# Year 10
## 2017 Course Selection Handbook

## Table of Contents
- Year 10 Courses ......................................................4
- Careers Introduction ..............................................5
- Year 10 Units offered ..............................................6
- Mathematics Pathway Recommendation Year 10 in 2017 ........................................................7
- Course Planning Page ...........................................8
- Arts ...........................................................................9
  - Art .................................................................9
  - Drama ...........................................................10
  - Music .............................................................11
  - Multimedia Art and Design ................................12
  - Visual Communication ......................................13
- Commerce ................................................................ 14
  - Drive and Survive ...........................................14
  - Law ....................................................................15
  - Managing A Business ......................................16
- English .....................................................................17
  - Applied English ..............................................17
  - English ...........................................................18
  - English As An Additional Language (EAL) ........19
  - Extension English ...........................................20
  - Literacy Support / Literacy Support EAL ..........21
  - Creative Writing .............................................22
  - Literature .........................................................23
- Health and Physical Education ..................................24
  - Exercise Science In Physical Education ...........24
  - Mind, Body and Soul ........................................25
  - Vet - Certificate Ill In Sport and Recreation ..........26
- Humanities ................................................................27
  - People and Places ............................................27
  - Politics ............................................................28
  - Rights And Freedoms ......................................29
  - World War II ..................................................30
- Information Technology ...........................................31
  - Database Management Systems .....................31
  - Introduction To Programming .........................32
  - Robotics ..........................................................33
  - VET - Certificate III .........................................34
  - Information Technology - Part 1 ....................34
  - VET - Certificate III .........................................35
  - Information Technology - Part 2 ....................35
- LOTE ........................................................................36
  - French .............................................................36
  - Italian .............................................................37
  - Japanese (2nd Language) ...............................38
  - Vietnamese .....................................................39
- Mathematics ...........................................................40
  - Mathematics Pathways From Year 9 To Year 12 ........40
  - Extension Mathematics Pathway from Year 7 To Year 12 ........41
  - Overview ..........................................................42
  - Mathematics A ................................................42
  - Mathematics B ................................................43
  - Preparation Mathematics ................................44
  - Mathematics B (Advanced) ............................45
  - Information Technology – Part 1 ....................34
  - Information Technology – Part 2 ....................35
- Science ....................................................................47
  - Suggested Science Pathways ..........................47
  - Chemistry .........................................................48
  - Biology ............................................................49
  - Psychology ......................................................50
  - Physics ............................................................51
  - General Science ................................................52
- Technology .............................................................53
  - Fashion .............................................................53
  - Food Studies .....................................................54
  - Food For Thought – Advanced Cooking ..........55
  - Woodwork .......................................................56
- Notes ....................................................................57

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St Albans Secondary College
Main Road East
ST ALBANS, 3021
Telephone: 9366 2555
www.stalbanssc.vic.edu.au
YEAR 10 COURSES

1. In choosing subjects at Year 10 level you must always make sure that you keep your options open and take as wide a range of subjects as possible.
   This is to ensure that you do not drop subjects which you may later need to have in order to take up a chosen career path.

2. Before selecting subjects make sure that you check particular requirements/pre-requisites for the Tertiary Courses or Careers you may be interested in. Your MIPS work with Careers Fast Track and your Careers and Course Selection assignment is an excellent source of information and ideas.

3. We suggest that you find out as much as you can about different courses and careers. Talk to Ms Armstrong the Careers Coordinator, Year Level Coordinators, Subject Teachers and Key Learning Area Coordinators. Read “The Job Guide” available from the Careers Room.

4. Subjects will run depending upon the availability of teachers, facilities, class sizes and timetabling.

Ms Annetts
Ms McFarland
Mr Ryan
Ms Leontiades
Ms Cowell

Middle School Coordination Team

CAREERS INTRODUCTION

There are 3 factors to be considered when deciding on subjects:

1. Do you have some ability in the type of subject?
2. Do you enjoy that field of study?
3. How does it relate to your career intentions?

You should begin now finding out as much information as possible about different careers. To find out more about careers:

1. Talk to People - A good way of finding out what jobs are most likely to appeal to you is by talking to as many people as possible about the work they do.
2. Work Experience - This can give you an insight into the world of work and an awareness of whether a particular job is right for you. Year 10 students do work experience the last two weeks of term two.
3. Vocational Guidance - There are people who can offer you specialised help in the careers area. Begin by visiting the Careers Room and talking to your Careers team at school.

4. Check out the following web pages:
   - My Future:  www.myfuture.edu.au
   - VTAC Course Link (Free service)

An interactive web-based program aimed to assist students in Years 10-12 and their parents to investigate course options based on arrange of criteria, including interests, studies undertaken and results.

www.vtac.edu.au

An Introduction to VCAL

The Victorian Certificate of Applied Learning (VCAL) is a ‘hands-on’ option for students in Years 11 and 12. Like the VCE, the VCAL is a recognised senior secondary qualification. Unlike the VCE, which is widely used by students as a pathway to university, the VCAL focuses on ‘hands-on’ learning. Students who do the VCAL are more likely to be interested in going on to training at TAFE, doing an apprenticeship or getting a job after completing Year 12.

The VCAL’s flexibility enables students to design a study program that suits their interests and learning needs. Students select accredited curriculum components from Vocational Education and Training (VET) qualifications and VCAL units. There are four compulsory strands in VCAL:

- Literacy and Numeracy Skills;
- Work Related Skills;
- Industry Specific Skills; and
- Personal Development Skills.
### YEAR 10 UNITS OFFERED AT ST ALBANS SECONDARY COLLEGE

This is a full list of the Units offered and in which of the 9 Key Learning Areas they belong.

For more information on any of the units refer to the detailed descriptions that occur later in this booklet or contact the teacher named.

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<thead>
<tr>
<th>KLA</th>
<th>UNIT</th>
<th>Contact Teacher</th>
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<tbody>
<tr>
<td>Arts</td>
<td>Art</td>
<td>Mr D’Aglas</td>
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<td>Drama</td>
<td>Ms Panteli</td>
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<td>Music</td>
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<td>Multimedia Art and Design</td>
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<td>Visual Communication</td>
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<td>Commerce</td>
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<td>Managing a Business</td>
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<td>English / English as an Additional Language (EAL)</td>
<td>Applied English - 2 semesters</td>
<td>Ms Kent</td>
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<td>Creative Writing - 1 Semester</td>
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<td>Health and Physical Education</td>
<td>Exercise Science in Physical Education</td>
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<td>VET - Cert III in Information Technology Part 2 - 2 semesters</td>
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<td>Vietnamese - 2 semesters</td>
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<td>Mathematics</td>
<td>Mathematics A - 2 semesters</td>
<td>Mr McIntyre</td>
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<td>Preparation Mathematics</td>
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<td>Science</td>
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<td>General Science</td>
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<td>Technology</td>
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<td>Food Studies</td>
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<td>Food for Thought! – Advanced Cooking</td>
<td>Mr D’Aglas</td>
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<td>Woodwork</td>
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### MATHEMATICS PATHWAY RECOMMENDATION YEAR 10 IN 2017

**Student Name:**

**Home Group:**

I have discussed my Mathematics Pathway with my current Year 9 Mathematics Teacher (initials): ______________________

Student Signature: ______________________

**Year 9 Mathematics Teacher:**

I have discussed (student’s name): ______________________ Year 9 Maths results with them.

In 2016, I recommend they study (please tick one):

- [ ] Mathematics B and Mathematics B (Advanced)
- [ ] Mathematics A
- [ ] Preparation Mathematics
- [ ] General Mathematics Unit 1 and 2 and Specialist Mathematics Unit 1 and 2 (For students already in Accelerated Mathematics classes).
- [ ] Specialists Mathematics Unit 1 and 2 (For students already in Accelerated Mathematics classes)
- [ ] General Mathematics Unit 1 and 2 (For students already in Accelerated Mathematics classes)

Teacher Name: ______________________

Teacher Signature: ______________________

If I do not wish to follow my Mathematics teacher’s recommendations:

I have considered the recommendations given to me by my Mathematics Teacher and wish to act against these recommendations and study ______________________ in 2017.

I understand that I may be at risk of failing this subject and will not be guaranteed a place in an appropriate Mathematics class if I am not passing and wish to change subjects.

Student Signature: ______________________

Parent Signature: ______________________
## ARTS

### ART

**Overview**
Art meets the needs of students who wish to investigate various forms of studio production. Students explore a range of media including Painting, Drawing, Printmaking, Computer software and Sculpture.

**Contents / Skills**
In Art, students learn to:
- Students explore media and creative techniques appropriate for the development of a range of artwork;
- Students investigate traditional and non-traditional use of media;
- Students apply research to create their own artworks;
- Students maintain a workbook which documents developmental work and research; and
- Students make a folio of artworks.

**Links to Further Study**
- VCE Studio Arts / VCE Visual Communication.

**Selection Advice**
This unit is designed for students with an interest in exploring art making or those wishing to explore creative expression, creative visualisation and creative thinking.

### Intended Acceleration: Subjects

<table>
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<th>First choice:</th>
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<td>Second choice:</td>
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**Reminders**

- You must choose 2 units of English or 2 units of EAL.
- You must choose 2 units of Mathematics. These can be either Mathematics A, Preparation Mathematics or Mathematics B.
- You must choose at least one unit of science (Chemistry, Biology, Physics, Psychology or General Science).
- If you choose a LOTE, you must enter this choice in 2 boxes as you complete 2 semesters.
- If you have chosen Mathematics B you MUST select Mathematics B (Advanced) for both Semesters also.
- In your remaining selections you must choose at least 1 unit from 4 different KLA areas. Note that units can be selected once only.

**Choices 13-18** are additional units you would be willing to do if any of the above are not available.

**Name of Unit (with code)**

<table>
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<tr>
<th>Selection</th>
<th>Put your choice of English units here</th>
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ARTS

DRAMA

Overview
The study of Drama focuses on the creation and performance of characters and stories using non-naturalism. Students draw on a range of stimulus material and play-making techniques to develop and present devised work. Students also explore a range of performance styles and conventions, dramatic elements and stagecraft. They use performance and expressive skills to explore and develop role and character. They analyse the development of their own work and performances by other drama practitioners.

Contents / Skills
In Drama, students learn to:
- Develop an understanding of different performance styles and conventions;
- Develop and refine expressive and performance skills;
- Focus on the processes used to develop and create performance works;
- Develop leadership skills through group work and the production of ensemble performances;
- Devise and perform ensemble dramatic works; and
- Analyse and evaluate a professional performance.

Links to Further Study
- VCE Drama.
- VCE Theatre Studies.

Selection Advice
This unit is available to all students. Students who enjoy the performing arts and want to develop their performance skills are encouraged to take this unit.

ARTS

MUSIC

Overview
This unit focuses on developing skills in practical music and performance in solo and group contexts, studying performance and performing, and developing skills in aural comprehension and organisation of sound. Students will present a solo and a group performance, demonstrate prepared technical work and perform previously unseen music.

Contents / Skills
This study is designed to enable students to:
- Develop skills in practical music making and performance;
- Develop performance skills in solo and group settings;
- Develop skills in giving prepared and unprepared performance;
- Develop skills in aural perception and comprehension;
- Develop skills in the organisation of sound;
- Perform a program of selected works;
- Develop an understanding of aspects relevant to music performance and the performer; and
- Develop an understanding of interpretation in music performance.

Links to Further Study
- Certificate III in Music - Year 10 Music is designed to prepare students for entry to a VET - Certificate III in Music. This is a nationally recognised TAFE qualification that students complete whilst studying VCE.

Selection Advice
Students who enjoy the performing arts and want to develop their performance skills are encouraged to take this unit.
MULTIMEDIA ART and DESIGN

Overview
This subject is directed towards increasing a student’s ability to understand, analyse and document their visual environment.
Through a thematic approach students manipulate and or animate digital images. Using a range of digital technologies and software such as Photoshop and Stop Motion, students explore production techniques and presentation styles.

Contents / Skills
Topics to be covered would include:
- Image and message analysis;
- The visual environment;
- Audience identification;
- Digital image manipulation; and
- Theme exploration.

Links to Further Study
- This subject offers pathways to studies in Art and Design or IT subjects in VCE.

ARTS

VISUAL COMMUNICATION

Overview
Visual Communication is an area of study which equips students with the ability to communicate through a wide range of media. Students explore communication, environmental and industrial design. In this field of study students will learn about the various elements and principles of design and how to effectively incorporate them into their designs. Students will utilise various computer programs as well as technical drawing techniques used in industry.

Contents / Skills
Topics to be covered would include:
- Freehand, Instrumental and Computer Generated Designs;
- Drawing conventions;
- Concept development and the application of Elements and Principles of Design;
- Information Design;
- Technical Drawing and Product Design; and
- Illustration.

Links to Further Study
- VCE Visual Communication and Design Units 1 – 4.
**DRIVE and SURVIVE**

Overview
This course focuses on the legal, economic and social issues relating to motor vehicles. Students will investigate road laws, traffic safety issues, and requirements for getting a Learner’s Permit and Licence. Students will also investigate the requirements for purchasing a car.

Contents / Skills
In Drive and Survive, students learn to:
- Analyse driver behaviour and causes of crashes;
- Identify and analyse strategies designed to promote road safety;
- Analyse consequences of road trauma and drink driving;
- Investigate the requirements in getting your Learner’s Permit and Probationary Licence;
- Participate in practical driving sessions (depending on cost and level of demand);
- Investigate the different ways a motor vehicle can be purchased; and
- Research the running costs involved with the purchase of a motor vehicle.

Links to Further Study
- VCE Legal Studies.
- VCE Economics.
- VCE Accounting.
- VCAL.

Selection Advice
Students who are interested in gaining knowledge for their Learner’s Permit, road safety issues and financial benefits and costs associated in buying a motor vehicle.

---

**LAW**

Overview
This subject looks at how the law impacts on people. Students will examine the role of law in society, key features of Australia’s legal system at the state and federal levels, and factors causing changes to the law.

Contents / Skills
In Law, students learn to:
- Complete film reviews for case studies;
- Demonstrate an understanding of how laws are made and enforced;
- Examine key elements of criminal and civil law, including police investigative techniques;
- Analyse changes to the law;
- Observe how a court works by attending excursions to the Magistrates’ Court and the Criminal Justice Museum;
- Learn their rights and responsibilities when dealing with the police; and
- Contract law for minors.

Links to Further Study
- VCE Legal Studies.
- VCE Politics.

Selection Advice
Students who are interested in a career in the legal system e.g. becoming a lawyer or police officer and are interested in how the law affects members of society, who want to develop their knowledge and awareness of the legal system, and who seek a better understanding of their legal rights are encouraged to select this unit.
COMMERCE

MANAGING A BUSINESS

Overview
This subject examines the operation, structure and financial management of businesses. It will enable students to investigate what is required to run a successful business. Students will also study practical aspects of accounting and develop skills in calculating, recording and reporting financial events for a business. These skills and knowledge will be used to set up and manage a school-based business.

Contents / Skills
In Managing a Business, students learn to:
- Identify factors relevant to starting a small business;
- Identify and analyse reasons for business success and failure;
- Analyse a range of marketing methods used to sell a product/service;
- Develop an accounting system;
- Record and report financial transactions into the appropriate journals and financial statements;
- Apply procedures for effective cash management control;
- Determine selling price and profit margins;
- Analyse various forms of Business ownership and structure;
- Analyse the stock market, including attending an excursion to the Australian Stock Exchange;
- Determine business location; and
- Demonstrate an understanding of small business management by operating a school-based business.

Links to Further Study
- VCE Legal Studies.
- VCE Accounting.
- VCE Business Management.
- VET Small Business Practice.

Selection Advice
Students who are interested in owning and running their own small business would find this unit beneficial.

ENGLISH

APPLIED ENGLISH

2 SEMESTERS

Overview
Participation in many aspects of Australian life depends on effective communication in Standard Australian English. The study of Applied English helps create confident communicators and informed citizens and helps young people to develop the literacy knowledge and skills needed for future training and the workplace.

Contents / Skills
In Applied English, students learn to:
- Comprehend what they read and view in written, digital, and cinematic texts aimed to entertain, inform and persuade audiences. Texts chosen for study in Applied English include everyday media texts and workplace texts;
- Become fluent writers who know how to edit their writing for clarity; and
- Use a range of software programs to communicate and create clear, effective texts.

Links to Further Study
- VCAL Literacy.

Selection Advice
This course does not link to VCE English or EAL and parents will be consulted about the implications of this choice.
ENGLISH

ENGLISH

2 SEMESTERS

Overview
Participation in many aspects of Australian life depends on effective communication in Standard Australian English and English is invaluable globally. The study of English helps create confident communicators, imaginative thinkers and informed citizens and helps young people develop the knowledge and skills needed for education, training and the workplace.

Contents / Skills
In English, students learn to:
• Listen to, read, view, speak, write, create and reflect on spoken, written and multimodal texts;
• Appreciate, enjoy and use the English language to evoke feelings, convey information, form ideas, interact with others, entertain, persuade and argue; and
• Develop interest and skills in inquiring into various forms of texts, and literature.

Links to Further Study
• Year 10 English is an essential preparation for VCE English units 1-4, and Literature units 1-4.

Selection Advice
English is a compulsory core subject. All students must complete 2 units of English at Year 10.

ENGLISH AS AN ADDITIONAL LANGUAGE (EAL)

2 SEMESTERS

Overview
Participation in many aspects of Australian life depends on effective communication in Standard Australian English and English is invaluable globally. The study of EAL helps create confident communicators, imaginative thinkers and informed citizens and helps students from non English speaking backgrounds to develop the knowledge and skills needed for education, training and the workplace. EAL classes provide students with additional time and support and specialised teaching to address students’ developing language proficiency.

Contents / Skills
In EAL, students learn to:
• Listen to, read, view, speak, write, create and reflect on spoken, written and multimodal texts;
• Appreciate, enjoy and use the English language to evoke feelings, convey information, form ideas, interact with others, entertain, persuade and argue; and
• Develop interest and skills in inquiring into various forms of texts, and literature.

Links to Further Study
• VCE English / VCE EAL.

Selection Advice
EAL classes are for students who speak a language other than English at home and who have been enrolled in an Australian school for less than five years.
ENGLISH

EXTENSION ENGLISH
2 SEMESTERS

Overview
Extension English focuses on developing students’ analytical, creative and critical thinking and communication skills. Through close study and wide reading, viewing and listening, students develop the ability to appreciate and evaluate the purpose, stylistic qualities and conventions of literary and non-literary texts and enjoy creating their own imaginative, interpretive and analytical responses.

Contents / Skills
Extension English students refine their skills by engaging critically and creatively with texts and they hone their oral communication skills through discussion, debate and argument, in a range of formal and informal situations. In addition to the content and skills of the English course, Extension English aims to develop students:
- Understanding of the use of the English language;
- Appreciation and creation of interpretive, persuasive and imaginative texts; and
- Engagement in critical analysis and reflection.

Links to Further Study
- Year 10 Extension English is effective preparation for VCE English units 1-4; and Literature units 1-4.

Selection Advice
Extension English is offered to students who achieve an exemplary result in Year 9 Extension English and it may be offered to other Year 9 students if their English teacher recommends them for the course. Students of Extension English need to be highly motivated to study at an advanced level and to take on an increased workload.

ENGLISH

LITERACY SUPPORT / LITERACY SUPPORT EAL
2 SEMESTERS

Overview
The Literacy Support Program is designed to develop students’ literacy and communication skills in order to help them meet the academic demands of secondary school students.

Contents / Skills
During highly structured lessons, students in the Literacy Support Program:
- Develop decoding and reading comprehension skills during independent and group reading sessions;
- Continue to build their vocabulary and practice proofreading and editing skills;
- Learn to write a variety of text types;
- Learn to identify, understand and analyse a variety of visual texts;
- Create meaningful visual texts of their own;
- Develop speaking and listening skills; and
- Learn how to give and receive feedback.

Selection Advice
Entry into the LSP subjects is by teacher recommendation.
**CREATIVE WRITING**  
**1 SEMESTER**

**Overview**  
The aim of the Creative Writing subject would be for students to be exposed to two different types of genres; narrative writing and memoir writing. They would have the opportunity to develop their writing and writing process skills. The purpose of the course is two-fold: to give students the opportunity to develop a polished piece of writing for publication submission and to offer an English class purely selected on interest.

**Contents / Skills**  
In Creative Writing, students learn to:
- Develop an understanding of various writing genres;
- Read short narratives and deepen understanding of form and style;
- Develop writing of narratives, using organisation of ideas; and
- Craft entertaining beginnings – authors must understand the function of a story beginning – to grab the reader’s attention and introduce the reader to the story world.

**Links to Further Study**  
- As a Year 10 English unit, it will allow students to further develop and consolidate their skills so that they are better prepared for their VCE examinations.

**Selection Advice**  
This unit is offered as an additional optional English study for those students who enjoy reading and writing narratives.

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**LITERATURE**

**Overview**  
In Literature, students engage with a variety of texts for enjoyment. Literature will appeal to students who enjoy reading, watching films and studying English.

**Contents / Skills**  
In Literature, students learn to:
- Interpret, create, evaluate, discuss and perform a wide range of literary texts. Texts include films, works of fiction, poetry and dramatics performances. These texts focus on issues of human experience and cultural significance, interpersonal relationships, and ethical and global dilemmas from a variety of perspectives.

**Links to Further Study**  
- While Year 10 Literature is not a prerequisite for VCE Literature, it does provide students with an opportunity to focus on an area of interest and enjoyment. Students should note that they may study English Units 3 and 4 or Literature Units 3 and 4 to meet VCAA requirements. If they choose, students may study both English and Literature at VCE level.

**Selection Advice**  
Students of Extension English should seriously consider the study of Literature, as should students who enjoy reading, writing, theatre and film.
EXERCISE SCIENCE IN PHYSICAL EDUCATION
1 SEMESTER

Overview
This unit is aimed at exposing students to the many aspects of physical activity and sport. They will undertake laboratory practical activities, and apply the theoretical content learnt in class to further their understanding of physical education and sport.

Contents / Skills
In Exercise Science in Physical Education, students will:
- Gain knowledge of various fitness tests and how their own personal performance compares to others;
- Organise a competition and game sense to improve their team strategy. These skills have a practical and theory component associated with them, and will be based around sports such as: futsal, basketball, indoor hockey, volleyball, badminton, table tennis and tennis;
- Develop theory and practical knowledge and skills required to participate in VCE Physical Education; and
- Learn about the musculo-skeletal, cardio-respiratory body systems, energy systems, food fuels, biomechanics and skill acquisition.

Links to Further Study
- VCE Physical Education or a career in the sports and fitness industry.

Selection Advice
This unit is suitable for any students who wish to continue their physical education.

Note: Due to the nature of some of the activities there will be a cost to the students of approximately $24.00.

MIND, BODY AND SOUL
1 SEMESTER

Overview
The focus of this unit is to examine many facets of human health such as mental health, physical fitness and health and illness in Australia. Learning these concepts and participating in physical activity will give students the knowledge to help manage their immediate and future lives. The course is predominantly theory work with some practical components included.

Contents / Skills
In Mind, Body and Soul students will:
- Study units of work on mental health, health in Australia, physical fitness and personal identity; and
- Gain life management skills through healthy exercise habits, stress management, and an awareness of illness prevention.

Links to Further Study
- VCE Health and Human Development and VCE Physical Education.

Selection Advice
This unit is suitable for any student interested in VCE Health and Human Development and VCE Physical Education.

Note: Due to the nature of some of the activities there will be a cost to the students of approximately $15 for excursions.
HEALTH AND PHYSICAL EDUCATION

VET - CERTIFICATE III IN SPORT and RECREATION
2 SEMESTERS

Course Aims
This program aims to provide specific skills and knowledge required for an assistant level employee at an aquatic centre or gymnasium / dry area fitness centre. The functions of a person with this qualification may include assistance with the conduct of recreation activities and event, facility maintenance and general workplace operations. This course has a strong focus on the practical aspects of the Recreation industry. The program is delivered within the school and students have the opportunity to utilise the facilities at the school.

Future Pathways
Certificate II in Community Recreation provides a pathway for students who wish to pursue a range of occupations in the sport and recreation industry, including:
- Admin in a recreation setting;
- Community recreation;
- Coaching; and
- Fitness Instruction and Personal training.

Course Outline

VCE VET UNITS 1 and 2
- Organise personal work priorities.
- Apply First Aid.
- Operate application software packages.
- Provide customer service.
- Respond to emergency situations.
- Follow OHS policies.
- Provide equipment for activities.
- Provide Fitness Orientation.
- Maintain Sport and Rec equipment for activities.

VCE VET UNITS 3 and 4
- Conduct basic warm up/cool down programs.
- Plan / conduct sport and recreation session.
- Facilitate groups.
- Analyse participation patterns.
- Provide public education of use of resources.
- Undertake risk analysis of activities.
- Provide fitness orientation.
- Instruct and monitor fitness programs.

NOTE: Only limited spaces available upon written recommendation from Year 10 Coordinators and from the Health and Physical Education Department.

HUMANITIES

PEOPLE AND PLACES

Overview
This Geography subject has two main units. In ‘People’, we look at “human wellbeing” (quality of life) and how and why this is different around the world. In ‘Places’, we study the impacts of people on the world and environment around us, and how we can reduce our negative impacts. There will be at least one fieldtrip to allow students to develop their fieldwork skills.

Contents / Skills
In People and Places, students learn about:
- The differences in standard of living between different countries and within countries;
- The reason why countries have different levels of development;
- Some of the solutions developed by governments and organisations such as the UN, AusAID;
- Developing solutions to issues of development;
- The different ideas people have about our physical environment;
- The problems that our environment faces, such as pollution and global warming;
- The management of local environments, such as coastal area in Melbourne, and
- The management of an international environment, such as a coastal area in the UK.

This unit will include at least one field trip.

Main Skills Developed
- Problem-solving.
- Generating and developing solutions.
- Analysis.
- Observation.
- Collecting and recording data.
- Fieldwork skills.
- Research skills.

Links to Further Study
- VCE Geography.
- VCE History.
- VCE Political Studies.

Selection Advice
This unit can be taken separately or it can follow on from any other Humanities unit.
HUMANITIES

POLITICS

Overview
An understanding of national and international decision making processes is vital for everyone. Individuals, groups, organisations and governments make decisions with global impacts. As students understand power, decision making and the forces that shape national and global politics, they will become more informed citizens, voters and participants in their local, national and international communities.

Contents / Skills
In Politics, students learn about:

- Cold War conflicts;
- Global interconnections in the twentieth and twenty-first centuries;
- How social and cultural movements have developed;
- Australia’s federal political system;
- How citizens influence government policy through participation in political parties, elections and membership of interest groups;
- How well democratic values are reflected in aspects of the Australian political system; and
- The role of global organisations in responding to international issues.

Main Skills Developed
- Research and analytical skills.
- Critical thinking.
- Essay writing.
- Ability to express opinions with clarity.
- Interpretation of issues and events.

Links to Further Study
- VCE International Politics.
- VCE Legal Studies.
- VCE History.

Selection Advice
If you take an interest in current affairs, national and international politics then this subject is for you. It compliments Hitler’s World, Asian Studies, Great Events in Ancient History and Law very well.

RIGHTS AND FREEDOMS

Overview
The unit begins with an exploration of the origins and significance of the Universal Declaration of Human Rights, including Australia’s involvement in the development of the declaration. There is a focus on the struggle of Aboriginal and Torres Strait Islander peoples for rights and freedoms before 1965, including the 1938 Day of Mourning and the Stolen Generation. Further exploration surrounds the US civil rights movement and its influence on Australia. Key events studied include the 1962 right to vote federally; 1967 Referendum; Reconciliation; Mabo Decision; Bringing Them Home Report (the Stolen Generations), the Apology. Students will gain an understanding of the methods used by civil rights activists to achieve change for Aboriginal and Torres Strait Islander peoples, and the role of one individual or group in the struggle. The unit concludes with a study of the continuing nature of efforts to secure civil rights and freedoms in Australia and through the world, such as the Declaration of the Rights of Indigenous Peoples (2007).

Contents / Skills
In Rights and Freedoms, students learn about:

- UN declaration of Universal Human Rights;
- Civil Rights movements globally;
- Civil Rights movements in Australia;
- Significant events in the struggle for Indigenous rights and freedoms;
- The stolen generations; and
- The continuing efforts to secure civil rights and freedoms.

Main Skills Developed
- Research skills.
- Source analysis (Primary and Secondary).
- Extended writing.
- Film analysis.
- Critical evaluation of evidence.
- Use of appropriate historical language and conventions.
- Empathy.

Links to Further Study
- VCE History.
- VCE Geography.
- VCE Global Politics.

Selection Advice
This unit can be taken separately or it can follow on from any other Humanities unit.
HUMANITIES

WORLD WAR II

Overview
This unit begins with an overview of the causes and course of World War II. Students examine significant events of World War II, including the Holocaust and use of the atomic bomb. There is a focus on the experiences of Australians during World War II (such as Prisoners of War (POWs), the Battle of Britain, Kokoda, and the Fall of Singapore). Further exploration surrounds the impact of World War II, with a particular emphasis on the Australian home front, including the changing roles of women and use of wartime government controls (conscription, manpower controls, rationing and censorship). The unit concludes with a discussion of the significance of World War II to Australia’s international relationships in the twentieth century, with particular reference to the United Nations, Britain, the USA and Asia.

Contents / Skills
In World War II, students learn about:
• The causes of World War II;
• Significant Events of World War II;
• The Holocaust;
• Australian Experiences in World War II; and
• The lasting impact to World War II.

Main Skills Developed
• Research skills.
• Source analysis (Primary and Secondary).
• Extended writing.
• Film analysis.
• Critical evaluation of evidence.
• Use of appropriate historical language and conventions.
• Empathy.

Links to Further Study
• VCE History.
• VCE Geography.
• VCE Global Politics.

Selection Advice
This unit can be taken separately or it can follow on from any other Humanities unit.

INFORMATION TECHNOLOGY

DATABASE MANAGEMENT SYSTEMS

Overview
This unit provides students with an understanding of how data is stored, modified and accessed in both networked and stand-alone systems. Students will research existing databases and create their own using software that is readily available. Students will also work collaboratively to maintain databases that they have created.

Contents / Skills
Students will use the following Microsoft Office software:
• Microsoft Access; and
• Dreamweaver.
Students will undertake hands-on activities to improve their skills in the use of the above software. Students will create databases using MSAccess and use Dreamweaver to create an interface to access and to add data to the database which may be stored on a local machine, an intranet or the internet.

Assessment Tasks
• Project - creating an on-line database system.
• Research - structure and usefulness of an existing database.
• On-line and written tests.

Links to Further Study
• Use of database management software is required for:
  - VCE Unit 2: Computing – Outcome 3.
  - VCE Unit 3: Informatics – Outcome 1.
• Software studied in this course is also used in several VET-IT units.

Selection Advice
Students wishing to study any IT course in Years 11 and 12 will find this unit useful. Most non-IT courses at tertiary level involve at least some use of databases and an early understanding of this system will be useful.
### INFORMATION TECHNOLOGY

#### INTRODUCTION TO PROGRAMMING

**Overview**
This unit introduces students to the world of programming. On completion of this unit students will have developed an understanding of the steps involved in writing computer programs.

**Contents / Skills**
Students will use one of the following software:
- Visual Basic.
- Java.
- Visual C++.

Students will undertake hands-on activities to develop programming concepts needed to enter the field of programming. Students will have the opportunity to learn about the steps involved in programming. Students will also be introduced to the application of programming to create computer games.

**Links to Further Study**
- Computing Units 1 and 2.
- Certificate III in Information Technology.
- Informatics Units 3 and 4.
- Software Developments Units 3 and 4.

**Selection Advice**
Students wishing to develop an understanding of programming languages should undertake this Information Technology unit. It is strongly recommended that students have basic computer usage skills.

### INFORMATION TECHNOLOGY

#### ROBOTICS

**Overview**
Are you creative and do you like to put your designs to work? This unit examines the use of robotic systems. You will use Robolab to learn basic programming skills. This unit will include solving problems in programming. The application of computer programs and the use of mechanical and computer systems will be the main focus. Students will be expected to complete three major projects and may use their projects to compete in the Robosoccer competition.

**Contents / Skills**
In Robotics, students learn to:
- Prepare detailed designs and make products using the Lego ‘Mindstorm Kits’;
- Analyse the products effectiveness with reference to design criteria; and
- Build your own simple robots to meet prescribed challenges.

**Links to Further Study**
- VCE Technology.
- VCE Information Technology.

**Selection Advice**
This unit will provide a practical base for computer programming and has design applications outside of the school-based curriculum.
INFORMATION TECHNOLOGY

VET - CERTIFICATE III IN INFORMATION TECHNOLOGY – PART 1
2 SEMESTERS

Overview
This unit provides students with knowledge and skills to create websites using web authorising software, as well as developing their understanding of the use of programming languages within web pages. Students will also learn to insert multimedia in the web pages that they have created.

Contents / Skills
In Cert III in Information Technology, Part 1, students will:
• Select and analyse website structure development tools;
• Construct a website;
• Create web pages using mark up language;
• Format web pages to specification;
• Create tables using mark up language;
• Validate web pages in different browsers to test for compatibility;
• Evaluate a website;
• Use digital camera; and
• Insert images into web pages.

Links to Further Study
• This course provides a direct link to Certificate III in Information Technology that is studied in Years 11 and 12 and will assist students in obtaining a partial / full Certificate III in Information Technology. Parts of this course also provide a pathway to VCE Information Technology Units 1 and 2.

Selection Advice
Students interested in a career in the IT industry or those who have an interest in web design will find this course useful.

Students wishing to do Certificate III in IT at VCE level must complete Certificate III in Information Technology – Part 1 and 2 in Year 10.

For a full Certificate III in Information Technology, you must complete this course in Years 10, 11 and 12.

VET - CERTIFICATE III IN INFORMATION TECHNOLOGY – PART 2
2 SEMESTERS

Overview
This unit provides students with knowledge of backup procedures, establishing maintenance procedures for computer hardware. Students will acquire skills to modify and connect internal hardware components and install a network hardware component. Students will also learn to implement system software changes and handover the modified system to the client.

Contents / Skills
In Cert III in Information Technology - Part 2, students will:
• Solve organisational problems involving the use of technology;
• Evaluate new or upgraded technology;
• Establish safe work practices;
• Establish maintenance practices;
• Install internal hardware components;
• Install a piece of network hardware;
• Determine required system changes;
• Carry out system changes; and
• Hand over changed system to client.

Links to Further Study
• This course proves a direct link to Certificate III in Information Technology that is studied in Years 11 and 12 and will assist students in obtaining a partial / full Certificate III in Information Technology. Parts of this course also provide a pathway to Information Technology, Units 1 and 2.

Selection Advice
Students interested in a career in the IT industry or those who have an interest in the latest IT hardware and software will find this course useful.

Students wishing to do Certificate III in IT at VCE Level must complete Certificate III in Information Technology – Part 1 and Part 2 in Year 10.
**LOTE**

**FRENCH**

**2 SEMESTERS**

**Overview**
French aims to develop further communication skills in written and spoken contexts. Grammatical concepts are covered through dealing with real situations including relationships, celebrations, film, environment, health, hobbies and work. Outcomes and assessment tasks for this course will evaluate the student’s reading, writing, listening and speaking abilities.

**Contents / Skills**
Students will experience speaking in a conversational manner, including both formal and informal situations. Writing styles will include personal, imaginative, comparative and informative. Students will have the opportunity to learn practical and useful information that is authentic and contemporary.

Topics include:
- Childhood And Youth.
- The Environment.
- Staying Healthy.
- Art Movements In France.
- School And Employment.
- French Cinema.

**Links to Further Study**
- VCE French.

**Selection Advice**
Students should have completed Year 9 French to attempt this course. Semester two cannot be taken without completing the first semester.

**ITALIAN**

**2 SEMESTERS**

**Overview**
Italian aims to develop further communication skills in written and spoken contexts. Grammatical concepts are covered through dealing with real situations including relationships, dining, celebrations, film, music and hobbies and work. Outcomes and assessment tasks for this course will evaluate the student’s reading, writing, listening and speaking abilities.

**Contents / Skills**
Students will experience speaking in a conversational manner. Writing styles will include personal, imaginative and informative. Students will have the opportunity to learn practical and useful information that is authentic and contemporary.

Topics include:
- Childhood And Youth.
- The Environment.
- Staying Healthy.
- Art Movements In Italy.
- School And Employment.
- Italian Cinema.

**Links to Further Study**
- VCE Italian.

**Selection Advice**
Students should have completed Year 9 Italian to attempt this course. Semester two cannot be taken without completing the first semester.
LOTE

JAPANESE (2ND LANGUAGE)
2 SEMESTERS

Overview
Japanese aims to develop further communication skills in written and spoken contexts. Grammatical concepts are covered through dealing with real situations including cultural celebrations, film, music and hobbies. Outcomes and assessment tasks for this course will evaluate the student’s reading, writing, listening and speaking abilities.

Contents / Skills
• Students will experience speaking in a conversational manner. There will be a continuation of the Japanese scripts including new Kanji. Writing styles will include personal and informative.
• Students will have the opportunity to learn practical and useful information that is authentic and contemporary.

Links to Further Study
• VCE Japanese.
• It is compulsory that students complete both semesters of Japanese at Year 10 in order to study VCE Japanese.

Selection Advice
Students should have completed Year 9 Japanese to attempt this course. Semester two cannot be taken without completing the first semester.

LOTE

VIETNAMESE
2 SEMESTERS

Overview
Vietnamese aims to develop further communication skills in written and spoken contexts. Grammatical concepts are learned through role-plays, interviews and debates. Outcomes and assessment tasks for this course will evaluate the student’s reading, writing, listening and speaking abilities.

Contents / Skills
• Students will experience speaking in a conversational manner. Writing styles will include personal, imaginative and informative.
• Students will have the opportunity to study literature such as poetry, folklore and history. The internet and e-mail are also used in Vietnamese.

Links to Further Study
• VCE Vietnamese.

Selection Advice
This unit is designed for students who are native Vietnamese speakers.
MATHEMATICS

MATHEMATICS PATHWAYS FROM YEAR 9 TO YEAR 12

During Year 7 and Year 8, students complete the Year 7-9 Mathematics Curriculum.

In Year 9, students complete Year 10 Mathematics B as their CORE Maths and Year 10 Mathematics A as one of their electives.

Key
Usual pathway based on satisfactory completion

ST ALBANS SECONDARY COLLEGE - YEAR 10 - 2017 COURSE SELECTION HANDBOOK
Mathematics in Year 10 at St Albans Secondary College is a compulsory subject. All Year 10 students must choose either Preparation Mathematics, Mathematics A or Mathematics B (Advanced). An additional elective of Mathematics B (Advanced) may also be chosen along with Mathematics B.

Selection Advice

There are three options available to students:

COMPULSORY SUBJECTS:
1. Mathematics B
   Students who wish to continue to VCE mathematics are strongly advised to undertake this unit, along with Mathematics B (Advanced).

2. Mathematics A
   It is a comprehensive course, which provides a thorough preparation for General Mathematics in Year 11, and for participation in work and society.

3. Preparation Mathematics
   For students with limited ability in mathematics, this is an appropriate choice. Being well organised and committed to completing the required outcomes is essential for satisfactory completion of the units. Links to further study of mathematics are very restricted.

ADDITIONAL ELECTIVE SUBJECT:
4. Mathematics B (Advanced)
   A course designed to complement Mathematics B. Students who wish to enrol in VCE Mathematical Methods and/or Specialist Mathematics, must undertake both Mathematics B and Mathematics B (Advanced).

MATHEMATICS A

2 SEMESTERS

Overview

Mathematics A has two main aims:
• To give students a general background in Mathematics which builds on the knowledge taught in Year 9;
• To prepare students for further study in Mathematics at VCE level.

Contents / Skills

In Mathematics A, students study:
• Mensuration – Pythagoras’ Theorem, area, surface area and volume;
• Linear relationships – gradient, intercepts, lines of best fit, simultaneous equations, and inequations;
• Trigonometry – trigonometric ratios, calculations in two and three dimensions;
• Probability; and
• Statistics.

Eligibility

• Eligibility for Mathematics A requires an ‘E’ or above topic test average in both semesters at Year 9.

Links to Further Study

• Mathematics A provides preparation for the study of Unit 1 and 2 General Mathematics A.

Selection Advice

It is a comprehensive course, which provides a thorough preparation for General Mathematics in Year 11, and for participation in work and society.
MATHEMATICS

MATHEMATICS B
2 SEMESTERS

Overview
Mathematics B must be taken in conjunction with Mathematics B (Advanced). The topics studied build on, and extend the topics done in Year 9 Mathematics. There are also topics that specifically relate to the VCE Mathematics Study Design. Students will have the opportunity to use graphics calculators to develop their skills in the use of this technology, prior to studying VCE.

Contents / Skills
In Mathematics B, students study:
• Number - indices and index laws, standard form, surds, exponential relationships;
• Quadratic relationships – algebraic techniques for factorising and solving quadratic equations, graphing techniques;
• Geometry: circle theorems and construction; 3-dimensional drawing and the geometry of solids; triangle construction; transformations, the unit circle; and
• Matrices - definition, addition, subtraction, multiplication, inverses, application in equation solving and practical situations.

Eligibility
• Eligibility for inclusion in both Mathematics B and Mathematics B (Advanced) requires a ‘B’ or above topic test average in both semesters at Year 9.

Links to Further Study
• Students who complete this elective in conjunction with Mathematics B (Advanced) will have a thorough preparation for any Unit 1 and 2 VCE mathematics subject, depending on the interests and aptitude of individual students.

Selection Advice
Students who intend to study either Mathematical Methods CAS only, or Mathematical Methods CAS and Specialist Mathematics in Year 11, must take this unit. Mathematics B will provide additional skills in algebra, graphing and geometry.

PREPARATION MATHEMATICS
2 SEMESTERS

Overview
If you find the study of Mathematics to be very difficult and do not need a high level of Mathematics in VCE, then Preparation Mathematics may be a suitable alternative for you. Preparation Mathematics is a mathematics subject offered to Year 10 students which is practically based and avoids some of the abstract mathematics subjects done in Mathematics A. It is ideal for those students intending to complete VCAL. It does not lead onto any Year 12 mathematics topics, but will provide you with the opportunity to continue to develop your mathematics skills.

Contents / Skills
• In Preparation Mathematics there is a strong emphasis on using mathematics in practical contexts relating to everyday life, personal work and study. Students are encouraged to use appropriate technology in all areas of their study. The areas of study for these units are Numeracy, Percentages, Cost of Living, Measurement, Building and Design, Running a Business. This subject is studied all year.

Links to Further Study
• This subject leads into VCAL Numeracy units. This subject may be suitable preparation for Foundation Mathematics in Unit 1 and 2 at Year 11 VCE.

Selection Advice
This subject is best suited to those students who find mathematics difficult (particularly more abstract mathematics), and who do not need to keep their options open with regard to the further study of mathematics.
MATHEMATICS

MATHEMATICS B (Advanced)

2 SEMESTERS

Overview
Mathematics B (Advanced) is an elective subject that is designed to run in conjunction with Mathematics B. The topics studied build upon concepts covered in Mathematics B and are aligned with the content covered in Year 11 Mathematical Methods and Specialist Mathematics.

Content/Skills
Students will study:
- Exponentials and Logarithms;
- Polynomials;
- Circular functions; and
- Geometry.

Eligibility
- Eligibility of Mathematics B (Advanced) requires a ‘B’ topic test average in both semesters on Year 9 Mathematics.

Links to Further Study
- Students who successfully complete Mathematics B and Mathematics B (Advanced) will have a solid preparation for Year 11 Mathematical Methods and Specialist Mathematics. Students will also be adequately prepared for Year 11 General Mathematics.

Selection Advice
Students who intend to study either Mathematical Methods and/or Specialist Mathematics must take this unit.

SCIENCE

SUGGESTED SCIENCE PATHWAYS

- Year 10 Chemistry
- Year 11 Chemistry
- Year 12 Chemistry

- Year 10 Physics
- Year 11 Physics
- Year 12 Physics

- Year 10 Biology
- Year 11 Biology
- Year 12 Biology

- Year 10 Psychology
- Year 11 Psychology
- Year 12 Psychology

- Year 10 General Science
- Any Year 11 Science
SCIENCE

CHEMISTRY

Overview
Students explore and investigate chemicals and their reactions. Throughout the unit, there is a close link between theory and practical activities.

Contents / Skills
- Explaining Reactions
  - Chemical bonds
  - Chemical shorthand
  - Predicting a reaction
- Metals and non-metals
  - The periodic table
  - Chemical families
  - Extracting metals
- Electrochemistry
  - Cells and batteries
  - Electrolysis
  - Corrosion of metals

Links to Further Study
VCE Chemistry.

Selection Advice
Students who enjoy science and want to develop their knowledge and practical skills are encouraged to take this unit. It provides a thorough preparation for VCE Chemistry.

BIOLOGY

Overview
Students explore and investigate aspects of the living world. Throughout the unit, there is a close interrelationship between theory and practical activities.

Contents / Skills
In Biology, students study:
- Inheritance
  - Cell structure and function
  - Chromosomes
  - DNA
  - Dominant and recessive (genes)
- Species Survival
  - Variation in organisms
  - Natural selection
  - Evolution
  - Selecting genes
  - The human body
  - Health and disease
  - Major body systems
  - Homeostasis

Links to Further Study
VCE Biology.

Selection Advice
Students who enjoy science and want to develop their knowledge and practical skills are encouraged to take this unit. It provides a thorough preparation for VCE Biology.
PSYCHOLOGY

Overview
This unit is for all those students interested in exploring the amazing workings of the human brain. We will journey through the mind, exploring how the brain works and what makes each person the way they are. Types of mental disorders and addictions are areas we will explore to better understand who we are as humans.

Contents / Skills
In Psychology, students study:

- An introduction to Psychology
  - What is psychology?

- Types of Psychologists
  - Brain Function
  - Chemistry of the brain

- Clinical Psychology
  - Clinical assessment
  - Psychological tests
  - Personality and Intelligence
  - Mental disorders – symptoms and treatment

- Social Psychology
  - Human relationships
  - Body language

Links to Further Study
- VCE Biology
- VCE Psychology
- VCE Health and Human Development

Selection Advice
This unit will provide an excellent grounding for further studies in science in VCE. It will provide a very thorough preparation for VCE Psychology.

PHYSICS

Overview
Students explore and investigate aspects of the Physical World, Earth and Space. Throughout the unit, there is a close link between theory and practical activities.

Contents / Skills
In Psychology, students study:

- Communication Technology
  - Communicating
  - Electronics
  - Television and radio

- Road Science
  - Speed and acceleration
  - Stopping
  - Collisions

- Our Energy Future
  - Energy today
  - Renewable energy
  - Managing energy

- Exploring the Universe
  - The universe from earth
  - Star types and star life cycles

- Space Travel
  - Getting into space
  - Living in space

Links to Further Study
- VCE Physics

Selection Advice
Students who enjoy science and want to develop their knowledge and practical skills are encouraged to take this unit. It provides a thorough preparation for VCE Physics.
SCIENCE

GENERAL SCIENCE

Overview
Students explore and investigate different branches of science with a focus on current issues. Throughout the unit, there is a close inter-relationship between theory and practical activities.

Contents / Skills
- Students will study:
  - Biological sciences;
  - Chemical sciences;
  - Earth and space sciences;
  - Physical sciences;
  - Science as a human endeavour; and
- How advances in science and technology have enabled such things as:
  - Organ transport;
  - Space exploration;
  - Sustainable management of our environment;
  - Development of vehicles over time.

Links to Further Study
- This unit will suit students who are not sure which Science pathway they would like to choose, or enjoy all branches of Science. You may choose this unit independently in addition to other Year 10 Science units offered.

TECHNOLOGY

FASHION

Overview
This unit is designed to inspire creative fashion design. Each student participating in this program will remake or create garments suitable for runway modelling. Students will be expected to create garments to fit models of their choice. The models will be expected to parade the garments at the end of unit fashion parade.

Contents / Skills
In Fashion, students learn:
- Developmental folio skills;
- Drawing and design skills;
- Pattern making;
- Flat bed sewing techniques;
- Appliqué, Gluing and fastening techniques;
- Silk screening and fabric printing; and
- Embroidery and patchwork.

Links to Further Study
- VCE Studio Arts.
- VCE Visual Communication.
- VET Certificate III Clothing Production.

Selection Advice
This course is for self-motivated students who have an interest in creative design and garment construction. Students will need to negotiate their production task, carefully document technical skills and engage in explorations of fashion designers in order to successfully complete this unit of study.
FOOD STUDIES

Overview
This subject has both a theory and a practical component. The subject examines the design process in relation to food preparation. The subject also investigates the testing of food as a material and its properties and uses in different circumstances.

In this subject, students will:
- Analyse the appropriateness of using particular foods for specific purposes and study emerging trends in food production; and
- Investigate; prepare design plans; make products using a range of tools, equipment and machines; and evaluate products.

Contents / Skills
In Food Studies, students will learn to:
- Use problem-solving techniques to investigate, design, produce, evaluate and modify in relation to practical products;
- Investigate and develop design briefs and refine skills in production and evaluation;
- Develop skills in the use of a range of tools, equipment and machines;
- Study the types and uses of materials and their manufacture into products;
- Develop skills in the use of a range of materials related to food production; and
- Study food additives, labelling and packaging, and food safety.

Links to Further Study
- VCE Food Studies.

Selection Advice
Students who enjoy designing and learning about food should consider this unit.

TECHNOLOGY

FOOD FOR THOUGHT – ADVANCED COOKING

Overview
This unit is an extension unit for students who have successfully completed Year 9 or Year 10 units. This unit has both theory and practical components which build essential VCE knowledge and skills. This unit is most suitable for students who have an interest in pursuing food studies. Students will further their knowledge of recipe design, food preparation and food presentation.

Contents / Skills
In Food for Thought - Advanced Cooking, students will learn:
- Advanced cooking skills;
- How to work to a design brief;
- Garnishing;
- Food styling;
- Food photography; and
- Cake decorating.

Links to Further Study
- VCE Food Studies.

Selection Advice
This course is for students who plan to undertake VCE studies in Food and Technology. The satisfactory completion of a Year 9 Food and Technology unit or Year 10 Food and Technology unit is a pre-requisite for selecting Food For Thought – Advanced Cooking.

Students on modified programs are encouraged to enrol in Food and Technology. Only available in semester 2.
TECHNOLOGY

WOODWORK

Overview
This will enable students to explore different uses of wood and the systems and equipment associated with this. You will:
• Analyse the appropriateness of using particular materials and systems for specific purposes;
• Prepare detailed design proposals and make products using a range of equipment; and
• Analyse product effectiveness with reference to specified criteria.

Contents / Skills
• This unit focuses on emerging materials in the wood area, testing to Australian Standards and factors affecting product design. The practical work will cover production of a product using at least two different materials and at least three complex processes.
• Students will need to pay for or provide some of the materials used in producing their finished product. Students must complete a design folio, an investigation, the production work and an evaluation.

Links to Further Study
• VCE Design and Technology – Wood.

Selection Advice
This unit of study should be considered by students who enjoy designing and working with their hands.
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