tr>
<td>Physics</td>
<td>23</td>
</tr>
<tr>
<td>Product Design &amp; Technology: Food</td>
<td>24</td>
</tr>
<tr>
<td>Product Design &amp; Technology: Textiles</td>
<td>25</td>
</tr>
<tr>
<td>Product Design &amp; Technology: Wood</td>
<td>26</td>
</tr>
<tr>
<td>Psychology</td>
<td>27</td>
</tr>
<tr>
<td>Religious Education: Religion &amp; Contemporary Issues (School Based Program)</td>
<td>28</td>
</tr>
<tr>
<td>Religious Education: Religion &amp; Society</td>
<td>29</td>
</tr>
<tr>
<td>Studio Arts</td>
<td>30</td>
</tr>
<tr>
<td>Visual Communication Design</td>
<td>31</td>
</tr>
</tbody>
</table>
ACCOUNTING UNITS 1 AND 2

Rationale
VCE Accounting introduces students to the nature of financial recording, reporting and decision making processes of a sole proprietor business. Students study both theoretical and practical aspects of accounting. Financial data will be collected and recorded, and accounting information reported, using both manual and information and communications technology (ICT) methods.

Learning Focus
Students are introduced to the processes of gathering and recording financial data and the reporting and analysing of accounting information by internal and external users. The case basis of recording and reporting is used throughout the year. Students investigate the reasons for establishing a small business and the factors that may lead to failure. The financial reports used by the owners of a small business are also studied and the purpose to each report identified. An analysis and evaluation of the performance of a small business is also studied using both financial and non-financial information. Using these evaluations, students suggest strategies to the owner on how to improve the performance of the business.

Outcomes/Assessment
Students studying Accounting Units 1 and 2 will be expected to:
Describe and analyse: the internal and external sources of finance, the role and benefits of cash and profit budgeting in planning and control, applicable accounting principles and qualitative characteristics of accounting information.
Identify and evaluate: internal control procedures, balance day adjustments and the effect on the financial reports, the quality of financial reports that are suitable to users.
Analyze and evaluate business performance using financial and non-financial information.

Accounting Curriculum Pathways
Students can continue to study Accounting in the VCE by continuing to pursue further studies in Accounting Unit 3 & 4.
ADVANCED GENERAL MATHEMATICS UNITS 1 AND 2

Rationale
Mathematics is the study of function and pattern in number, logic, space and structure. It provides both a framework for thinking and a means of symbolic communication that is powerful, logical, concise and precise. Advanced General Mathematics is designed for students who wish to enhance their understanding of mathematics and prepare for Unit 3 & 4 Specialist Mathematics.

Learning Focus
Students will work on developing their knowledge on topics taken from the key areas of study: arithmetic; algebra; functions and graphs; and geometry and trigonometry.
Unit 1 will include the study of algebra, variation, sequences and series, number systems and trigonometry and their applications.
Unit 2 will cover circular theorems, vectors, circular functions, complex and polar coordinates and kinematics.
Students will routinely solve skill based learning tasks through the completion of set exercises, application and analysis tasks.

Outcomes/Assessment
Students studying Units 1 and 2 Advanced General Mathematics will be expected to complete the following assessments:
• Assignments
• Technology and technology free tests
• Problem solving and modelling tasks
• Semester examinations

VCE Advanced General Mathematics Pathways
Students can continue to study Mathematics in the VCE by electing to undertake studies in the following subjects: Mathematical Methods (CAS) Unit 3 & 4 and Specialist Mathematics Unit 3 & 4.
ART UNITS 1 AND 2

Rationale
The VCE Art study recognises art as an integral part of our lives. Art is a potent and dynamic visual language through which we are able to communicate personal experiences, ideas, cultural values and beliefs. In both the process of making and examining art, students can realise the power to inspire change through imagination, creativity and innovation.

Learning Focus
In Unit 1 students apply the Formal and Personal Framework to interpret the meanings and messages of artworks and document the reflection of their own ideas and art making. In their practical work, they explore the characteristics and qualities of materials and areas of personal interest to generate their own artworks. In Unit 2 students identify ways in which art expresses and reflects culture. They use the Formal and Cultural Frameworks to examine the meanings and messages of selected artworks. In their practical work, students continue to explore techniques and develop personal and creative responses in their artmaking.

Assessments
Unit 1 Art and meaning/Art making and personal meaning : Outcomes
- Analyse and interpret a variety of artworks using the Formal Framework and the Personal Framework : Theory
- Present visual creative responses that demonstrate their personal interests and ideas through trialling techniques, materials and processes : Folio

Unit 2 Art and culture/ Artmaking and cultural expression : Outcomes
- Analyse, interpret, compare and contrast artworks from different cultures using the Formal Framework and the Cultural Framework : Theory
- Demonstrate technical development in the presentation of visual responses that include one finished artwork, through the exploration of selected media, materials and techniques : Folio

Visual Arts Pathways
Art provides a foundation pathway which VCE students can use as a basis for further education and training involving arts learning at TAFE or Tertiary level. The Arts domain provides opportunities for students to create and critically explore visual culture, individual arts disciplines incorporating contemporary and traditional genres, and art works that involve the fusion of traditional techniques and new forms of multi-media.
**BIOLOGY UNITS 1 AND 2**

**Rationale**
Biology is the study of living things from familiar, complex multicellular organisms that live in the many different habitats of our biosphere to single celled micro-organisms that live in seemingly inhospitable conditions. It is a study of the dynamic relationships between living things, their interdependence, their interactions with the non-living environment, and the processes that maintain them.

**Learning Focus**
In this unit, students examine the cell as the structural and functional unit of the whole organism. They investigate the needs of individual cells, how specialised structures carry out cellular activities and how the survival of cells depends on their ability to maintain a dynamic balance between their internal and external environments. Area of Study One focuses on the activities of cells and students explore the relationship between specialised structures of cells and the processes that maintain life. Area of Study Two focuses on the relationship between features of organisms and how organisms meet their requirements for life. Students examine a range of organisms investigating the ways that structures and systems function and how these are used to construct taxonomic systems.

**Outcomes/Assessment**
Students studying Unit 1 and 2 Biology will be expected to complete the following Assessments:
- Semester examinations
- Practical analysis tasks
- Tests
- Research Assignments

**Biology Pathways**
After the completion of this subject students can further their studies of Biology by completing units 3 and 4 biology.
BUSINESS MANAGEMENT UNITS 1 AND 2

Rationale
VCE Business Management examines the ways in which people at various levels within a business organisation manage resources to achieve the objectives of the organisation. Students develop an understanding of the complexity, challenges and rewards that come from business management and gain an insight into the various ways resources can be managed in small, medium and large-scale Organisation.

Learning Focus
Students will learn that small rather than large businesses make up the large majority of all businesses in the Australian economy. It is the small business sector that provides a wide variety of goods and services for both consumers and industries, such as manufacturing, construction and retail. This, combined with employment opportunities, makes the small business sector a vital component in the success, growth and stability of Australia. Small businesses are tangible to students as they are visible and accessible in daily life. This unit provides an opportunity for students to explore the operations of a small business and its likelihood of success. Students investigate communication both internal and external to the business. They develop knowledge of aspects of business communication and are introduced to skills related to its effective use in different contexts. The vital functions of marketing and public relations are considered, with students developing an understanding of the important role these functions play in the ultimate success of a business.

Outcomes/Assessment
Students studying Business Management Units 1 and 2 will be expected to:
Explain a set of generic business characteristics and apply them to a range of businesses. Apply decision-making and planning skills to establish and operate a small business, and evaluate the management of an ethical and a socially responsible small business.
Discuss one or more of the day-to-day operations associated with an ethical and a socially responsible small business, and apply the operation/s to a business situation.
Apply and justify a range of effective communication methods used in business-related situations. Analyse and evaluate effective marketing strategies, processes and public relations and apply these to small business-related situations.

Business Management Curriculum Pathways
Students can continue to study Business Management in the VCE by continuing to pursue further studies in Business Management Units 3 & 4.
Rationale
Chemistry is a key science in explaining the workings of our universe through an understanding of the properties and interaction of substances that make up matter. Most processes, from the formation of molecules in outer space to the complex biological interactions occurring in cells, can be described by chemical theories. Chemistry is used to explain natural phenomena at the molecular level, as well as create new materials such as medicines and polymers.

Learning Focus
Unit 1 focuses on the historical development of the Periodic Table and atomic theory. Students investigate trends and patterns within the Periodic Table. They explore the link between the electronic configuration of an element and the type of bonding in which it participates. Students investigate how the bonding models were developed to explain the properties of materials. They use these models to explain the properties and structure of metals, ionic compounds, and molecular, covalent network lattice and covalent layer lattice substances. They investigate the properties of alkanes and alkenes, including isomers. Students examine the reactions that occur in addition polymerisation and the properties of addition polymers. They explore the role of surfaces in the applications of nanotechnology.

Unit 2 focuses on the study of water. Students explore the special properties (chemical and physical) of water which make it so important to living things and relate the properties to chemical bonding characteristics. Students investigate chemical reactions that take place in aqueous solution by conducting practical activities on precipitation, acid-base reactions and redox reactions such as corrosion. Students investigate the concepts of solubility, concentration and pH, when dealing with problems of pollution and maintaining the quality of water. They investigate at least one process that uses the principles of green chemistry. Students use the kinetic molecular theory to explain and predict the behaviour of gases. They perform calculations using the gas laws. Students investigate the vital roles of oxygen, carbon dioxide and nitrogen through studies of the carbon and nitrogen cycles. They prepare and test the properties of one of these gases in the laboratory.

Outcomes/Assessment
Chemistry Units 1 & 2 will be assessed by:
• Classroom tests
• Practical reports
• Summary reports of practical work
• Second-hand data interpretation
• Responding to stimulus material
• Semester exams

Chemistry Units 1 & 2 Pathways
Students who successfully complete Units 1 & 2 Chemistry may continue to study Units 3 & 4 Chemistry.
DRAMA UNITS 1 AND 2

**Rationale**
People tell stories, explore ideas, make sense of their worlds and communicate meaning through drama. Drama develops personal and social identity. VCE Drama connects students to the traditions of drama practice and, through the processes of devising and performing drama, allows them to explore, understand and respond to the contexts, narratives and stories that shape their worlds. The study requires students to be creative and critical thinkers. Through work as solo and ensemble performers and engagement with the work of professional drama practitioners, students develop an appreciation of drama as an art form and develop skills of criticism and aesthetic understanding. VCE Drama equips students with knowledge, skills and confidence to communicate as individuals and collaboratively in social and work-related contexts. The study of drama can provide pathways to training and tertiary study in acting, communication and drama criticism.

**Learning Focus**
These units focus on creating, presenting and analysing a devised performance that includes real or imagined characters. Students create solo and ensemble performances and manipulate expressive skills in the creation and presentation of characters. They develop an awareness and understanding of how characters are portrayed in naturalistic and non-naturalistic performance style/s. Students also gain an awareness of how performance is shaped and given meaning. They investigate a range of stimulus material and learn about stagecraft, theatrical conventions and performance styles from a range of social and cultural contexts. Students analyse their own performance work and that of other professional practitioners.

**Outcomes/Assessment**
Students studying Units 1 and 2 Drama will be expected to complete the following assessment tasks:
- Ensemble and solo performances
- Documentation of creative processes
- Written analyses
- Examinations

**Drama Pathways**
Students have the opportunity to complete Units 3 and 4 Drama. This may lead to tertiary studies in acting, direction, stage management, theatre design and playwriting.
**ECONOMICS UNIT 1 AND 2**

**Rationale**
Economics is the study of how individuals and societies use resources to satisfy needs. It is central to understanding why individuals and societies behave as they do. Economic decisions are about resource use in producing goods and services and about the distribution of the proceeds of production. To understand the basis for these decisions, and their impact, requires an understanding of basic economic principles and concepts.

**Learning Focus**
Students will develop an awareness of the links between economics and the influence of political, ethical, environmental and social forces on economic decision making. Students develop an ability to identify, collect and process data from a range of sources. They use the inquiry process to plan economics investigations, analyse data and form conclusions supported by evidence. They also use economic reasoning, including cost-benefit analysis, to solve economic problems. This assists students to better understand the economy and its role in society and environment, along with the values and attributes underpinning it.

**Outcomes/Assessment**
Students studying Economics Units 1 and 2 will be expected to:
- Closely examine how a society organises itself to meet the needs and wants of its citizens. Specific focus is on markets and what factors influence prices and resource allocation.
- Analyse and describe economic events and their impact on growth, living standards and the environment. Specific focus is on Gross Domestic Product, inflation and distribution of wealth and income.

**Economics Curriculum Pathways**
Students can continue to study Economics in the VCE by continuing to pursue further studies in Economics Unit 3 & 4.
ENGLISH UNITS 1 AND 2

Rationale
The study of English encourages the development of literate individuals capable of critical and imaginative thinking, aesthetic appreciation and creativity. The mastery of the key knowledge and skills described in this study design underpins effective functioning in the contexts of study and work as well as productive participation in a democratic society in the twenty-first century.

Learning Focus
The focus of unit 1 is on the reading of a range of texts, particularly narrative and persuasive texts, in order to comprehend, appreciate and analyse the ways in which texts are constructed and interpreted. Students will develop competence and confidence in creating written, oral and multimodal texts. The term ‘set text’ refers to texts chosen by the school for the achievement of Outcomes 1 and 2.

The focus of unit 2 is on reading and responding to an expanded range of text types and genres in order to analyse ways in which they are constructed and interpreted, and on the development of competence and confidence in creating written, oral or multimodal texts. The term ‘set text’ refers to texts chosen by the school for the achievement of Outcomes 1 and 2.

Outcomes/Assessment
Students studying Units 1 and 2 English will be need to satisfactorily complete:

- Two text response essays
- Two contextual responses
- One oral speech conveying an opinion
- Language analysis essay
- End of year examination

Pathways
Students continue with English throughout the Senior School completing Units 3 & 4. The study of subject English is regarded as a priority throughout secondary schooling and is compulsory at every level.
### Rationale
In Foundation Mathematics there is a strong emphasis on using mathematics in practical contexts relating to everyday life, recreation, work and study. Students are encouraged to use appropriate technology in all areas of their study. This unit involves the study of Measurement, Theorem of Pythagoras, Trigonometry, Number, Travelling around Australia, Cooking and Budgeting. Students are required to define and explain key concepts as specified in the content from each area of study, and to develop mathematical ideas, produce results and carry out analysis in situations requiring problem solving, investigative techniques or in application tasks.

### Learning Focus
Students will be required to define and explain key concepts, in relation to the topics from selected areas of study, and apply a range of related mathematical routines and procedures. They will apply mathematical processes in non-routine contexts to solve practical problems in familiar and new contexts. They will select and appropriately use technology to develop mathematical ideas, produce results and carry out analyses in situations requiring problem solving, modelling or investigative techniques of approaches.

### Outcomes/Assessment
Students studying Foundation Mathematics Units 1 and 2 will complete the following assessments:
- Topic Tests
- Problem solving and extended investigation tasks
- Semester examinations

### Foundation Mathematics Unit 1 & 2 Pathways
Foundation Mathematics Units 1 and 2 do not provide a basis for undertaking Unit 3 and 4 studies in Mathematics. Foundation Mathematics Units 1 and 2 provide continuing mathematical development of students entering VCE who need mathematical skills to support their other VCE subjects, including VET studies.
GENERAL MATHEMATICS UNITS 1 AND 2

Rationale
General Mathematics provides a course of study for a broad range of students that may be implemented in a number of ways. The appropriate use of technology to support and develop the teaching and learning of mathematics is to be incorporated throughout the course. This may include the use of some of the following technologies for various areas of study or topics: graphics calculators, spreadsheets, graphing packages, dynamic geometry systems, statistical analysis systems, and computer algebra systems.

Learning Focus
Throughout the year, students study ‘Data analysis,’ Linear relations and equations’, ‘Geometry and trigonometry’, Bivariate Data, Linear Relationships, Networks and Matrices. The appropriate use of technology to support and develop learning of mathematics is incorporated throughout the course. Students are required to define and explain key concepts as specified in the content from each area of study, and to apply mathematical processes in routine and non-routine contexts. Students are expected to select and appropriately use technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem solving, modelling or investigative techniques.

Outcomes/Assessment
Students will be assessed using School Assessed Coursework covering the following areas:
- Topic test
- Problem solving and extended investigation tasks.
- Semester examinations

General Mathematics Units 1 and 2 Pathways
General Mathematics provides a course of study for a broad range of students that may be implemented in a number of ways. Some students may not study mathematics beyond Units 1 and 2 while others will intend to study Further Mathematics Units 3 and 4.
HEALTH AND HUMAN DEVELOPMENT UNITS 1 AND 2

Rationale
The study of Health and Human Development is based on the premise that health and human development needs to be promoted at an individual level, and within group and community settings at national and international levels, to maximise global development potential. This underpins the structure of Health and Human Development subject. The study also promotes the understanding that nutrition plays a major role in influencing both health status and individual human development.

Learning Focus
This study of Health and Human Development is designed to enable students to develop an understanding of individual human development (physical, social, emotional and intellectual) that occurs through the lifespan stages of childhood, youth and adulthood. Students will develop an understanding of the physical, mental and social dimensions of health and the interrelationship between health and individual human development. They will also develop an understanding that variations in health and human development are influenced by a range of determinants including biological and behavioural factors, as well as physical and social environments.

Outcomes/Assessment
Students studying Unit 1 and 2 Health and Human Development will be expected to complete the following Assessments:

• Topic tests
• Oral presentation and written report
• Data Analysis

Health and Human Development Pathways
Students may continue their studies of Health and Human Development by studying Unit 3/4 Health and Human Development.
### HISTORY UNITS 1 AND 2

#### Rationale
History is the practice of understanding and making meaning of the past. It is also the study of the problems of establishing and representing that meaning. It is a synthesising discipline which draws upon most elements of knowledge and human experience. Historical understanding is communicated through written, oral and visual forms. The analysis of written documentary evidence such as letters, diaries, court proceedings and government records has long been the foundation of the study.

#### Learning Focus
Students will be learning about the conquest and resistance of a nation in the context of India in Semester 1. Students look how a colonising power has taken over and ruled another nation, that nation’s resistance and struggles for independence. In Semester 2 students look at significant people of power in a historical context and their influence of the people of a nation and its implications this has for the populous. Students are involved in document analysis of historical items.

#### Students studying History Units 1 and 2 will be expected to:
- Analyse and apply historical accounts knowledge to a number of source materials to draw conclusions regarding the accuracy and meaning of key issues surrounding the colonising experience.
- Understand and explain the key ideas and influences of political struggle for national independence, the role of nationalist movements and political parties and the tensions caused by the British regime.
- Discuss and analyse the characteristics of Early and late Middle Ages economy, politics and society and the ideas practices and authority of the Medieval Catholic Church.
- Discuss changes in authority which altered social groups and structures resulting in liberal authority and equality, including the language and symbols to justify their position.

#### History Curriculum Pathways
Students can continue to study History in the VCE by continuing to develop their inquiry and literacy skills further in Unit 3 & 4 History Revolutions.
INFORMATION TECHNOLOGY UNITS 1 AND 2

Rationale
VCE Information Technology focuses on the processing of data and the management of information and information systems. The rapid pace of development in information and communications technology (ICT) is having a major influence on many aspects of society. Not only does ICT provide the capacity to change how tasks and activities are undertaken, but it also creates new opportunities in work, education, entertainment and society.

Learning Focus
This Year Long subject which is broken into two units focuses on how individuals and organisations use, and can be affected by, information and communications technology (ICT) in their daily lives. In Areas of Study 1 and 3, students acquire and apply a range of knowledge and skills to manipulate different data types such as numeric, text, sound and images (still and moving) to create solutions that can be used to persuade, educate, inform and entertain. In Area of Study 2, students examine how networked information systems allow data to be exchanged locally and within a global environment. Unit 2 focuses on how individuals and organisations use ICT to meet a range of purposes. Students apply a range of knowledge and skills to create solutions, including those that have been produced using a programming or scripting language, to meet users’ needs. In this unit, students apply all stages of the problem-solving methodology when creating solutions. In Area of Study 1 students analyse data from large repositories and manipulate selected data to create visualisations. In Area of Study 2 students develop skills in using programming or scripting language software and they investigate careers that involve the use of these skills. Working in teams is an important and effective strategy for solving problems, and this strategy is applied in Area of Study 3 when students solve problems for clients in the community.

Outcomes/Assessment
Students studying Unit 1 and 2 Information Technology will be expected to complete the following Assessments;
1. Examination at the end of each semester
2. Spread sheet solution to persuade a client
3. Network Test
4. A website to persuade and educate on ICT Issues
5. Data visualisations report
6. Programming Folio
7. Develop a Website for a Client

Information Technology Pathways
Students can continue to study Information Technology in the VCE by electing to undertake studies in the following subject Information Technology Applications Unit 3 & 4
LEGAL STUDIES UNITS 1 AND 2

Rationale
VCE Legal Studies examines the processes of law-making, dispute resolution and the administration of justice in Australia. Students develop an understanding of the impact of the legal system on the lives of citizens, and the implications of legal decisions and outcomes on Australian society. The study provides students with an appreciation of how individuals can be involved in decision-making within the legal system, encouraging civic engagement and helping them to become more informed and active citizens.

Learning Focus
The law influences all aspects of society – at home, at work and in the wider community. Laws are used by society to preserve social cohesion, and to ensure the protection of people from harm and from the infringement of their rights. These laws can be grouped according to their source and whether they are criminal or civil in nature. Following an overview of the law in general, this unit focuses on criminal law.
Students examine the need for laws in society. They investigate the key features of criminal law, how it is enforced and adjudicated and possible outcomes and impacts of crime. Through a consideration of contemporary cases and issues, students learn about different types of crimes and explore rights and responsibilities under criminal law. Students investigate the processes and procedures followed by courts in hearing and resolving criminal cases. They explore the main features and operations of criminal courts and consider the effectiveness of the criminal justice system in achieving justice.

Outcomes/Assessment
Students studying Legal Studies Units 1 and 2 will be expected to:
Describe and analyse the need for Law; the elements of criminal liability law, crimes against the person and property, the court hierarchy, the role of courts in law making, the process of dispute resolution and the protection of rights.
Identify and evaluate criminal and civil law, criminal sanctions, the jurisdiction of courts within the hierarchy and the processes of dispute resolution.

Legal Studies Curriculum Pathways
Students can continue to study Legal Studies in the VCE by continuing to pursue further studies in Legal Studies Unit 3 & 4.
LITERATURE UNITS 1 AND 2

Rationale
The study of literature focuses on the enjoyment and appreciation of reading that arises from discussion, debate and the challenge of exploring the meanings of literary texts. Students reflect on their interpretations and those of others. The study is based on the premise that meaning is derived from the relationship between the text, the context in which it was produced and the experience of life and literature the reader brings to the texts. The study of literature encourages independent and critical thinking in students’ analytical and creative responses to texts, which will assist students in the workforce and in future academic study.

Learning Focus
This unit focuses on the ways literary texts represent human experience and the reading practices students develop to deepen their understanding of a text. Students respond to a range of texts personally, critically and creatively. This variety of approaches to reading invites questions about the ideas and concerns of the text. While the emphasis is on students’ close engagement with language to explore texts, students also inform their understanding with knowledge of the conventions associated with different forms of text, for example poetry, prose, drama and/or non-print texts.

Outcomes/Assessment
Students studying Units 1 and 2 Literature will be need to satisfactorily complete:
- Oral presentation on personal context and interpretation
- Short Story using Tim Winton as inspiration
- Film analysis
- Comparative essay
- Screenplay
- Social commentary

Pathways
Students who satisfactorily complete Units 1 and 2 of Literature have the option of completing Units 3 and 4 of either English or Literature. They also have the option to do both English and Literature.
# LOTE: INDONESIAN UNITS 1 AND 2

## Rationale
The study of a language other than English contributes to the overall education of students, most particularly in the area of communication, but also in the areas of cross-cultural understanding, cognitive development, literacy and general knowledge. It provides access to the culture of communities which use the language and promotes understanding of different attitudes and values within the wider Australian community and beyond.

## Learning Focus
This study of language is designed to enable students to:
- use Indonesian to communicate with others;
- understand and appreciate the cultural contexts in which Indonesian is used;
- understand their own culture(s) through the study of other cultures;
- understand language as a system;
- make connections between Indonesian and English, and/or other languages;
- apply Indonesian to work, further study, training or leisure.

## Outcomes/Assessment: UNITS 1 and 2

**Outcome 1:**
- informal conversation or reply to personal letter/fax/email.

**Outcome 2:**
- listen to spoken texts (e.g. conversations, interviews, broadcasts) to obtain information to complete notes, charts or tables in Indonesian or English and read written texts (e.g. extracts, advertisements, letters) to obtain information to complete notes, charts or tables in Indonesian or English.

**Outcome 3:**
- oral presentation or review or article

## LOTE Pathway
Students studying Indonesian can continue to study in Year 12 Units 3 and 4. As students approach the end of the compulsory years of schooling they begin to make choices about their preferred areas of and pathways for learning. Students choose studies from the Victorian Certificate of Education (VCE) or recognised vocational training through either a Vocational Education Training (VET) program or the Victorian Certificate of Applied Learning (VCAL).
Rationale
The study of a language other than English contributes to the overall education of students, most particularly in the area of communication, but also in the areas of cross-cultural understanding, cognitive development, literacy and general knowledge. It provides access to the culture of communities which use the language and promotes understanding of different attitudes and values within the wider Australian community and beyond.

Learning Focus
The detailed study of Japanese enables students to explore and compare aspects of the language and culture of the Japanese-speaking community through a range of oral and written texts in Japanese related to the selected sub-topic. This aims to develop students’ knowledge and understanding of, for example, historical issues, aspects of contemporary society or the literary or artistic heritage of the community. The texts which form the basis of this study might include feature films, short films, short stories, songs, newspaper articles, electronic texts, documentaries, music, painting and oral histories. The length of texts selected will vary depending on the type of text, its density and level of complexity. In order for the student to be able to explore their sub-topic in sufficient depth to meet the relevant outcomes, it is suggested that a range of at least three different texts are selected.

Outcomes/Assessment
Outcome 1 - On completion of this unit the student should be able to establish and maintain a spoken or written exchange related to personal areas of experience.
Outcome 2 - On completion of this unit the student should be able to listen to, read and obtain information from spoken and written texts.
Outcome 3 - On completion of this unit the student should be able to produce a personal response to a text focusing on real or imaginary experience.

LOTE: Japanese Pathways
Students can select to continue the study of Japanese in Year 12, Units 3 and 4. As students approach the end of the compulsory years of schooling they begin to make choices about their preferred areas of and pathways for learning. Students choose studies from the Victorian Certificate of Education (VCE) or recognised vocational training through either a Vocational Education Training (VET) program or the Victorian Certificate of Applied Learning (VCAL).
Rationale
Mathematics is the study of function and pattern in number, logic, space and structure. It provides both a framework for thinking and a means of symbolic communication that is powerful, logical, concise and precise. It also provides a means by which people can understand and manage their environment. Essential mathematical activities include calculating and computing, abstracting, conjecturing, proving.

Learning Focus
There are four major areas of focus in mathematical methods units 1 and 2: Functions; Rates of Change and Calculus; Algebra; and Probability.
Algebra focuses on problem solving and manipulation of polynomial functions to degree 4, circular functions, exponential functions and logarithmic functions.
Functions covers the graphical representation of functions of a single real variable and the study of key features of graphs of functions such as axis intercepts, domain and range of a function, asymptotic behaviour and symmetry.
Probability covers introductory probability theory, including the concept of events, probability and representation of event spaces using various forms such as lists, grids, venn diagrams, karnaugh maps, tables and tree diagrams. Impossible, certain, complementary, mutually exclusive, conditional and independent events involving one, two or three events (as applicable), including rules for computation of probabilities for compound events.

Outcomes/Assessment
Students studying Units 1 and 2 Mathematical Methods will be expected to complete the following assessments:
- A total of 6 examination-style tests (SACs), 3 per semester
- Semester examinations

VCE Mathematical Methods (CAS) Pathways
Students can continue to study Mathematics in the VCE by electing to undertake studies in the following subjects: Further Mathematics Unit 3 & 4, Mathematical Methods (CAS) Unit 3 & 4, Specialist Mathematics Unit 3 & 4.
**MUSIC SOLO PERFORMANCE UNITS 1 AND 2**

**Rationale**
Music is an integral part of all cultures and societies, both contemporary and historical. VCE Music offers students opportunities to engage in the practice of performing, creating and studying music that is representative of diverse genres, styles and cultures. Students can specialise in one or more approaches to the study of music, depending on their VCE program overall and the post-VCE pathways they may be interested in following. Students develop knowledge of stylistic, aesthetic and expressive qualities and characteristics of music and develop their ability to communicate their understanding through music making: performing, composing, arranging and/or improvising; and musicianship: aural perception, analysis and music language.

**Learning Focus**
This unit focuses on building performance and musicianship skills. Students present performances of selected group and solo music works using one or more instruments. They study the work of other performers and explore strategies to optimise their own approach to performance. They identify technical, expressive and stylistic challenges relevant to works they are preparing for performance and practise technical work to address these challenges. They also develop skills in performing previously unseen music. Students study aural, theory and analysis concepts to develop their musicianship skills and apply this knowledge when preparing and presenting performances.

**Assessments**
- Coursework
- End of semester 1 and 2 performance examination.
- End of semester 1 and 2 aural and written examination

**Music Pathways**
Students can continue to study Music in the VCE by electing to undertake studies in Music Performance 3 and 4 upon the completion of Units 1 and 2. Alternatively or in conjunction, students have the opportunity to study VETis Music Industry.
PHYSICAL EDUCATION UNITS 1 AND 2

Rationale
VCE Physical Education examines the biological, physiological, psychological, social and cultural influences on performance and participation in physical activity. It focuses on the interrelationship between motor learning and psychological, biomechanical, physiological and sociological factors that influence physical performances, and participation in physical activity. The study enables the integration of theoretical knowledge with practical application through participation in physical activities. There are opportunities for students to apply theoretical concepts and reflect critically on factors that affect all levels of performance and participation.

Learning Focus
In unit one, students explore how the body systems work together to produce movement and analyse this motion using biomechanical principles. Through practical activities students explore the relationships between the body systems and physical activity. They are introduced to the aerobic and anaerobic pathways utilised to provide the muscles with the energy required for movement and the basic characteristics of each pathway. Students apply biomechanical principles to improve and refine movement. They use practical activities to demonstrate biomechanical principles and how the correct application of biomechanics can lead to improved performance in sport and physical activity.

Unit two explores a range of coaching practices and their contribution to effective coaching and improved performance of an athlete. The way in which a coach influences an athlete can have a significant effect on performance. The approach a coach uses, the methods applied and the skills used will have an impact on the degree of improvement experienced by an athlete. By studying various approaches and applying this knowledge to a practical session, students gain a practical insight into coaching.

Outcomes/Assessment
Students are assessed by a variety of methods including:
- Tests
- Research tasks
- Data analysis and practical laboratories
- Semester Examination

Physical Education Pathways
Students may continue to study Physical Education Units 3 and 4.
PHYSICS UNITS 1 AND 2

Rationale
Physics is a theoretical and empirical science, which contributes to our understanding of the physical universe from the minute building blocks of matter to the unimaginably broad expanses of the Universe. This understanding has significance for the way we understand our place in the Universe.

Learning Focus
Unit One focuses on Physics as a human endeavour. Observations and ideas about the physical world related to aspects of energy are organised and explained through the use of conceptual models. The detailed studies provide opportunities to explore the application of energy concepts and models in medical contexts.

Unit 1 consists of the following prescribed areas of study: Nuclear physics and radioactivity; and Electricity; and Medical physics.

Unit 2 focuses on the application of models to more complex phenomena – motion and light – developed within contexts that are familiar to students and relevant to their experiences. Newtonian ideas of motion are extended to include a range of movements and more abstract ideas, while the wave and particle models of light provide a framework for exploring light phenomena in real world applications. The detailed studies provide opportunities to explore motion in flight contexts.

Outcomes/Assessment
Students are assessed in a number of ways including the following:

• Topic tests
• Practical reports
• Responses to media articles
• Semester examinations

Physics Pathways
Students can continue to study Sciences in the VCE by electing to undertake studies in Unit 3 and 4 Physics.
Rationale
VCE Food and Technology focuses on the importance of food in our daily lives from both a theoretical and practical point of view. The study enables students to apply their theoretical understanding of the relationship between food and technology as they develop skills in food preparation. VCE Food and Technology challenges students to make links between food, food processing, nutrition, health and well-being. Students are given the opportunity to consider the importance of environmental issues and sustainability practices in food production, as well as the important role of technology in food product development. Students develop knowledge of the physical, chemical, sensory and functional properties of food and are able to apply this knowledge when using food in a practical situation. They develop and apply the knowledge and skills to prepare food safely and hygienically. Students use the design process, critical thinking and problem-solving skills to develop food products to suit specific situations or to meet the needs of individual consumers and their lifestyles.

Learning Focus
In Unit 1, students are introduced to various key foods, the suitable cooking and storage techniques of products within each key food group and how to enhance the aesthetics of each product. They investigate safe and hygienic food handling practices at commercial food production settings and apply good practices in the preparation and processing of their own foods. Students explore the classification, physical, sensory and chemical properties of key foods for optimal results. Unit 2 entails the investigation of the development of kitchen equipment and tools for the 21st Century. They design, produce and analyse products using new and emerging tools and equipment that ensure the saving of time and labour in the kitchen. Students implement solutions to design briefs by finding solutions to exciting design challenges for a range of contexts and individuals with different food needs and preferences.

Outcomes/Assessment
Students studying Units 1 and 2 Food Technology will be expected to complete the following assessment tasks:

- Brief tests and quizzes
- Health and safety report
- Design Brief
- Practical activities
- Practical evaluations
- Worksheets and research as required

Learning Pathways
Students who complete Year 11 Design and Technology (Food) can continue their study at Year 12.
Rationale
Product design is part of people’s responses to changing needs to improve quality of life by designing and creating artefacts. Product design is enhanced through knowledge of social, technological, economic, historic, ethical, legal, environmental and cultural factors. Designers play an important part in our daily lives. They determine the form and function of the products we use. They transform ideas into drawings and plans for the creation and manufacture of useful products that fulfil human needs and wants.

Learning Focus
These units focus on the analysis, modification and improvement of a product with consideration of the materials used and issues of sustainability. Students produce a prototype based on an existing garment. They re-designed their prototype and produce a second version of this garment. Students safely use tools, equipment, machines and materials to realize their garments. They compare their garments with the original design and evaluate it against the needs and requirements outlined in their design brief. Students gain knowledge of material characteristics and properties, their uses and suitability for particular products in relation to product design. Additionally, Students consider the use of materials from a sustainable viewpoint. They become aware of the source, origin and the processing of materials and their environmental impact. Students learn about intellectual property (IP), its implications related to product design and the importance of acknowledging the IP rights of the original designer.

Outcomes/Assessment
Write a design brief for the modified and improved product
Write a report and give a presentation of a case studies on a designer (Textiles or Fashion) who address sustainable practices
Students create a prototype of an existing product using a commercial pattern and create a redesigned product based on the prototype.
Investigate cases of Intellectual Property disputes
Develop a production plan with working drawings of production process

Textiles Pathways
VCE Product Design and Technology Unit 1 & 2 can provide a pathway to a study of Unit 3 & 4 in the same area i.e. Textiles. The study can also lead into a range of related fields such as industrial, product, interior and exhibition design, engineering, and fashion, furniture, jewellery, textile and ceramic design at both professional and vocational levels.
PRODUCT DESIGN AND TECHNOLOGY: WOOD UNITS 1 AND 2

**Rationale**
In Unit 1 and 2 Product Design and Technology students learn about the role Designers play in our daily lives and how they determine the form and function of the products we use. Students learn how designers transform ideas into drawings and plans for the creation and manufacture of useful products that fulfill human needs and wants. In recent history the use of resources to create an ever-increasing array of products has given designers an increased responsibility to think sustainably. Students develop an understanding of the consequences of product design choices. They develop the necessary skills to critically analyse existing products and to develop their own creative solutions.

**Learning Focus**
In Product Design Technology students are introduced to the Product design process, IP and the Product design factors, with an emphasis on materials and sustainability. Students consider case studies of designers who claim to have incorporated sustainable practices. Students examine how an existing product currently fulfills the need of a user. They consider how the product could be improved. Students write a design brief for a product’s modification and improvement by altering at least three points of the original design, ensuring the primary purpose/function of the original product remains. One of the alterations should aim to improve the product’s sustainability. Students develop evaluation criteria for design options, the completed product, and to judge the efficiency and effectiveness of design and production activities.

**Outcomes/Assessment**
- Design Brief
- Investigation into a Designer
- Evaluation Criteria, taken from Design Brief
- Design Folio with Investigation,
- Modified design Production with 3 changes.
- Evaluation
- Examination

**Year 11 Product Design Technology pathways**
VCE Product Design and Technology can provide a pathway to a range of related fields such as industrial, product, interior and exhibition design, engineering, and fashion, furniture, textile and ceramic design at both professional and vocational levels.
PSYCHOLOGY UNITS 1 AND 2

Rationale
Psychology is the scientific study of mental processes and behaviour in humans. Biological, behavioural, cognitive and socio-cultural perspectives inform the way psychologists approach their research into the human condition. Psychology provides students with a sophisticated framework for understanding the complex interactions between biological, behavioural, cognitive and socio-cultural factors that influence thought, emotions and behaviour.

Learning Focus
In Unit 1 students are introduced to the development of psychology from its philosophical beginnings to a scientific study of the human mind and behaviour. Students explore the scope of psychology, its specialist disciplines such as neuropsychology, cognitive, social and human developmental psychology, and its fields of application. Students consider influences on perception and human behaviour from biological, behavioural, cognitive and socio-cultural perspectives. They examine the contribution classic and contemporary studies have made to the development of different psychological theories used to predict and explain the human mind, and behaviours associated with particular stages of development over a lifespan.
A person's attitudes and behaviours affect the way they view themselves and the way they relate to others is studied in Unit 2. Understanding what influences the formation of attitudes of individuals and behaviours of groups can inform and contribute to explanations of individual aggression or altruism, the positive and negative power of peer pressure and responses to group behaviour. Differences between individuals can also be ascribed to differences in intelligence and personality, but conceptions of intelligence and personality and their methods of assessment are contested. Differences between individuals, groups and cultures can be analysed in varied ways through different psychological perspectives informed by both classic and contemporary theories.

Outcomes/Assessment
Assessments include:
• Empirical Research Activity on Visual Perception
• Empirical Research Activity on Piaget’s Cognitive Development Theory
• Semester Examinations
• Test of Attitudes and Social Influences on the Individual
• Oral Presentation

Psychology Units 1 & 2 Pathways
Students can continue to study Psychology Units 3 & 4 in the VCE after successful completion of Units 1 & 2.
Rationale
The world is the primary context and place of God’s self-disclosure to all of humanity. It is in the lived reality of our daily lives that we are called to experience God as Creator, Jesus as Saviour and the Holy Spirit as Guide. The Catholic school is part of the world and part of the community of the Church and invites all the members of the school community to search for God in the world and to live a life framed by the life and words of Jesus.

Learning Focus
Students focus on Religion and Contemporary Issues. They are introduced to the nature of ethical decision making in a pluralist society. They will explore the concepts and theories underpinning ethical decision making and the various influences on it. Students will examine ethical perspectives and moral viewpoints upheld by a number of religious traditions, one being their home tradition Christianity. They will analyse how the ideas, values and ethical principles underpinning ethical perspectives are expressed through the formal aspects of religion. Students will apply their knowledge of concepts, approaches, methods and traditions associated with ethical perspective to a range of debates about ethical issues in the public arena of pluralist societies, focusing on a range of contemporary issues.

Outcomes/Assessment
The primary purpose of assessment is to assist in better teaching and learning. Students will have three Formative Assessment Tasks and three Summative Unit Tests at the end of each term and an End of Year Examination.

Religious Education - School Based Program Pathways
They develop the critical thinking skills of students essential for understanding religious and ethical issues. Further study in Theology or Religious Education can be done.
Rationale
The beliefs, values and ideas of religious traditions can play an important part in shaping and maintaining culture. Religious beliefs about the nature of existence and the purpose of human life provide a frame of reference for understanding the world and for guiding daily personal and communal action. It aims to develop understanding and respect for the perceptions of the participants in religious traditions. It values and promotes open inquiry, without bias towards any one tradition.

Learning Focus
During Semester 1, students explore the origins of religion, identifying the nature and purpose of religion past and present. They investigate the contribution of religion to the development of human society and then focus on the role of religious traditions in shaping personal and group identity. Students examine how religious traditions are affected and changed by individuals and groups. The study provides the opportunity for students to understand the often complex relationships that exist between individuals, groups, religious traditions and the society in which they live. They will study at least two religious traditions. Different religious traditions may be selected for each area of study.

During Semester 2, students survey various approaches to ethical decision-making and then explore at least two religious traditions in detail. They explore contemporary ethical issues in the light of their investigations into ethical decision-making and ethical perspectives, and moral viewpoints in religious traditions.

Outcomes/Assessment
During Semester 1, students will cover three areas of study: Area Study One – World Religions, Area Study Two – Religions in Australia, Area Study Three – Religious Identity and Life Experiences.

During Semester 2, students will cover three areas of study: Area Study One – Ethical method in pluralist society, Area Study Two – Religion and morality in pluralist society, Area Study Three – Contemporary ethical issues in pluralist society.

Religion & Society Units 1 & 2 Pathways
Students continue to study Religious Education in VCE by electing to undertake studies in at least one of the following areas: Religion and Society Unit 3 & 4; Text and Traditions Unit 3 & 4 or School-based Religious Education Program.
# STUDIO ARTS UNITS 1 AND 2

## Rationale
VCE Studio Arts encourages and supports students to recognise their individual potential as art makers and presents a guided process to assist their understanding and development of art making. The study establishes effective art practices through the application of an individual design process to assist the student’s production of a folio of artworks. The theoretical components of this study are an important basis for studio practice as it offers students a model for inquiry that can support their art making.

## Learning Focus
VCE Studio Arts encourages and supports students to recognise their individual potential as art makers. The study establishes effective art practices through the application of an individual design process. Unit 1 focuses on using sources of inspiration and ideas as the basis for artworks and exploring a wide range of materials and techniques as tools for translating ideas, observations and experiences into visual form. Unit 2 focuses on the use of materials and techniques in the production of artworks. The theoretical component of this study is an important basis for studio practice as it offers students a model for inquiry that can support their artmaking practices.

**Unit 1: Artistic inspiration and techniques: Outcomes:**
- Source ideas & inspiration & use a variety of methods to translate these into visual form.
- Explore & use a variety of materials and techniques to support and record the development of individual ideas to produce artworks.
- Discuss how artists from different times and locations interpret sources of inspiration and use materials and techniques.

**Unit 2: Design Explorations and concepts: Outcomes:**
- Develop an individual design process including visual research and inquiry to produce a variety of design explorations and a number of artworks.
- Analyse and discuss the ways in which artists from different times and locations have created aesthetic qualities of artworks, communicated ideas and develop styles.

## Assessments
- A folio including design exploration and finished artworks.
- Written theory tasks.
- End of Year Examination.

## Pathways
The foundation for the individual design process established in Units 1 & 2 prepares Studio Arts students for Units 3 & 4. Studio Arts provides opportunities for students to create and critically explore visual culture through visual arts and arts works that involve the fusion of traditional techniques and forms with digital media. These studies can lead to a range of tertiary and vocational studies, such as those associated with multimedia, fine art, graphic and fashion design, the music industry, film and television, theatre and advertising.
Rationale
The Visual Communication Design study examines the way visual language can be used to convey ideas, information and messages in the fields of communication, environmental and industrial design. Students employ a design process to generate and develop visual communications. The design process provides a structure to organise design thinking and is shaped by considerations of aesthetics and functionality, as well as social, environmental and economic factors. Students develop the skills to manipulate and organise design elements, design principles, selected media, materials and production methods when creating visual communications. Students have the opportunity to investigate the work and practices of Australian and international designers from a variety of social, cultural, historical and contemporary contexts.

Learning Focus
Unit 1 focuses on using visual language to communicate messages, ideas and concepts. This involves acquiring and applying design thinking skills as well as drawing skills to make messages, ideas and concepts visible and tangible. Through experimentation and through exploration of the relationship between design elements and design principles, students develop an understanding of how design elements and principles affect the visual message and the way information and ideas are read and perceived. Students review the contextual background of visual communication through an investigation of design styles. This research introduces students to the broader context of the place and purpose of design. Unit 2 focuses on the application of visual communication design knowledge, design thinking skills and drawing methods to create visual communications to meet specific purposes in designated design fields. Students use presentation drawing methods that incorporate the use of technical drawing conventions to communicate information and ideas associated with the environmental or industrial fields of design. They investigate how typography and imagery are used. In response to a brief, students engage in the stages of research, generation of ideas and development of concepts to create visual communications.

Assessments
• Design Folio's exploring the areas of Environment, Industrial and Communication Design fields.
• Theoretical tasks analysing design in past and contemporary contexts.
• Written Examinations.

Visual Communication and Design Pathways
At the conclusion of this course, the students are equipped to continue on to study Unit 3 & 4 Visual Communication and Design. Their folio work from these units can also provide important visual evidence of skills for interviews for tertiary design courses or future jobs.