2015
Oberon High School
Year 10
Information and
Subject Handbook
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The Year 10 program is made up of elective units.
All units are five periods per week semester units. The school week will operate on 30 lessons per week. Students, in consultation with parents and teachers will select 12 units of study, six per semester. All students must undertake two units of English and two units of Mathematics over the year.

Students in Year 10 may have an opportunity to undertake one VCE unit per semester or participate in a VET program, if recommended by their teachers.

Year 10 Students 2015
The 10 program at Oberon High School has been structured so that students can undertake studies in all the Domain Based Areas (DBA) or Learning Areas of the strands of the Victorian Essential Learning Standards and have the opportunity to achieve the expected outcomes. These areas are:
- English
- Mathematics
- Languages (previously L.O.T.E)
- Humanities
- Science
- HAPE (Health and Physical Education)
- Art
- Technology

Students must study two English units and two Mathematics units. Students must undertake a consultation process for their unit selections, which must be approved by relevant teachers prior to being finalised.

A Year 10 student undertaking a Language, Year 10 Literature or a VCE study need to choose at least one unit from four of the five remaining Learning Areas.
All other Year 10 students must choose at least one unit from all the remaining five Learning areas. Students can only do a maximum of three units in any one learning area.

NOTE
Compulsory units
- **English** - Students must select two English units in each year of the program
- **Mathematics** - Students must select two Mathematics units. These should be carefully chosen after considering the pathways required to continue with Mathematics in VCE and University.
- **Languages** - Students intending to continue with Languages in VCE must complete two Language units.

Apart from the above units there are no other prerequisite units for entry into VCE. Students are encouraged to select a balanced program that covers a range of Learning Areas based on their interests. Student enjoyment and therefore engagement in learning is an important consideration when making selections.

VCE and VET units

At Oberon High School it is possible for some students to begin their VCE or VET studies early. For example Year 10 students can undertake VCE or VET Units 1 and 2. Doing this provides extra opportunities for capable students to expand their VCE or VET program and maximise the possibility for a higher ATAR score.

Students who intend undertaking a VCE or VET subject will need to meet a set of criteria including suitability, aptitude and attitude. Each student will be counselled by a House Leader, Vertical Home Group Teacher or the Later Years Program Leader.

Detailed information on VCE and VET units are available in the OHS VCE/VCAL Information Booklet 2014. If parents or students require additional information please do not hesitate to contact one of the following members of staff:
- Principal: Mr Timothy McMahon
- Assistant Principals: Ms Liz Kelly and Mr Joshua Baker
- Later Years Program Leader: Mr Steve Sutcliffe
- Cameron House Leader: Mr Sean Fitzgerald and Mr Nick Sack
- Greeves House Leader: Ms Carol Champion and Ms Lyndie Filipovski
- Lipson House Leader: Mr Adam Freeman and Ms Liz Mulconry
- Thomson House Leader: Mr Vlad Filipovski and Mr Peter Kleindienst
The VCE and VET subjects on offer at Oberon High School are listed below, as an overview. For detailed subject summaries please obtain a copy of our VCE Information Booklet.

Accounting
Art – Ceramics, Painting, Photography
Biology
Business Management
Chemistry
Design and Technology – Wood, Metal, Plastics, Fibres, Yarn, Fabrics
Drama
English
Environmental Science
Food and Technology
Health and Human Development
History
Information Technology – (VCE)
Languages - Indonesian, German
Legal Studies
Literature
Mathematics
  - VCAL Numeracy/Foundations Mathematics (Units 1 & 2)
  - General Mathematics (Units 1 & 2)
  - Mathematical Methods CAS (Units 1 & 2)
  - Further Mathematics (Units 3 & 4)
  - Mathematical Methods CAS (Units 3 & 4)
  - Specialist Mathematics (Units 3 & 4)
Media
Music
Outdoor & Environmental Studies
Physical Education
Physics
Psychology
Studio Arts
Visual Communication and Design
In deciding a program for next year, each student entering year 10 has the option of completing a Vocational Education and Training (VET) program as part of their studies. Although VET is generally targeted at year 11, a number of students elect to begin a VET course in year 10. This enables the completion of certificate III by the end of year 11.

A VET program allows a student to complete a nationally recognised qualification while completing their VCE. This certificate can:
1. Assist you in gaining a School Based Apprenticeship and Traineeship (SBAT).
2. Provide the foundation for further study at TAFE or university after you complete your VCE.
3. Give you the necessary skills and qualifications to begin fulltime employment.
4. Can contribute to your ATAR score at the end of Year 12.

**Benefits of choosing a VET in schools subject**
- VET in VCE gives a nationally recognised qualification (e.g. Certificate 3 in Music Industry Skills). Students can continue their qualification anywhere in Australia.
- Most full apprenticeships (traineeships) are at Certificate 4 Level and students completing VET have usually completed a third of this.
- Students receive their VCE certificate and their VET qualification.
- Work placement gives students an opportunity to be ‘job ready’.
- Employers are seeking out VET students to take up fulltime traineeships.
- After year 12 VET students have the choice of continuing their course full-time, entering other tertiary studies or taking up employment.
- Students have the opportunity to attend their VET classes with students from all schools in the Geelong region.

**Who should do VET?**
Any student can undertake a VET subject; it depends on your interests and future goals. VET studies would be particularly suited to students who like ‘hands on’ experience or who have an interest in the VET courses being offered.

Oberon High School students have access to all VET in VCE studies offered in Geelong. Registered Training Organisations include the Gordon Institute of TAFE, Belmont High School, Bellarine Secondary College, Geelong High School and Matthew Flinders Girls Secondary College.

**Things to take into account when considering VET studies**
- VET in schools is usually a two year program.
- An additional RTO course fee on top of the school fees will be charged.
- This fee will be dependent upon the selected course and a deposit is required at the beginning of December 2013 to ensure a placement. Students will receive a letter detailing the appropriate expenses.
- The Registered Training Organisation may require students to purchase uniforms, equipment or books.
- Attendance at the Registered Training Organisation will be required on Wednesday afternoon or at another specified time.
- Where a work placement is mandated within a VET program, students will often undertake placement during their term holidays (generally 10 days per year). Work placement is organised by GRVEC (Geelong Regional Vocational Education Council).

**Note:** If a student withdraws from a VET program after three weeks they will be charged for the associated costs, given that the RTO would have committed teaching staff and resources to the program. The student would then be expected to choose another year 9/10 subject to complete their school program.

Students and parents wishing to learn more about VET in VCE programs should make an appointment to meet with our VET Coordinators.

Students are welcome to discuss matters further with Mr Wayne Lynch (VET Coordinator), Mrs Kaye Barry (Careers/Pathway Leader) or Ms Liz Kelly (Assistant Principal) to investigate the range of pathways available to students.
WHAT IS A SCHOOL BASED APPRENTICESHIP AND TRAINEESHIP (SBAT)?

These are similar to VET programs; however the student works one day with an employer in paid employment while undertaking VET studies and workplace training.

Oberon endeavours to provide the opportunity of accessing the widest possible range of options in order to cater for the needs of all students in our community. Students and parents wishing to learn more about School Based Apprenticeships and Traineeships should make an appointment to meet with Mr Wayne Lynch, who coordinates all students undertaking SBAT’s at Oberon High School.

REPORTING STUDENT PROGRESS

In line with school policy, progress reports will be issued at the end of terms 1 and 3 and the more detailed semester reports at the end of terms 2 and 4.

As well as reporting on the general and specific subject expectations of students the Semester Reports will report on the level of achievement of the students over a number of Assessment Tasks.

EXPECTATIONS OF YEAR 10 STUDENTS

Students are expected to:

- Attend all classes
- Be at the class on time
- Complete all set work
- Submit work to satisfactory standards by set dead lines
- Bring all the required materials (textbooks, exercise books, pens) to class
- Consult with the teacher and complete work missed through absence from class
- Participate positively in class activities
- Behave in such a way that the right of others to learn is not affected
- Respect the property of other students
- Wear correct school uniform
- Abide by all school rules

A consultation process will be undertaken with students deemed to be at risk after the first semester reports are distributed. Students who fail to demonstrate a positive work attitude may not necessarily be able to complete a full VCE over the following two years.

ORGANISING YOURSELF: EFFECTIVE TIME MANAGEMENT

When entering year 10, you will realise that you are studying many subjects which will put different demands on your time. At certain times in the term you will have several assessment tasks or work requirements due around the same time and only you can organise these demands.

Keeping a diary in your head may have worked previously but it is not usually adequate at this level of secondary school. This is because you have to work out for yourself when to prepare for tests, assignments, homework, library work, how much time you are going to need for an essay or assignment, etc. - a more complex range of tasks and decisions need to be made in advance. So planning ahead, using a whole semester wall chart, a study timetable, a daily ‘to do’ list and a Work Planner is strongly recommended.

There are many useful suggestions in your Work Planner – read them and take heed.
English

Year 10 English is studied as a full year course divided into two semesters. In Year 10 students can choose between two courses of English – English or Extension English.

It is expected that students will remain in the same class with the same teacher for the duration of the year. English units offered have degrees of difficulty. Extension English will be challenging for those who have demonstrated that their literacy skills are highly developed. It is expected that those who choose Extension English are keen readers and writers and are strongly motivated to further develop their skills.

An end of year exam on the course will be conducted as well as testing at the completion of text studies.

Students will be counselled by their current English teacher as to the most advisable strand to undertake. Students will also have the opportunity to select Literature as an elective subject at Year 10.

English 10

- Work requirements include:
- The study of set texts: “The Story Of Tom Brennan” and “I’m Not Scared”
- Film Theme study of conflict. “The Power of One”
- Writing folio: Writing for different purposes in a range of styles.
- Persuasive writing: Developing understanding of persuasive language and analysis of persuasive writing.
- Speaking and listening; public speaking, group presentations, class discussion and debating
- Wide reading: Ongoing reading for pleasure and interest.
- Regular testing of skills.

English 10- Extension

- The study of set texts: “The Curious incident of the Dog in the Night-time” and “Macbeth”
- Film Theme study of conflict and identity. “Billy Elliot”
- Writing folio: Writing for different purposes in a range of styles.
- Persuasive writing: Developing understanding of persuasive language and analysis of persuasive writing.
- Speaking and listening; public speaking, group presentations, class discussion and debating
- Wide reading: Ongoing reading for pleasure and interest.
- Regular testing of skills and encouragement to extend themselves through entering various competitions and attending Writer’s festival and workshops.

ELECTIVE UNIT - ONE SEMESTER
Literature

This unit is designed to increase confidence and enjoyment in approaching a wide variety of literature – both classical and modern. Set texts for study will include A Midsummer Night’s Dream and an examination of short stories using Edgar Alan Poe and a selection of modern authors. In addition, students will examine poetry and complete a film study. Students will also be provided with the opportunity to write creative response imitating chosen literary styles. This unit’s focus will be on the development of the skills of literary analysis – giving students a taster for Literature which is studied in Year 11.
MATHEMATICS

Year 10 Mathematics

Three separate Mathematic courses will be offered to students undertaking Year 10. The courses are designed to meet the expected needs of students in relation to the amount of Mathematics that will be taken in the VCE.

<table>
<thead>
<tr>
<th>Options</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course A</td>
<td>Applied Learning Mathematics</td>
<td>Applied Learning Mathematics</td>
</tr>
<tr>
<td>Course B</td>
<td>Year 10 - General Mathematics</td>
<td>Year 10 - General Mathematics</td>
</tr>
<tr>
<td>Course C</td>
<td>Year 10 Mathematical Methods</td>
<td>Year 10 Mathematical Methods</td>
</tr>
</tbody>
</table>

Students selecting their course of study in Year 10 must keep in mind future study and possible employment. It is advisable to keep your options for future study open – do not close doors to mathematical pathways in year 10. Please refer to the flow chart on the following page which shows where the three courses offered lead to in future studies.

Applied Learning Mathematics 1 and 2 (semester 1 and 2)
This unit studies the mathematics in everyday use. It focuses on the application of mathematics in your personal and working life. The unit involves basic number facts, fractions, percentages, interpreting graphs, basic measurement, shapes, statistics and probability. Work will be based on student abilities to enhance student understanding of concepts.

General Mathematics

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Area, Total Surface Area, Volume, Capacity.</td>
<td>Number</td>
</tr>
<tr>
<td>Trigonometry (measurement)</td>
<td>Sine, Cosine, Tangent ratios, Applications in finding lengths and angles in two-dimensional situations, Angles of elevation and depression, Bearings.</td>
<td>Consumer Mathematics – percentage, discount, earning money, taxation, simple interest, hire purchase and loan repayments.</td>
</tr>
<tr>
<td>Statistics</td>
<td>Sampling and population, Collecting data, Tabulation of data, Graphing of data, Analysis of data.</td>
<td>Probability</td>
</tr>
<tr>
<td>Geometry (Space)</td>
<td>Parts of circles, Circle geometry, and Constructions.</td>
<td>Practical approach to simple and compound events using tree diagrams, grids and Venn diagrams.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Revision of fractions.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Algebra</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Linear relationships, solving linear equations, Linear graphing using Tables of values, Gradient and Y intercept, X and Y intercepts, simple applications, Linear inequations solving algebraically and graphically, Introduction to linear programming.</td>
</tr>
</tbody>
</table>
## Mathematical Methods

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number</strong>&lt;br&gt;Index laws applied to positive, negative and fractional&lt;br&gt;indices, Scientific notation, Use of surds in calculations,&lt;br&gt;Application of indices to growth and decay in nature.</td>
<td><strong>Measurement/Chance &amp; Data</strong>&lt;br&gt;Practical approach to the probability of simple and&lt;br&gt;compound events. Use of tree diagrams, grids and Venn&lt;br&gt;diagrams to display sample space. Mutually exclusive&lt;br&gt;and Independent events. Introduction to conditional&lt;br&gt;probability.</td>
</tr>
<tr>
<td><strong>Structure</strong>&lt;br&gt;Expansion of two and three factors. Factorisation using&lt;br&gt;Common Factor, Difference of Two Squares, Perfect&lt;br&gt;Squares, and Completing the Square.</td>
<td>Use of Trigonometry and its application to three-dimensional problems. Introduction to Unit Circle and&lt;br&gt;graphing trigonometry ratios.</td>
</tr>
<tr>
<td><strong>Measurement/Chance &amp; Data</strong>&lt;br&gt;Area, Total Surface Area and Volume of basic and&lt;br&gt;composite shapes and objects. Capacity, density and&lt;br&gt;concentration in practical situations.</td>
<td><strong>Structure</strong>&lt;br&gt;Solving linear equations, simultaneous equations and&lt;br&gt;quadratic equations. Graphing of linear and quadratic&lt;br&gt;relationships, Use of graphs in practical problems and&lt;br&gt;solving inequations.</td>
</tr>
<tr>
<td><strong>Statistics</strong>&lt;br&gt;Measures of centre and spread</td>
<td><strong>Number</strong>&lt;br&gt;Direct and Inverse variation</td>
</tr>
</tbody>
</table>
Oberon High School - Mathematics Pathways Years 10 to 12

Year 10
- Year 10 Applied Learning (AL) Maths
- Year 10 General
- Year 10 Methods

Year 11
- VCAL
- Year 11 General
- Year 11 Methods

Year 12
- Year 12 Further
- Year 12 Methods
- Year 12 Specialist
Languages – German / Indonesian

**Year 10 Languages**

Language is an elective in Year 10. Students wishing to continue their study of the Language at VCE level must complete a full year of Language at Year 10.

Students are also advised that once they have discontinued Languages at this level, they will not be eligible to pick up the study of the Language at a later stage. The continuation of Languages is advised if VCE Language is an option.

There is also a very practical reason for doing Languages beyond Year 9: students who study a Language at Year 12 have the great advantage of having up to nine points added to their ATAR score. This could enable your child to gain the extra points needed for entry into the course of his or her choice. It is also well known that employers value candidates who have studied Languages.

If a student is intending to discontinue their study of Languages they are strongly advised to discuss this decision with their Language teacher, as students often underrate their ability in this subject.

<table>
<thead>
<tr>
<th><strong>Indonesian</strong></th>
<th><strong>German</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Restaurants</td>
<td>• Holidays</td>
</tr>
<tr>
<td>• Etiquette</td>
<td>• Exchange</td>
</tr>
<tr>
<td>• Travelling around Indonesia</td>
<td>• Travelling in Germany</td>
</tr>
<tr>
<td>• Bargaining</td>
<td>• Exploring Berlin</td>
</tr>
<tr>
<td>• At the hotel</td>
<td>• The environment</td>
</tr>
<tr>
<td>• Going on a tour</td>
<td>• German youth culture</td>
</tr>
<tr>
<td>• Places to go!</td>
<td>• Films</td>
</tr>
<tr>
<td>• Yogyakarta</td>
<td>• Careers</td>
</tr>
<tr>
<td>• Short stories of Indonesia</td>
<td>• Germans in Australia</td>
</tr>
</tbody>
</table>
# HUMANITIES

There are three strands of Humanities – Commerce, Geography and History.

<table>
<thead>
<tr>
<th>COMMERCE</th>
<th>GEOGRAPHY (Coastal)</th>
<th>HISTORY (Significant Leaders and Events)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAW AND SOCIETY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>As a young person, what are your legal rights and responsibilities in our ever changing society? Let’s focus on looking at who makes our laws, including the workings of State and Federal parliament and what happens if you break the law. In this unit we will investigate your rights if you find yourself caught up in the legal system. We will also look at types of law relevant to young people, ways of resolving legal disputes and how law deals with changes in society. Other areas will include laws relating to marriage, divorce, wills and inheritance. This unit also provides students with a solid introduction to many areas covered in VCE Legal Studies.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>This unit looks at our big wide world in all its’ glory with a study of the processes which shape the surface of the earth and the forces which subject it to continual change. Students will study a variety of geographic fields of interest which include:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Topographic maps, including cross sections and grid references</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Physical geography, including: weathering, erosion, plate tectonics.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Specific world geographical wonders and features both ancient and modern and their impact on settlement and our environment.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- The concept of an ecosystem, including interesting sample studies.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Latitude and longitude, including time zones.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assessment is based on a number of activities completed in class.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In this unit we will look at some key figures in history to evaluate and assess their contribution. Students will examine the impact of such figures on history by examining a range of resources and developing their own theories and interpretations. Figures and events from modern, medieval and ancient history will be analysed. Some of these include: Adolph Hitler, Pol Pot, Julius Caesar and William Wallace to mention just a few. Students are expected to view a range of films, documentaries and resource material. This unit aims to develop and enhance student understanding and research, communication and analytical thinking skills. This unit also provides an excellent and interesting lead in to VCE History.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- This unit prepares students to study Legal Studies at VCE level.
<table>
<thead>
<tr>
<th>BUSINESS STUDIES</th>
<th>COASTAL GEOGRAPHY</th>
<th>VCE HISTORY</th>
</tr>
</thead>
</table>
| Thinking about working for yourself in the future? Do you have a business idea that you may wish to explore? This unit aims to provide students with an insight into the world of small business. This unit will culminate in simulated business activities and some field studies outside of the classroom. There will also be a strong focus on aspects of accounting, marketing and business management in preparation for both the study of Accounting and Business Management in VCE. This unit will provide students with the necessary knowledge and understanding of key concepts to continue these areas of study in VCE. | This unit allows the student with a keen interest in geography to pursue it further. Ideally students may have already completed Coastal Geography in year 9, but this is not essential to undertake this unit. The focus for this unit will be developing a student’s ability to understand and work with both the human and natural environment. Areas to be covered include:  
- A case study in Climate change  
- A case study of a student’s choice from: Coral Reefs, Temperature Reefs and Hinchinbrook Island.  
- An Environmental Issues Investigation/Research report  
- The Ramsar Wetlands (documentary short films)  
- Geographical fieldwork excursions. This unit aims to prepare students for further study in both Geography and other Environmental areas at VCE. | This unit also explores society, history and change over the decades with a focus from the 1950s through to the present time. Students will examine people and events in history through the music and movements of each decade. Topics studied will include:  
- Life after World War Two and growing up in the 1950s in a time of rock and roll. What were family values? What did it mean to be a teenager?  
- Idols from each decade and their contribution to society and thinking.  
- Famous events and movements such as the Beat movement, Woodstock, War and Peace movements, Civil Rights Movements in America and South Africa. Who were the leaders and what did they accomplish?  
- Emerging ideologies and their capacity to change popular thinking and policies. Students will complete a range of assessment tasks as a part of this unit that will develop research and analytical skills. This unit provides a solid preparation for the study of all units of VCE History. |
Year 10 Science electives

10 Chemistry

In this unit students will look at chemicals in relation to their effects on living things, as well as learning some basic chemical concepts. Students will investigate the development of chemical theories such as the periodic table and atomic theory. Students will also investigate the rates of chemical reactions and the factors that affect them. They will be given the opportunity to develop ideas and design experiments to test them. Assessment will include participation in and completion of practical activities, assignments and tests. This subject is ideal for students considering VCE Chemistry.

10 Biology

This unit examines cells, making the analogy of how our cells are like miniature factories by examining a few common cell organelles and some simple cellular processes. Aspects of human physiology are covered including various body systems relevant to the student’s interest such as the muscular, skeletal and respiratory systems, and kidney structure and function. Genetics is a major part of the course; linking the amazing structure of DNA to heredity traits, protein synthesis and to current aspects and future possible trends of genetic engineering such as gene therapy and cloning. Practical investigations, projects and tests make up the assessment process. It is an ideal unit for students considering VCE Biology or with an interest in the human body and how it functions.

10 Physics

Physics is the study of the interactions between matter and energy in the world around us. In this unit we study the movement of objects accelerated into the air, such as water rockets, as well as projectile motion and free fall. Energy exchanges in heating and cooling are also covered with a study of how refrigerators and eskys keep things cold. A unit on electronics will include the construction of circuits including a mini stereo amplifier. Optional topics include: Astronomy, Buoyancy, Density and Measurement. This subject is ideal for students considering VCE Physics but is also for anyone who has ever wondered why the world behaves the way it does.

10 Psychology

Psychology is the study of human and animal behaviour. In this unit we cover the different types of behaviour from simple reflexes to complex social behaviour, research methods and ethics in relation to studying psychology and the different aspects of human interaction. There is a focus on mental illness during adolescence. Assessment will include projects, practical work and tests. This subject is ideal for students interested in VCE Psychology.

VCE Science Options at Year 10

11 Environmental Science

Environmental Science is the study of the structure, function and diversity of natural ecosystems on the planet and the impacts of human activities on them. In Unit 1 we will explore the four spheres of Earth (the hydrosphere, lithosphere, atmosphere and biosphere), the different processes and functions of ecosystems and how natural and man-made changes impact them. In Unit 2 we will examine different indicators and techniques that are used to examine environmental health and the impact of pollution, and investigate a local case study. Assessment will include practical investigations, reports and tests. This subject is ideal for students who are also considering the early completion of a VCE science subject or with an interest in the environment and its interactions.
**Year 10 Science 2014**

All students must study at least one semester of Science when in Year 10.  
**The Year 10 Science Units offered are – Biology, Chemistry, Physics and Psychology.**

Students interested in a Science pathway to study VCE Science subjects are strongly encouraged to study two semesters of Science in Year 10. The Year 11 VCE Science subjects offered are listed below with the recommended Year 10 Science units that provide the knowledge and skills that support each VCE study.

<table>
<thead>
<tr>
<th>Year 10 Science Units Recommend for</th>
<th>Year 11 VCE Science subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry + one other unit</td>
<td>Biology</td>
</tr>
<tr>
<td>Chemistry + one other unit</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Physics + one other unit</td>
<td>Physics</td>
</tr>
<tr>
<td>Biology or Psychology</td>
<td>Psychology</td>
</tr>
</tbody>
</table>

Students may undertake a Year 11 VCE Science Subject as part of their Year 10 studies program. The Year 11 subjects offered to Year 10 students are listed below along with the special requirements of each Year 11 subject and the Year 10 unit that should also be studied.

<table>
<thead>
<tr>
<th>Year 11 VCE subject</th>
<th>Year 10 Unit recommended</th>
<th>Special Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Science</td>
<td>Any</td>
<td>Excellent standard in Year 9 science</td>
</tr>
<tr>
<td>Biology</td>
<td>Chemistry</td>
<td>Recommendation from Year 9 Science teacher and Science DBA Leaders</td>
</tr>
<tr>
<td>Psychology</td>
<td>Biology</td>
<td></td>
</tr>
</tbody>
</table>

**Pathways to Year 11 VCE subjects**

<table>
<thead>
<tr>
<th>Year 11 Subject</th>
<th>Alternative Year 10 studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics and/or Chemistry</td>
<td>1. 2 semester Year 10 units from Chem, Physics, Biol</td>
</tr>
<tr>
<td></td>
<td>2. Year 11 Biol + Yr10 Chem &amp;/or Physics</td>
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<tr>
<td></td>
<td>3. Year 11 Enviro + Yr10 Chem &amp;/or Physics</td>
</tr>
<tr>
<td>Biology</td>
<td>1. 2 semester Year 10 units one of which is Chem</td>
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<tr>
<td></td>
<td>2. Year 11 Enviro + Yr10 Chem</td>
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<tr>
<td></td>
<td>3. Year 11 Psych + Yr10 Chem</td>
</tr>
<tr>
<td>Psychology</td>
<td>1. 2 semester Year 10 units one of which is Biology</td>
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<tr>
<td></td>
<td>2. Year 11 Biology + year 10 Chem or Psych</td>
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<tr>
<td></td>
<td>3. Year 11 Enviro + Year10 Biology</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>1. Excellent standard in year 9 &amp; 1 semester Year 10 unit from</td>
</tr>
<tr>
<td></td>
<td>Biol, Chem, Physics, Psych</td>
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<tr>
<td></td>
<td>2. 1 semester Year 10 unit - any</td>
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Year 10 Art Electives

Year 10 Ceramics

Using the ceramic medium students will complete a variety of three dimensional sculptural, functional and decorative tasks. Students will experiment with a variety of firing techniques and designs to complete their own work. They will discover how other cultures use ceramic technology and learn about how they produced their artworks. At the end of the unit students will have an awareness of aesthetics and sensitivity for form. Throughout the course students develop confident work practices with clay and are able to analyse and discuss other artist’s work. Class activities and assessment tasks include a visual diary of development work, a folio of finished works and individual research projects that explore a variety of art genres.

Year 10 Computer Graphics

Computer Graphics is a semester unit of study which uses CorelDraw and Autocad Inventor software. Students become familiar with program interface, various tools, different menus and dialogue functions. Students will complete structured and sequenced exercises designing and conveying two dimension and three dimension information/ideas. They will create and explore simple/complex shapes, manipulate text and experiment with different effects to produce vector and computer aided design images.

Drama Year 10

Students will extend their expressive skills through taking part in activities focusing on improvisation, voice production, mime, movement, and characterisation. Role development will be enhanced through the use of scripts and group devised, workshopped performances. Students will study different styles of performance, the theories of different dramatists, and the different conventions used in theatre over time. Students will attend live theatrical productions, and will perform a range of rehearsed theatrical pieces which have been workshopped in class.

Year 10 Drawing Painting and Printing

Students will be encouraged to develop independent approaches to develop ideas and images, document their sources of imagery and develop ideas and technical trials with an emphasis on creating their own art style. Students will be introduced to a variety of genres in the art world from portraiture to street art and explore the qualities of the work and famous artists associated with the movement. Students will experiment with traditional and contemporary techniques and processes and explore the potential of their preferred media. Artworks can be completed on canvas or in the school environment as individual or group projects. Students will analyse the characteristics and the role of art in different cultural contexts. Class activities and assessment tasks include a visual diary of development work, a folio of finished works and an individual research project.
Year 10 – Media Studies (Film Making and Media Culture)

What makes your experience at the movies memorable? Is it the familiarity of the genre, the acting, the plot, the special effects or simply the beauty of the scenery? Director’s use popular culture to appeal to an audience’s emotions and need for escapism. During the course you will learn about the conventions used in various genres of film and how to apply these into your own film productions. You will be required to work in small production groups and create your own film, exploring character, script writing, story-boarding and film making techniques. After successfully completing the coursework, you will have a critical awareness about the way films are deliberately constructed to influence the way and audience perceives reality. This elective has a mix of film theory and practical application to prepare students to move directly into VCE Media. It is advisable to complete either or both Year 9 and 10 media studies electives to increase your success at VCE Media.

Year 10 Music

This unit will focus on the skills required to become a good musician and will be particularly useful for those who intend to study music in the future through VCE or VET music courses. Practical activities will involve solo and group performance. Group rehearsals will also allow for the development of creative ideas through arrangement and song writing. Musicianship will be further developed through analysis of works and aural training which will involve learning to recognize intervals, chords and scale types and to notate rhythms and melodies. Notation will be practiced through the use of music technology. Instrumental lessons are strongly recommended, but not compulsory at this level.

Year 10 Photography

Photography at Year Ten is a course that builds on the knowledge of the Year Nine Photography course, but also revisits some of the basic principles of photography. This course allows you to study the various areas of photography, and encourages you to engage in the more challenging and specialised aspects and skills of: camera work, lighting set ups, digital editing, and retro photography. Students in this course are given a little more freedom to choose their own personal artistic directions. Students who feel they have an above average ability and maturity for this subject may wish to consider choosing VCE Unit 1 & 2 Art in year ten. Please discuss this with your parents and course advisor.

Year 10 Visual Communication and Design

Visual Communication and Design is a study which focuses upon communication of ideas and the presentation of information in two and three dimensional formats. Students have the opportunity to develop and refine freehand drawing skills, rendering skills and technical drawing skills. Various practical and analysis activities will explore and improve student understanding of the design elements and design principles. Students will use a variety of media and advanced techniques completing drawing activities and specific design tasks. They will use the design process to respond to a range of exercises and produce final presentations that meet the need of particular audiences, for example package designs or movie/music posters.
Technology

Food – Year 10

In Food Technology students will investigate and produce foods from all parts of a daily menu. Throughout the semester unit, students will cover hygienic work practices, a range of cooking methods, menu planning and design and presentation techniques. Students will have the opportunity to use the Design Process to investigate food products suitable for different situations. Basic nutrition will be addressed throughout the course.

Metal – Year 10

This unit is designed to provide students who have an interest in metal an opportunity to further enhance their skills. Students working in this unit will be allowed to use a greater range of tools and equipment to produce a number of items. Students will use the design process to have personal input into their projects.

Textiles – Year 10

Fancy yourself as a designer of fashion, textiles, or even an interior designer? Students can pick up some very good skills to kick-start their career in this subject. Students choose their own units of study according to an area of design of their own interest. All students are encouraged to challenge themselves in the investigation, design, production and evaluation of the units they complete. Students are expected to participate in a number of excursions and activities of which could include Melbourne Fashion Week, an industry visit and a guest speaker.

Wood – Year 10

This unit is designed to develop and extend the students’ problem solving and practical skills, including an awareness of the safe use of tools, production processes and evaluation of products. Students will design and produce an article of furniture to suit a given environment. The choice is open with one constraint being that the design must incorporate the construction of a drawer. A student also undertaking VET building and Construction may choose to elect VCE units 1 and 2.

Information Technology

Year 10 – Computer Programming and Robotic Systems

This unit is designed to provide a broad introduction into programming environments and to give students an opportunity to manipulate computer code to control specific computer platforms. Students will learn and apply computer code to: create websites, design and produce computer games (including iOS), manipulate information systems, and control micro-processors such as the Arduino. Within this unit students will also have an opportunity to build robotic systems and learn to control them with specific computer code. This unit of study leads into VCE Information Technology, VCE Systems Engineering, and VET ICT Studies.
HEALTH AND PHYSICAL EDUCATION
YEAR 10 UNITS:

Adventures and Challenges
This unit is intended for those students wanting to try a range of outdoor pursuits. Activities include: water safety, navigation, rafting, cycling, body boarding, surfing, snorkelling, fishing, sailing, rock climbing and abseiling.

Basketball
This unit is an opportunity to look at the game of basketball from a “sports science” perspective. Areas of study include: components of fitness, principles of training, developing a training programme, fitness and skills testing, nutrition, injury prevention/rehabilitation, and sports psychology. This unit will provide students with a good introduction to some of the concepts studied in VCE Physical Education Units 1 – 4.

Fitness
This unit includes the following areas of study – concepts of fitness, measurement of performance, anatomy and physiology, energy requirements, training principles and methods. Students will have an opportunity to design training programs, develop personal fitness and evaluate beliefs about fitness. This unit would be an excellent preparatory unit for VCE Physical Education as it covers work relating to one or more of the VCE Physical Education Units 1 – 4.

Football
This unit is designed for students who are keen to extend their knowledge of Australian Rules Football – from both a playing and coaching perspective. Areas of study include: history and rules of the game, individual and team skills, training methods, game strategies and tactics, sports nutrition, injury prevention and treatment. This unit would be an excellent preparatory unit for VCE Physical Education as it covers work relating to one or more of the VCE Physical Education Units 1 – 4.

Health
This unit covers a range of health issues and includes the study of: nutrition, health status of Australians, mental health, loss and grief, community health and health promotion initiatives. Students will have the opportunity to take part in the virtual parenting unit, using the interactive babies. This unit would be an excellent preparatory unit for VCE Health and Human Development as it covers work relating to one or more of the VCE Health and Human Development Units 1 – 4.

Surfing
Learn about the exciting lifestyle sport of surfboard riding. Boys and girls, surfboard riders, longboarders and body boarders, beginners to elite level catered for. Explore surf history and culture, equipment and accessories, local beaches, waves, tides and the weather, famous surfers and what motivates them, the world of competitive surfing, biomechanics of surfing, safety in the surf and surfing etiquette, and of course … go surfing! This unit would be an excellent preparatory unit for VCE Physical Education as it covers work relating to one or more of the VCE Physical Education Units 1 – 4.