

**2018**

**GLADSTONE PARK**

**Year 10  
Course  
Handbook**



*Knowledge is Power*

## TABLE OF CONTENTS

Introduction .....	3
List of Units .....	5
Accelerating at Gladstone Park Secondary College .....	6
VCE & VETiS Subjects Available to Year 10 Students .....	7

## LEARNING AREAS

Arts .....	8
Commerce .....	10
Digital Media .....	11
English .....	12
Health and Physical Education .....	14
Humanities .....	16
Information Technology (Computing) .....	17
Languages Other Than English .....	18
Mathematics .....	19
Science .....	22
Technology .....	23
Visual Arts .....	24
Pathways .....	26

## INTRODUCTION

In line with the VCE timetable, all year 10 subjects run for five periods per week. This is designed to allow students the possibility of studying VCE subjects and/or VETiS programs which may be an advantage to capable and organised students.

Undertaking a VCE unit in Year 10 has significant advantages such as:

- The opportunity to develop academic and study skills in readiness for VCE
- The possibility of completing a 3-4 sequence in Year 11 and therefore having six study scores to contribute to their ATAR at the end of Year 12.

Student preference is a high priority in deciding which courses finally run. However, the following factors must also be taken into account:

- Staffing - both the total number of staff and the availability of staff with particular specialist qualifications
- Rooms - many programs require the use of specialist rooms, at least for some class time
- Government and Department of Education policies and initiatives.

## SUBJECT SELECTION

The more information that you gather over the next few weeks, the happier you will likely be with your final selection.

There are many sources of assistance:

- this handbook - read it carefully
- your parents - give them the handbook to read
- Careers Centre at Gladstone Park Secondary College
- Year 10 subject teachers.

While there are few strict pre-requisites for VCE Units at levels 1 or 2, students should choose Year 10 Units with their career aspirations and Year 11 and 12 courses in mind. Students must be realistic about their chances of success in their preferred subjects, courses and careers. When selecting their Year 10 subjects students should try to select subjects from a range of curriculum areas in order to keep as many career options open to them.

Consider your selections carefully. Do not choose subjects based on your friends' choices - their choices may not suit your abilities and needs, nor will you necessarily be in the same class.

All current Year 9 students **MUST** complete their course selection online, unless they are certain they will not be at GPSC the following year. If you believe this to be the case please contact the Middle School 9933 0500.

## CAREERS

The Middle School Career Development Co-ordinator, is available to answer parents' questions relating to career information. If parents would like to make an appointment, please contact the school.

The school cannot stress strongly enough the value of students making informed decisions about their futures.

## YEAR 10 CURRICULUM

**Students will study six subjects per semester; two core and four elective.**

### CORE SUBJECTS

English/English as an Additional Language (EAL)\*

\* When making your selections for the elective subjects please note that there are English electives available to select.

Mathematics\*:

- Further Mathematics
- Mathematical Methods
- VCE Foundation Mathematics (Unit 1 & 2)

\*The school will communicate the recommended core Mathematics pathways to parents and students in writing. When making your selections for the elective subjects please note that there are Mathematics electives available to select.

**Core Subjects are year-long subjects**

## SUBJECT CHARGES

### PARENTS AND STUDENTS PLEASE NOTE:

Due to the expense of materials for some **elective** subjects, there is a materials charge per student per subject. These are stated under each specific subject description. This may be used for materials like food, ink, glue, paper or fabrics.

This charge is to be paid to the General Office after confirmation of provisional enrolment in the subject. School Council has directed that only students who have paid the materials charge will be enrolled in these subjects. Enrolment confirmation will only occur after this payment is made.

Please note that the material charges printed in this handbook are correct at the time of printing however, may be subject to change.

## LIST OF UNITS

Details of these units appear later in this handbook.

LEARNING AREA	YEAR 10 ELECTIVES
Arts	Dance, Drama, Music
Commerce	Commerce, Politics and the Law
Digital Media	Media, Photography
English	Extra English, Literature 1 & 2
Health and Physical Education	Active Girls, Health & Human Development, Physical Education General, Physical Education Specialist
Humanities	Earth and the Environment, History
Information Technology (Computing)	Information Technology (Applications), Information Technology (Programming)
Languages other than English	Italian (semesters 1 & 2)
Mathematics	Mathematical Methods Preparation
Science	Chemical Patterns and Reactions, The Next Generation, World of Physics
Technology	Food Technology (Advanced) & Food for Life, Food for Work, Materials & Systems: Wood, Textiles
Visual Arts	3D Art, Architectural VCD, Art, Visual Communication Design
Other	Pathways VCE units (semesters 1 & 2) VETiS units (semesters 1 & 2 – internally delivered programs only)

## ACCELERATING AT GLADSTONE PARK SECONDARY COLLEGE

The opportunity exists for eligible students to study a VCE subject\* as an accelerated subject. This means that a Year 10 student could study a Unit 1 & 2 (Year 11) subject and a Year 11 student could study a Unit 3 & 4 (Year 12) subject.

Students that accelerate and choose to study a VCE subject will not necessarily have a lighter study load in year 12. The accelerated subject is to provide a 6<sup>th</sup> subject (one extra) to the normal 5 subject year 12 load and to provide students with the opportunity to experience VCE a year earlier in order to better prepare for their final year of school.

### **To be eligible for acceleration as a Year 10 student:**

The student must be achieving at a B average across all subjects on their Year 9 semester 1 report, including the subject(s) relevant to their intended accelerated subject.

### **To be eligible for acceleration as a Year 11 student:**

The student must be achieving at a B average across all subjects on their Year 10 semester 1 report, including the Unit 1 and 2 subject that will become their Unit 3 and 4 accelerated subject in year 12.

We encourage students who meet the criteria to take on this challenge. It is an opportunity to develop an understanding of the demands and the processes and procedures involved in a VCE subject and can also be a mechanism to maximise a student's ATAR.

It is important to consider what will happen if a B average cannot be maintained and the additional pressure on the overall study load.

**The relevant sub-school will have the responsibility for approving a student's accelerated studies in consultation with the relevant LA leader and subject teacher.**

\* Not all subjects are available for acceleration.

The VCE units available are listed in this handbook. **Make sure that you read and understand the VCE guidelines and policies detailed in VCE handbook before committing to accelerated study.**

## ATTENDANCE

The VCE Attendance Policy is outlined in the Gladstone Park Secondary College VCE Handbook.

Extended family holidays are not approved absences for the purposes of meeting the VCE attendance requirements.

**Year 10 students should not choose a VCE subject if an extended family holiday is planned.**

## VCE and VETiS SUBJECTS OFFERED TO YEAR 10 STUDENTS

Students who select a VCE or VETiS subject in Year 10, select this subject for the year.

LEARNING AREA	SUBJECTS
Arts	Drama Music Performance
Commerce	Accounting Business Management Economics Legal Studies
Digital Media	Media Studio Art (Photography)
English	Literature
Health and Physical Education	Health and Human Development Physical Education
Humanities	Geography Global Politics History
Information Technology (Computing)	Information Technology (Computing)
Science	Biology Psychology
Technology	Food Studies Product Design & Technology (Textiles) Product Design & Technology (Wood) Systems Engineering
Visual Arts	Studio Art (Art) Visual Communication Design
VETiS	Business Administration Creative and Digital Media Sport and Recreation

# ARTS

## DANCE

Dance is the language of movement. It is the realisation of the body's potential as an instrument of expression. Throughout history and in different cultures, people have explored the dancer's ability to communicate and give expression to social and personal experience. The study of dance provides the opportunity to explore the potential of movement as a medium of creative expression through practical and theoretical approaches. By the end of Level 10, students:

- choreograph dances by manipulating and combining the elements of dance, choreographic devices, and form and production elements to communicate their choreographic intent
- choreograph, rehearse and perform dances, demonstrating safe dance practice and technical and expressive skills appropriate to the style and genre
- analyse choreographers' use of the elements of dance, choreographic devices, and form and production elements to communicate choreographic intent in dances they make, perform and view
- evaluate the impact of dance from different cultures, times and locations



## DRAMA

Studies in Drama will equip students with knowledge, skills and confidence to communicate as individuals and collaboratively in social and work-related contexts. There isn't an occupation on the planet that doesn't benefit from a background in Drama. By the end of Level 10, students:

- develop and sustain different roles and characters to realise dramatic intentions and engage audiences
- perform devised and scripted drama in different forms, styles and performance spaces
- plan, direct, produce, rehearse and refine performances
- select and use the elements of drama, narrative and structure in directing and acting and apply stagecraft
- use performance and expressive skills to convey dramatic action and meaning
- analyse the elements of drama, forms and performance styles and evaluate meaning and aesthetic effect in drama they devise, interpret, perform and view
- use experiences of drama practices from different cultures, places and times to evaluate drama

# ARTS

## MUSIC

Music is an integral part of all cultures from the earliest of times, expressing and reflecting human experience. Music learning requires students' active engagement in the practices of listening, performing and composing. An education in Music encourages the ability to coordinate both creative and critical thinking skills to achieve set goals. By the end of Level 10, students:

- interpret, rehearse and perform solo and ensemble repertoire in a range of forms and styles
- demonstrate a developing personal voice and technical control, expression and stylistic understanding
- use general listening and specific aural skills to enhance their performances and use knowledge of the elements of music, style and notation to compose, document and share their music
- aurally and visually analyse works and performances of different styles
- evaluate the use of elements of music and defining characteristics from different musical styles
- use their understanding of music making in different cultures, times and places to inform and shape their interpretations, performances and compositions



# COMMERCE

## COMMERCE

### What the Course is About:

Are you Australia's next billionaire? This course aims to introduce students to some of the main areas of Commerce.

1. The Economic System – meeting needs and wants in the market place.
2. Introduction to Accounting – balancing the books.
3. Business Management – are you up to running a business?

Students will become familiar with concepts which will be explored further in:

- **VCE Accounting**
- **VCE Business Management**
- **VCE Economics**
- **VETiS Business Administration**

### Assessment:

- Class exercises
- Topic tests
- Unit examination

## POLITICS AND THE LAW

### What the Course is About:

Are you interested in how society works, understanding who has the power and finding out what impact you can make? If so, this introductory course is for you.

### Topics include:

- Politicians and Positions of Power
- Parliament and Political Parties
- Capitalism, Communism and everything in between
- Who makes laws?
- Criminal laws such as murder
- The Courts and Police
- Human Rights
- What type of society should we have?

### Assessment:

- Class exercises
- Topic tests
- Unit examination

# DIGITAL MEDIA

## MEDIA

### Course Description:

The course gives students an introduction to the media, including:

- Film studies (narrative and genre).
- Looking at the role of the mass media across the globe (video games, print, film, television, advertising, social media) and its impact on society.
- Producing two short film productions (horror trailer and music video).

### What You Will Learn:

Students will analyse film narratives and genres, including how they convey meaning to their audience. They will also plan, shoot and edit two short films, learning how to use video production equipment (DSLR cameras, LED lights, audio recorders/microphones) and video editing software (Premiere Pro, After Effects and/or Sony Vegas). Finally, students will study key areas of the Australian media industry, as well as how the mass media creates meaning in the world around us, by looking at a range of media forms (video games, films, television, social media, online/digital media, print and photography).

### Assessment:

Ranging from written to practical assessments, including:

- Study of two films (narrative and genre).
- Analysis of mass media impact(s) on society.
- Students produce two short film productions (horror trailer and music video).
- End of semester examination.

## PHOTOGRAPHY

### Course Description:

In this semester long elective students will be given the opportunity to explore the nature of digital photography, with the opportunity to expand their photographic knowledge and technical skills. Photography students are encouraged to be imaginative and creative in their work and are guided through demonstrations, projects and discussions. Students will use Digital SLR cameras combined with Photoshop in order to enhance their images.

### What You Will Learn:

The core focus of this semester is to learn the basics in camera operation and to achieve a variety of techniques shooting in full manual mode. Students will complete their photographic projects mainly on the school grounds during designated class time. They will also learn basic Adobe Photoshop skills in order to improve and enhance their images.

### Assessment:

Students will submit photography projects surrounding composition, art elements and art principles and a technical project focused on creating movement and deliberate blur. The theoretical aspect focuses on writing a visual analysis and researching an influential photographer. Students will finish Year 10 Photography with an end of semester examination.

### ***PARENTS AND STUDENTS PLEASE NOTE:***

***Materials charge***

***Photography \$30.00***

***Media \$10.00***



# ENGLISH

## ENGLISH (Compulsory)

### What the Course is About:

In these 2 units students will study:

1. Reading and Creating: study of texts producing analytical essays and creative pieces
2. Reading and Comparing: compare ideas, issues and themes presented in 2 texts
3. Analysing and Presenting Argument: understanding the way argument is created and preparing oral presentations about an issue

### What You Will Learn:

Students will continue to extend their written and verbal communication skills. Emphasis will be placed on the development of essay writing skills, oral presentations and examination techniques.

### Assessment:

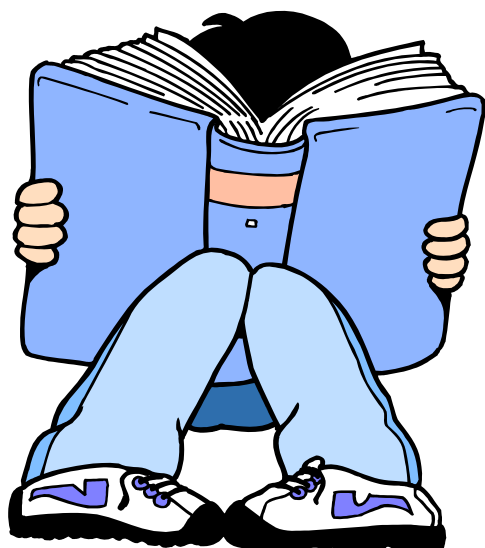
Assessment will be based on students' written work, oral presentations and an examination at the end of each unit.

## EXTRA ENGLISH

Extra English is suitable for students who want extra time and assistance to improve the skills required for success in VCE English. Extra English is a single semester subject.

Extra English will help students to:

- Increase their confidence in using Standard Australian English
- Strengthen language skills through thinking, reading, writing, speaking and listening
- Communicate ideas and information effectively using written and spoken language
- Speak and listen effectively in a range of settings for different purposes
- Read a variety of texts to construct a range of responses
- Read accurately to locate, understand, organise and synthesise information
- Develop a vocabulary to talk confidently about language and texts.



# ENGLISH LITERATURE

## LITERATURE 1 & 2

### What the Course is About:

Studying literature means focusing on the enjoyment and appreciation of reading that occurs through discussion, debate and the challenge of exploring the meaning of texts. The meaning of a text comes from the interaction between the text, when it was constructed and the experience of the reader.

### What You Will Learn:

Through the close study of a variety of texts including novels, short stories, plays, poems and non-print texts such as films you will learn to

- Enjoy literature
- Understand the variety of human experience
- Develop awareness of cultures past and present
- Develop interpretive skills
- Extend your understanding of the different ways texts are constructed
- Write confidently.



### Assessment:

You will be assessed via a range of written and oral tasks completed throughout the semester and an examination.

Literature is a single semester subject however, the semesters study different texts.

Students can study either both semesters or just one semester.

**Note: Students can choose to do 1 or both semesters of English Literature**

# HEALTH AND PHYSICAL EDUCATION

## ACTIVE GIRLS

### What the Course is About:

“Active Girls” aims to give girls the skills and knowledge to pursue active and healthy lives. It focuses on issues relating to exercise and nutrition in relation to good health and aims to enable students to make informed decisions about their own exercise and eating patterns.

### What the Course Covers:

- Physical, social and mental health benefits of regular participation in physical activity
- The increased health risks associated with poor nutrition
- Government initiatives to improve health including The Australian National Physical Activity Guidelines
- Current levels of physical activity in Australia
- Barriers to participation in physical activity
- Myths associated with fitness and training
- Body image
- Nutrition for good health/Healthy Living Pyramid/Dietary Guidelines for Australians
- Factors influencing food choices.

### Assessment:

The theoretical component of this subject will account for about 60% of lessons with practical lessons accounting for the other 40%. The focus of practical sessions will largely be based on ‘lifestyle’ activities rather than competitive sports.



## HEALTH & HUMAN DEVELOPMENT

### What the Course is About:

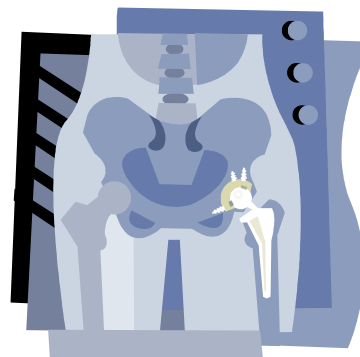
The primary focus of this elective is ‘Sexual and Reproductive Health and development’. Topics include: what is health?, types of contraceptives, STI’s, safe sex, puberty and hormones, decision making, pregnancy and fertility.

### What the Course Covers:

- Male and Female reproductive systems
- Reproductive health
- Menstrual Cycle
- Contraception
- STI’s – signs, symptoms and treatment
- The role and influence of family, peers, society and gender on values, attitudes, beliefs and behaviour related to sexual health and sexual activity.
- Sex and Decision making
- Stages of the lifespan
- Health
- Development
- Prenatal Development
- Puberty and Hormones

### Assessment:

This will be based on class work, topic tests, written work, participation in activities, assignments, computer tasks and a formal examination.



# HEALTH AND PHYSICAL EDUCATION

Students may select more than one unit.

## PHYSICAL EDUCATION GENERAL

### What the Course is About:

Year 10 Physical Education attempts to provide students with skills and knowledge to enable them to live active and healthy lives and to make informed decisions concerning their own health and fitness. A variety of physical activities will be undertaken to improve skill levels, with emphasis on enjoyment and fostering life-long participation in physical activity. The theoretical component of the subject accounts for 60% of lessons, with practical activities accounting for the other 40%.

### What the Course Covers:

- Evaluation of personal performance, including fitness testing
- Sporting injuries, their prevention and treatment
- First aid including Cardio Pulmonary Resuscitation (CPR)
- Body Systems

### Assessment:

Assessment will include tests, assignments, worksheets, and an end of semester examination and participation in practical units.



## PHYSICAL EDUCATION SPECIALIST

Students who intend to undertake VCE Physical Education are advised to complete this unit.

### What the Course is About:

The course aims to increase student knowledge and understanding of human anatomy, specifically the skeletal, muscular, respiratory and circulatory systems. Energy systems required for physical activity will be studied and students will gain an understanding of factors that affect skill development. Biomechanics, the sports science field that applies the laws of mechanics to human performance will also be studied. The theoretical component of this subject accounts for approximately 60% of lessons, with practical activities accounting for about 40%. Some practical sessions will involve students undertaking laboratory activities to help them apply knowledge gained in theory lessons.

### What the Course Covers:

- Human Anatomy
- Skill Acquisition
- Energy systems and physical activity
- Biomechanics

### Assessment:

Assessment will include tests, assignments, worksheets, and an end of semester examination.



# HUMANITIES

## EARTH AND THE ENVIRONMENT

### What the Course is about:

The course aims to increase knowledge and understanding of the environment around us and its related issues. Topics covered: *Human induced Climate Change and Sustainability, Coastal environments and the Geographies of Human wellbeing.*

1. Environmental Change and Management: A study of coastal environments.
2. Geographies of Human Wellbeing: A study of how wellbeing varies around the world and within countries. Students will study the impact of global development focussing on issues of rapid urbanisation in developing countries and conflicting land use. and population/demographics. Students will study population demographics the world's access to fresh water.

### Assessment:

- Unit examination
- Fieldwork report
- Research assignment
- Class activities and Coasts tests

## HISTORY

### Australia and the Modern World

### What the Course is About:

This course provides a study of the history of the modern world and Australia from 1918 to the present, with an emphasis on Australia in its global context. Key areas of learning include:

1. An overview of the causes and course of World War II.
2. The US civil rights movement and its influence on Australia.
3. Political Crisis – Australian and the Vietnam War

### Assessment:

Assessment will be based on:

- Unit examination
- Topic texts
- Class exercises
- Assignments

# INFORMATION TECHNOLOGY (COMPUTING)

## INFORMATION TECHNOLOGY (Applications)

### What the Course is About:

This unit involves using a number of applications to solve information problems that have real life application. They also examine the parts of the computer, the function and characteristics of each component and how hardware and software work together.

Students will learn to use applications effectively to create solutions to information technology problems and apply the problem solving methodology throughout the unit.

This elective would be highly advantageous to students wishing to study Information Technology (Computing) in VCE.

This unit of study would be highly desirable for students wishing to enter courses leading to qualifications in computer science, multimedia, network management and other information technology related fields.

### Assessment:

Assessment for this unit will include a range of methodologies: completion of theory exercises, practical learning tasks, projects, tests, a portfolio and an end of semester examination.

## INFORMATION TECHNOLOGY (Programming)

### What the Course is About:

This unit involves studying a programming (scripting) language which students use to write computer programs. Students study algorithms and logic.

Students will learn to develop and write programs ranging from simple programs to more complicated programs that may have 'game programming' application.

This elective would be highly advantageous to students wishing to study Information Technology (Computing) in VCE.

This unit of study would be highly desirable for students wishing to enter courses leading to qualifications in computer science, multimedia, network management and other information technology related fields.

### Assessment:

Assessment for this unit will include a range of methodologies: completion of theory exercises, practical learning tasks, projects, tests, a portfolio and an end of semester examination.



# LANGUAGES OTHER THAN ENGLISH

The school strongly encourages you to study Italian in Year 10 and beyond. This is not only because of the vibrant culture, history and lifestyle that this language represents but also because knowing another language may help to enhance your English, give you an advantage in job applications, encourage you to travel and exercise your brain with memory and problem solving skills. The added advantage of doing Italian in Year 12 is that the ATAR is generally scaled up.

## ITALIAN

### What the Course is About:

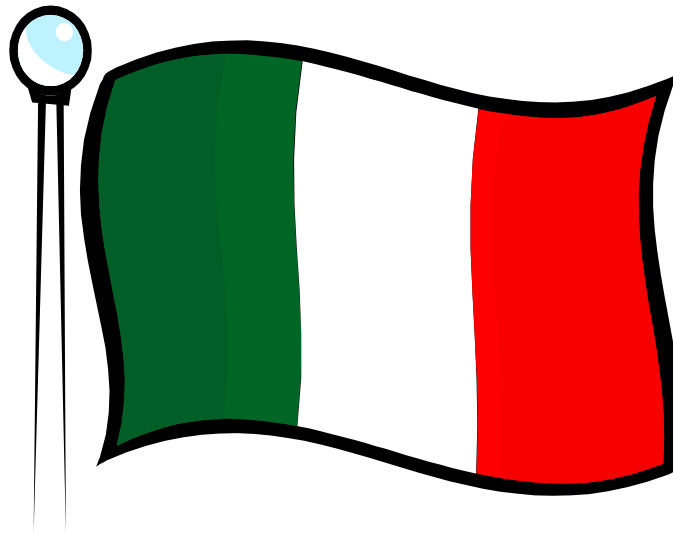
Content based learning will continue to be offered with a major focus on Italian speaking skills.

Topics may include:

*Study skills, developing creativity, classical studies and leisure*

### Assessment:

- Speaking and Listening Tasks
- Reading and Writing Tasks
- Cultural Awareness
- End of Semester exams.



# MATHEMATICS

**Mathematics at Year 10 is compulsory for all students. There will be four Mathematics subjects offered to Year 10 students. These four subjects will be:**

- Year 10 Mathematical Methods
- Year 10 Further Mathematics
- VCE Foundation Mathematics (Unit 1 & 2)
- 10 Mathematical Methods Preparation (10) – Elective

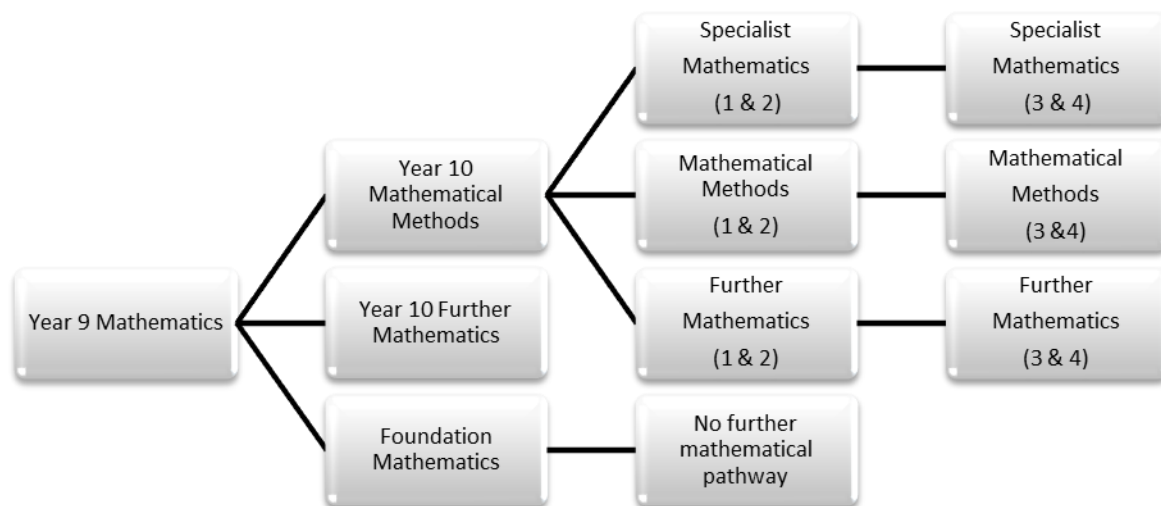
Mathematics Methods will allow students a pathway to continue the study of all Mathematics subjects in Year 11. Students who want to continue with a higher Maths at VCE are also recommended to take 10 Mathematical Methods Preparation.

Further Mathematics will allow students to continue with Further Mathematics at VCE.

VCE Foundation Mathematics does not provide a pathway for the ongoing study of Mathematics. However, credit for VCE Mathematics Units can be obtained in Year 10.

Year 9 Mathematics teachers, together with the Middle School, will determine your Mathematics pathway based on your test and exam results and work ethic.

The possible pathways are shown in the diagram below.



- Specialist Mathematics must be taken in conjunction with Mathematical Methods

# MATHEMATICS

## Year 10 FURTHER MATHEMATICS

The course fulfils the needs of students who intend to continue Further Mathematics at Year 11 and 12

It **DOES NOT** lead to Unit 1 & 2 Mathematical Methods or Specialist Mathematics in Year 11..

### What the Course is About:

There is a strong focus on calculation, interpretation and analysis by using technology

### What You Will Learn:

- Data Analysis and Statistics
- Geometry & Trigonometry
- Linear Relations & Graphs
- Financial Arithmetic
- CAS Calculator operation

## Year 10 MATHEMATICAL METHODS

Mathematical Methods (10) must be taken by those students who wish to proceed to Unit 1 & 2 Mathematical Methods and Specialist Mathematics in Year 11. This subject can also lead into Unit 1 & 2 Further Mathematics.

### What the course is about:

There is a strong focus on algebraic processes as well as the properties and relationships between numbers.

### What You Will Learn:

- Surds and Indices
- Algebra and Factorisation
- Probability
- Linear and Quadratic Equations
- Trigonometry and measurement
- CAS Calculator operation

## Year 10 MATHEMATICAL METHODS PREPARATION (ELECTIVE)

The purpose of this subject is to prepare students for the rigorous demands of Units 1 and 2 in both Mathematical Methods and Specialist Mathematics. This subject aims to reinforce and extend the Year 10 Mathematical Methods course and to expose students to a carefully selected subset of concepts from Year 11 Mathematical Methods.

This subject is highly recommended, but not compulsory, for students aiming to study Mathematical Methods and Specialist Mathematics in VCE.

### What You Will Learn:

#### Semester 1

- Functions & Relations
- Exponentials & Logs
- Rates of Change

#### Semester 2

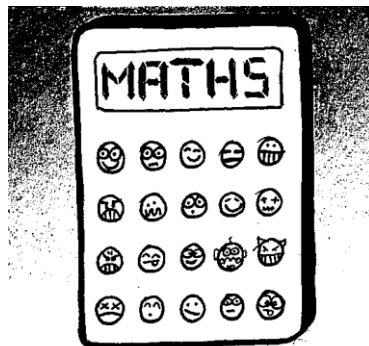
- Circular Functions
- Matrices
- Introductory to Probability

**Note: Students can choose to do 1 or both semesters of Mathematical Methods Preparation**

# MATHEMATICS

## VCE FOUNDATION MATHEMATICS

Foundation Mathematics provides for the continuing mathematical development of students entering VCE, who need mathematical skills to support other VCE subjects, including VET studies. Foundation Mathematics is ideal for those that are not intending to undertake Unit 3 or 4 studies in Mathematics.



### Unit 1 and 2

- Basic Number operations that involve fractions, decimals, percentages and money
- Measurement – metric system, perimeter, area and volume
- Two dimensional shapes and angles
- Statistics including graphs, mean, median and mode

### Assessment

- Tests after each topic
- SACs that encompass investigations and projects

### Key Skills

- Use technology effectively to solve equations
- Use formulas to calculate area, perimeter, surface area and volume
- Interpret information in maps and tables
- To collect and organise data into appropriate graphs

### Associated Career Paths

- Sales Assistant
- Auto Mechanic
- Secretary
- Trades Person

# SCIENCE

Students who wish to follow a Science pathway into VCE are strongly encouraged to complete the Chemical Patterns and Reactions Unit, the Genetic and Environments Unit and the Science of the Road Unit in Year 10.

## CHEMICAL PATTERNS AND REACTIONS:

### An Introduction to Chemistry

#### What You Will Learn:

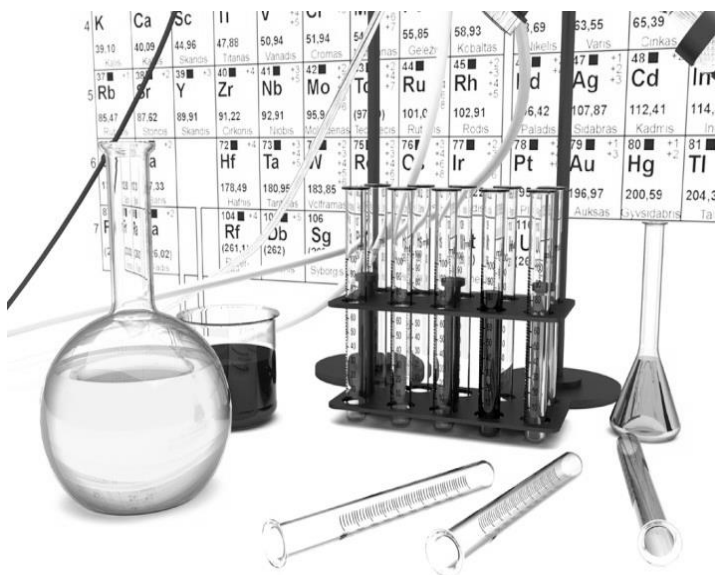
The elective will focus on

- Atomic structure and properties of the elements are used to organise elements in the periodic table
- The different types of chemical reactions and calculating the mole. This will include the products of reaction, rates of reactions and balancing chemical reactions

This elective is highly recommended for students who are interested in studying VCE Chemistry.

#### Assessment Tasks:

These will include topic tests, worksheets and activities, practical work, reports and a semester examination.



## THE NEXT GENERATION: An Introduction to Biology

#### What You Will Learn:

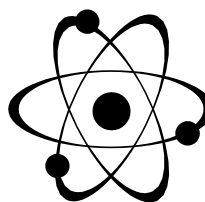
This unit focuses on two main areas

- Genetics and DNA Technology
- The effect of variation and selection on survival and the way this is passed from one generation to the next

This elective is highly recommended for students who are interested in studying VCE Biology.

#### Assessment Tasks:

These will be practical work and investigations, a research assignment, coursework and a semester examination.



## WORLD OF PHYSICS: An Introduction to Physics

#### What You Will Learn:

The World of Physics covers areas such as movement, forces, collisions, space science and energy transformations (including electrical).

This elective is highly recommended for students who are interested in studying VCE Physics.

#### Assessment Tasks:

These will include topic tests, worksheets and activities, practical work, reports and a semester examination.

# TECHNOLOGY

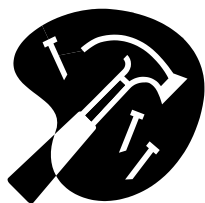
## MATERIALS & SYSTEMS: WOOD

### What the Course is About:

Students work safely with a range of tools, equipment, materials, components and processes to design and produce an electronic trinket box, electronic memo holder, amplifier and a pot plant holder/small table.

### Assessment:

- Theory
- Practical Work
- Assignments
- IT Skills (use of Google sketch up)
- Semester Examination



## TEXTILES

### What the Course is About:

Students will expand their skills and knowledge in design and production through the re-modelling or “up-cycling” of an existing garment. Students learn how to use a commercial pattern to create fashion. They will become aware of current, sustainable textile practices whilst creating quality work.

Year 10 Textiles will assist students who wish to take Textiles or Fashion - Product Design and Technology in Year 11 VCE Units 1 and 2.

### Assessment:

Assessment will be based on practical design and theoretical work. They will complement each other in terms of learning about a variety of machine construction and hand finished skills. Assignments and research investigations on various textile issues, using IT, will apply.

## FOOD TECHNOLOGY

### What the Course is About:

In Year 10 Food Technology students will further expand their skills developed in Year 9 while also gaining better understanding of the practical and theory elements involved in Food Technology. The two subject options offered at Year 10 provide a solid foundation for undertaking VCE Food Studies while also allowing for students to undertake the study of food technology for the entire year.

### Food Technology (Advanced)

This semester based subject will provide students with an introduction to VCE Food Studies. Students will investigate topics such as food origins including food around the world and food in Australia, the science of food, food choice and health and wellbeing. Practical sessions will provide students with the opportunity to extend their practical skills and develop their understanding of the theory covered in Year 10 Food Technology.

### Food for Life, Food for Work

Students consider the nutritional requirements for growth and activity at different stages of life, and learn to set nutritional goals. They learn how to analyse nutritional information provided in advertising and product labels, food budgeting and to make decisions about how this information can be used by, or influence, individuals in their food choices.

### ***PARENTS AND STUDENTS PLEASE NOTE:***

#### ***Materials charge***

***Materials & Systems \$25.00***

***Textiles \$35.00***

***Food Technology (Advanced): \$100***

***Food for Life, Food for Work: \$100***

# VISUAL ARTS

## 3D ART

### **This Subject involves:**

The focus of the practical component of 3D Art is on the exploration of ideas through drawing and translation of the most successful results into a range of sculptural media including ceramics, mixed media, plaster of Paris and wire. Design drawings, form and surface decoration will be explored and developed. In art appreciation students will develop confidence, vocabulary and knowledge to discuss a variety of art works.

### **Assessment:**

- **Visual Diary:** A record of the students' designs and planning for their 3D artworks and homework tasks aimed at enhancing research and practical skills
- **Folio Production:** A collection of 3D Art works reflecting the characteristics of art movements studied in class
- **Art Appreciation:** An investigation of Art Movements studied in class.
- **End of semester examination**

## ARCHITECTURAL VCD

### **This Subject involves:**

Students completing several pieces of visual communication that will employ the following drawing methods and associated skills and conventions:

- The completion of an architectural floor plan according to the industry standards.
- Develop designs that meet the needs and wants of an intended audience
- Present a 3D model design that is structurally sound and accurately reflects the initial floor plan

### **Assessment:**

- **Visual Diary:** Architectural floor plan design in adherence to a given brief and in accordance with industry standards
- **Folio Production:** 3D model making and design folio
- **Analysis of Design:** Responses and analysis work on architectural eras and designers.
- **End of semester examination**

### ***PARENTS AND STUDENTS PLEASE NOTE:***

***Materials charge***

***Architectural VCD: \$30.00***

# VISUAL ARTS

## ART

### **This Subject involves:**

A variety of two-dimensional experiences aimed at improving artistic skills and awareness.

It is designed to assist each individual to attain a level of competency in a range of art experiences.

Students are introduced to the History of Art and then apply this new appreciation and understanding to the development of their folio.

### **Assessment:**

- **Visual Diary:** A record of the students' designs and planning for their major artworks and homework tasks aimed at enhancing research and practical skills
- **Folio Production:** A collection of major works reflecting the characteristics of art movements studied in class
- **Art Appreciation:** An investigation of Art Movements studied in class.
- **End of semester examination**

## VISUAL COMMUNICATION DESIGN (VCD)

### **This Subject involves:**

Visual Communication Design encourages students to generate creative and innovative design solutions in response to a brief. Students will explore design techniques, which cover a multitude of disciplines. The course is designed to develop students' understanding of how ideas and information can be conveyed through visual means. This will be achieved through the detailed exploration of media, materials and design methods. In theory, students study design in a cultural and historical context.

### **Assessment:**

- **Visual Diary:** Creating design responses to set design briefs.
- **Folio Production:** Development of technical and creative graphic skills, focusing on the exploration of various media and equipment that will help generate an appropriate visual solution to fulfil a specified purpose, incorporating drawing and the use of computers.
- **Analysis of Design:** Written responses analysing the use of design elements, principles and other theory within various forms of visual communication.
- **End of semester examination**

# PATHWAYS

## PATHWAYS

### What the Course is About:

Pathways is designed for students who are interested in apprenticeships or traineeships, employment or full-time TAFE when they leave school. Students undertake Occupational Health and Safety Training, study the world of work and prepare for interviews with employers.

### What the Course Covers:

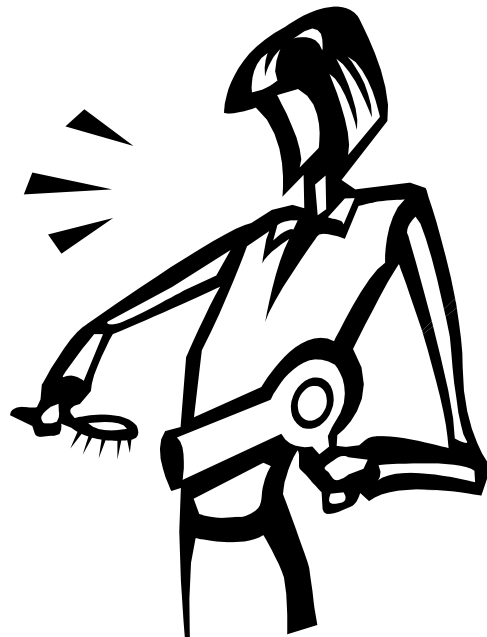
They learn how to:

- Develop a Career Plan
- Apply for Apprenticeships/Traineeships
- Apply for full-time TAFE courses
- Complete application forms
- Write a résumé and cover letter.

Students must undertake work experience 1 day per week for the semester during which they do Pathways. This is in addition to the 1 week block of work experience that all Year 10 students complete. This allows them to apply knowledge and skills they are learning in class to the real world of work and further develop their career plan.

### Assessment:

- Work Experience Placement (**Compulsory**)
- Employer Evaluation/s
- Work Book Activities
- Research Assignment



## YEAR 10 2018 SUBJECT CHOICES PLAN

School Future Intentions: VCE ☐ VCAL ☐  
 Intentions after Secondary School: University ☐ TAFE ☐ Work ☐

**Future Job Aspirations:** .....

**ELECTIVE SUBJECTS** – You study 4 elective subjects per semester but you need to choose 12 subjects in total. Number them in 1 -12 in order of preference.

Learning Area	Subjects	Preferences (1-12)
<b>ARTS</b>	Dance	
	Drama	
	Music	
<b>COMMERCE</b>	Commerce	
	Politics and the Law	
<b>DIGITAL MEDIA</b>	Media	
	Photography	
<b>ENGLISH</b>	English Literature 1	
	English Literature 2	
	Extra English	
<b>HEALTH &amp; PHYSICAL EDUCATION</b>	Active Girls (girls only)	
	Health & Human Development	
	Physical Education General	
	Physical Education Specialist	
<b>HUMANITIES</b>	Earth and the Environment	
	History	
<b>INFORMATION TECHNOLOGY (COMPUTING)</b>	Information Technology (Applications)	
	Information Technology (Programming)	
<b>LOTE</b>	Italian (Semester 1 & 2)	
<b>MATHEMATICS</b>	Mathematical Methods Preparation	
<b>SCIENCE</b>	Chemical Patterns and Reactions	
	The Next Generation	
	World of Physics	
<b>TECHNOLOGY</b>	Food Technology (Advanced)	
	Food for Life, Food for Work	
	Materials & Systems: Wood	
	Textiles	
<b>VISUAL ARTS</b>	3D Art	
	Architectural VCD	
	Art	
	Visual Communication Design	
<b>OTHER</b>	Pathways	

## UNIT 1 & 2 VCE SUBJECTS

These units are offered to Year 10 students who have demonstrated a commitment and ability to meet the demands of a Unit 1 & 2 subject with a B average and Sub School approval. Students **MUST** read the VCE course handbook before selecting a VCE subject.

Area of Study	Subject	Preference (1-3)
ARTS	Drama Unit 1 & 2	
	Music Performance Unit 1 & 2	
COMMERCE	Accounting Unit 1 & 2	
	Business Management Unit 1 & 2	
	Economics Unit 1 & 2	
	Legal Studies Unit 1 & 2	
DIGITAL MEDIA	Media Unit 1 & 2	
	Studio Art (Photography) Unit 1 & 2	
ENGLISH	English Literature Unit 1 & 2	
HEALTH AND PHYSICAL EDUCATION	Health and Human Development Unit 1 & 2	
	Physical Education Unit 1 & 2	
HUMANITIES	Geography Unit 1 & 2	
	Global Politics Unit 1 & 2	
	History Unit 1 & 2	
INFORMATION TECHNOLOGY	Information Technology (Computing) Unit 1 & 2	
SCIENCE	Biology Unit 1 & 2	
	Psychology Unit 1 & 2	
TECHNOLOGY	Food Studies Unit 1 & 2	
	Product Design & Technology (Textiles) Unit 1 & 2	
	Product Design and Technology (Wood) Unit 1 & 2	
	Systems Engineering Unit 1 & 2	
VISUAL ARTS	Studio Art (Art) Unit 1 & 2	
	Visual Communication Design Unit 1 & 2	
VETiS	VETiS Business Administration Unit 1 & 2	
	VETiS Creative and Digital Media Unit 1 & 2	
	VETiS Sport and Recreation Unit 1 & 2	

### QUESTIONS TO ASK ABOUT MY SUBJECT CHOICES?

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