

**ST CLARE'S CATHOLIC  
HIGH SCHOOL  
Hassall Grove**

**YEAR 11, 2019  
SUBJECT SELECTION**



**HANDBOOK**



# St Clare's Catholic High School

*A Catholic school of excellence*

Dear Students and Parents,

The Year 11 Subject Information Handbook for 2019 has been prepared for students currently in Year 10 who are choosing to continue their education at St Clare's Catholic High School in Year 11.

The information provided in this booklet is a comprehensive summary of all the courses offered at St Clare's Catholic High School in Year 11 in 2019 providing learning pathways for students as they work towards the attainment of a Higher School Certificate.

The subject information provided here gives details for all Preliminary and HSC courses offered in 2019 and 2020. In the light of the goals for a Catholic school emphasizing personal and spiritual growth, students are encouraged to choose a combination of subjects that are relevant to their own needs and linked closely to their specific interests and talents. Ultimately the package of courses chosen should enable each student to realise their potential in spiritual, social, academic and physical dimensions over the course of the next few years.

I wish students well in the course of their studies over the next two years. I remind you that an important part of the challenge of senior school is accepting the responsibilities that come with being a senior student in a Catholic High School. St Clare's has high expectations of each student who enrolls in Years 11 and 12 as senior leaders in the school and I trust that each of you will meet your responsibilities in a way that ensures our school is a vibrant and values based community.

Yours sincerely

Mr Shane Morris  
Principal

## Introduction

Year 10 students who are choosing to continue their education at St Clare's in Year 11 have reached this exciting yet, at times, challenging, 'crossroads' in their secondary education. They are required to plan and make decisions about their pattern of study for the completion of their Preliminary Certificate in 2019 and Higher School Certificate in 2020. Students are advised to think very carefully about the combination of subjects they choose because these will determine which subjects they can study for the Higher School Certificate.

The criteria upon which your decisions need to be made includes the following:

- Your career/vocational aspirations
- Whether you are wishing to apply to go to University, which requires you to choose subjects that make you eligible for an Australian Tertiary Admission Rank (ATAR)
- University prerequisites
- The requirements for study at TAFE
- Those subjects that you enjoy studying now
- Those subjects in which you feel you are most capable
- NESAs requirements.

It is important that all Year 10 students, who are planning to study subjects in the senior years, realise the high level of commitment that will be required of them. Students must be aware of and adhere to the NESAs requirements for both the Preliminary Year and Higher School Certificate components of their Record of School Achievement (RoSA). Certain courses and patterns of study, as outlined in this Handbook, must be followed to secure the Higher School Certificate component.

All Courses are divided into Preliminary and Higher School Certificate components. Generally, the Preliminary Course will be completed in Terms 1, 2 and 3 of Year 11, and the HSC Course will commence in Term 4 of Year 11. Year 10 students are advised that for examination purposes, the Preliminary Course is to be regarded by NESAs as 'assumed knowledge'. This means that Preliminary Year course work in a subject must be completed if a student is to progress to the HSC Course for that particular subject.

NESAs Stage 6 syllabi describe the Preliminary and HSC courses to be taught within each subject. Each student's examination performances are measured against a set of pre-specified course achievement standards. In the Preliminary Course those standards are known as the common grade scale. In each HSC course, these achievement standards take the form of a hierarchy of six described levels referred to as 'bands'. Band 1 represents a level of achievement below the minimum standard expected in the course. Bands 2, 3, 4, 5 and 6 represent increasing levels of course achievement and are described in terms of the kinds of knowledge, skills and understandings typically displayed by students achieving at those levels.

The Higher School Certificate is an internationally recognised credential that provides a strong foundation for the future, whether you wish to pursue tertiary qualifications, vocational training or employment in the future.

Year 10 students are advised to take this process of subject selections for Year 11 very seriously, by taking the necessary time and care in making these decisions which will significantly impact upon your futures, **because changing options in the future may not be possible.**

## Definitions used in this booklet...

**Preliminary Course:** is completed in Year 11. The same subjects are then taken in Year 12 for the HSC course of study.

The Pattern of Study required to gain a **Higher School Certificate** must include 10 units of study with at least 6 units of Board Developed Courses.

**Board Developed Course (BDC):** is written by NESA and examined at the Higher School Certificate Examination. 2 unit BDCs must be studied for the Preliminary and HSC courses. These subjects are used in the ATAR calculation.

**Category B subjects:** are less academically demanding than other Board Developed Courses. Students can choose as many Category B subjects as they wish. Only one category B subject will be included in their ATAR calculation.

**Content Endorsed Course (CEC):** is written by NESA for study in the Preliminary and/or HSC course. These courses are not examined at the Higher School Certificate Examination e.g. Work Studies or Catholic Studies, cannot contribute to the ATAR.

**Vocational Education & Training Courses (VET):** - are developed by NESA in consultation with Industry groups. Vocational Education courses may (at 2 unit level) contribute to an ATAR, as well as offering students the chance to achieve AQF Certificate I or II. However, only one VET course can be included in the ATAR.

**AQF** – Australian Qualifications Framework – a nationally accredited scheme of qualification standards e.g. Hospitality, Retail and Business Services.

**Units of Study:** refer to the amount of time spent studying a subject. Most BDC's are 2 units. This means that students taking a 2 unit course will spend an average of 4 hours class time each week studying the course and be required to spend at least 3 hours outside of class on assignments and private study.

**Eligibility for an ATAR:** – You must complete satisfactorily at least 10 units (including at least 2 units of English) of ATAR courses including at least 8 units of Category A courses. Courses completed must include at least three Board Developed Courses of two units or greater and at least four subjects.

## Understanding the Higher School Certificate

### What Types of Courses are offered?

**Note:** At St Clare's Catholic High School, the study of a Religious Education course is compulsory.

### **Board Developed Courses (BDC)**

These courses are developed by NESA. There is a syllabus for each course, which contains:

- The course objectives, structure, content and outcomes
- Specific course requirements
- Assessment requirements
- Sample examination papers and marking guidelines
- The performance scale.

All students entered for the HSC, who are studying these courses, follow these syllabuses. These courses are examined externally at the end of the HSC course and can count towards the calculation of the Australian Tertiary Admission Rank (ATAR).

### **Content Endorsed Courses (CEC)**

Content Endorsed Courses (CEC) have syllabuses endorsed by NESA to cater for areas of special interest not covered in the Board Developed Courses.

There is no external examination for any Content Endorsed Courses, but all Endorsed Courses count towards the minimum number of units for Higher School Certificate and appear on the Record of Achievement.

Board Endorsed Courses **do not count** towards the calculation of the Australian Tertiary Admission Rank (ATAR).

### What are Units?

All courses offered for the Higher School Certificate have a unit value.

2 Unit	This is the basic structure for all courses. The course is studied for approximately 120 hours per year and marked out of 100 for the HSC. Two unit BDC courses offer suitable preparation for the study of that subject at tertiary level.
1 Unit	A 1 unit course is equivalent to approximately 60 hours of study per year and marked out of 50.
Extension	Extension courses are available in a number of subjects. Extension courses offer suitable preparation for the study of that subject at tertiary level and build on the content of the 2 unit course. Extension courses can be 1 or 2 units.

## What are the requirements for the Higher School Certificate?

1. satisfactorily complete Years 9 and 10 or gain other qualifications that satisfy NESAs
2. satisfactorily complete courses in the patterns of study
3. sit for and make a serious attempt at the required HSC exams
4. Have satisfactorily completed courses that meet the pattern of study required by NESAs for the award of the Higher School Certificate. This includes the completion of the practical, oral or project works required for specific courses and the assessment
5. Students must also complete the Unit - **HSC: All My Own Work**

HSC: All My Own Work is a program designed to help HSC students follow the principles and practices of good scholarship. This includes understanding, valuing and using ethical practices when locating and using information as part of their HSC studies

Students who have completed the program will also know about penalties for cheating and how to avoid malpractice when preparing their work for assessment.

To be eligible for the HSC, students must complete HSC: All My Own Work (or its equivalent) before they submit any work for Preliminary (Year 11) or HSC (Year 12) courses, unless they are only entered for Year 11 and Year 12 Life Skills courses.

The program is flexible to deliver and St Clare's will organise when students will study and complete it.

There are five modules.

- Scholarship Principles and Practices
- Acknowledging Sources
- Plagiarism
- Copyright
- Working with Others

All students need to complete the NESAs, *HSC: All My Own Work* program prior to term 1 of Year 11. Students who enrol in the School at the start of the Preliminary or HSC Course and have not completed the program are required to complete it by the date prescribed on the NESAs events calendar (Usually towards the end of February).

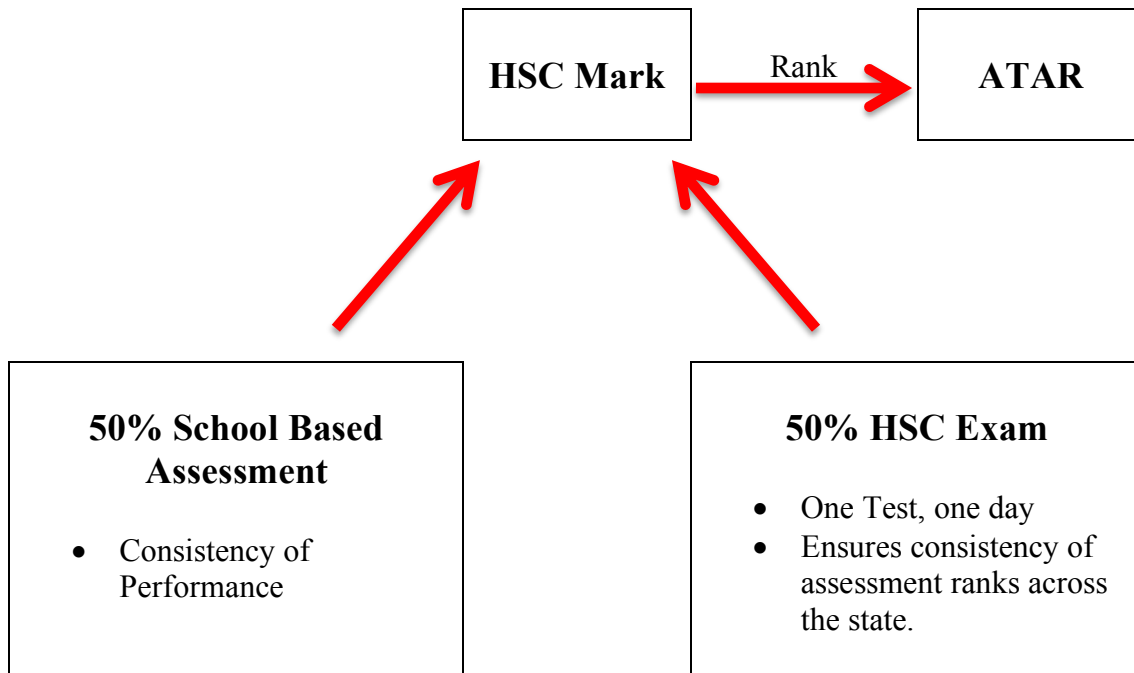
Students enrolling beyond this date who have not completed the program will be required to do so within four weeks of enrolling.

## School Assessment

Assessment is a major part of any senior course and is designed to assist the student's understanding of the subject. If taken seriously, it will help develop confidence, knowledge and skills.

Students are required to successfully complete all tasks given in either the Preliminary or the HSC course.

Assessment Results for the HSC course counts for 50% of the total mark used to determine the Australian Tertiary Admission Rank (ATAR).



## Changes to Stage 6 Assessment – new mandatory Requirements

Year 11	Year 12
<ul style="list-style-type: none"> <li>▪ three tasks including minimum and maximum task weightings</li> <li>▪ course components and weightings – Maximum 30% for examinations</li> <li>▪ the number of optional formal written examinations</li> <li>▪ any mandatory task types.</li> </ul>	<ul style="list-style-type: none"> <li>▪ a maximum of four tasks including minimum and maximum task weightings - Maximum 30% for examinations</li> <li>▪ course components and weightings</li> <li>▪ the weighting and limit on the number of optional formal written examinations</li> <li>▪ any mandatory task types.</li> </ul>

## Understanding the Higher Australian Tertiary Admission Rank (ATAR)

### The ATAR – What is it?

The ATAR provides a measure of your overall academic achievement in the NSW HSC in relation to that of other students, and it helps universities rank applicants for selection. It is calculated on behalf of the universities and released by the University Admission Centre (UAC). The ATAR is a rank, not a mark.

The ATAR is a number between 0 and 99.95 with increments of 0.05.

Your ATAR indicates your position relative to the students who started high school with you. An ATAR of 80.00 indicates that you have performed well enough in the HSC to place you 20% from the top of your Year 12 group, had all students in this group completed Year 12 and been eligible for the ATAR.

It is important to note that your ranking depends solely on your performance in HSC assessments and examinations.

### Are you eligible for an ATAR?

To be eligible for an ATAR you must satisfactorily complete at least 10 units of Board Developed courses for which there are examinations including at least:

- 8 units from category A courses
- 2 units of English
- three Board Developed courses of 2 units or greater
- four subjects.

### How is your ATAR calculated?

Your ATAR is based on an aggregate of scaled marks in 10 units of ATAR courses comprising:

- your best 2 units of English and
- your best 8 units from the remaining units, including up to 2 units of category B courses.

**Note:** You must satisfactorily complete one of the English courses on offer.

**Note:** If you do not wish to receive an ATAR but want an HSC, you need to study at least 6 units from the list of Board Developed Courses

### **NOTE:**

*The ATAR is only one pathway to transition to university.  
It does not mean you cannot progress to university.*



## **Matriculation Requirements**

Matriculation is the minimum educational qualification necessary for entry to a course of study at a University. Matriculation does not ensure admission to a course.

### **Australian Tertiary Admission Rank (ATAR)**

Admission to most Universities is based on performance in the H.S.C. When you receive your H.S.C. results from NESA you will also receive a separate notice, the Australian Tertiary Admission Rank (ATAR) advice, issued by the Universities Admission Centre (UAC).

The booklet, **University Entry Requirements 2021 for Year 10**, will contain important information about entry to university courses, course prerequisites and other information to assist your choice of HSC courses for study in Years 11 and 12 in preparation for university entry.

If you do not wish to receive an ATAR, the rest of your courses may be made up from Board Endorsed Courses once you have studied six units from Board Developed Courses.

The Australian Tertiary Admission Rank (ATAR) may include units accumulated by a candidate over a total time span of five years. If a candidate repeats a unit, the most recent results will be available for inclusion in the Australian Tertiary Admission Rank (ATAR).

The UAC website has detailed up-to-date information on the ATAR and procedures for university entry. Internet: [www.uac.edu.au](http://www.uac.edu.au)



#### UNIVERSITY ENTRY REQUIREMENTS 2021 FOR YEAR 10 STUDENTS

This booklet is designed to help students in Year 10 in 2018 decide which HSC courses to take in Years 11 and 12. It lists courses UAC's participating institutions will offer in 2021 with details of prerequisites, assumed knowledge, recommended studies and additional selection criteria.

↓ pdf 3601.32 KB

At-School Undergraduate

<https://www.uac.edu.au/media-centre/publications>

## Subject Offerings

<b>Religion</b>	Religion Catholic Studies ★	11
	Studies of Religion 1	12
	Studies of Religion 2	13
<b>English</b>	Standard English	14
	Advanced English	15
	Extension 1 English	16
	English Studies	17
<b>Mathematics</b>	Mathematics Standard	18
	Mathematics Advanced	19
	Mathematics Extension 1	20
<b>Board Developed Courses Offerings</b>	Biology	21
	Business Studies	22
	Chemistry	23
	Community and Family Studies	24
	Dance	25
	Design and Technology	26
	Drama	27
	Earth and Environmental Science	28
	Economics	29
	Food Technology	30
	History – Ancient	31
	History – Modern	32
	Industrial Technology – Multimedia	33
	Information Processes and Technology	34
	Industrial Technology – Timber Products and Furniture Technologies	35
	Investigating Science	36
	Legal Studies	37
	Music 1	38
	Personal Development, Health and Physical Education	39
	Physics	40
Society and Culture	41	
Software Design and Development	42	
Textiles and Design	43	
Visual Art	44	
<b>Content Endorsed Course Offerings</b>	Exploring Early Childhood ★	46
	Photography, Video and Digital Imaging ★	47
	Sport, Lifestyle and Recreation Studies ★	48
	Work Studies ★	49

★Not Calculated for ATAR

Vocational Education and Training Courses – please refer to separate booklet



## POSSIBLE CAREER PATHWAYS

Theologian

Social/ Welfare Worker

Secondary School Teacher

Primary School Teacher

Human Resource Manager

Missionary Worker

Foreign Aid Worker

Counsellor

Museum/Library Technician

# RELIGION, CATHOLIC STUDIES

(Content Endorsed Course)

1 Unit

### What prerequisites are there for entry into this course?

- Nil.

### What will I learn about?

The aim of Catholic Studies is to assist students in their faith development, to challenge them intellectually and lead them to an understanding of the traditions of the Catholic faith. Students will study the Catholic Church in the modern world, the meaning of life, experiences of prayer and conscience and decision-making.

This 1 Unit course is a continuation of the Religious Education course studied in Years 7 to 10. Topics Covered (likely to be):

- World religions
- Being Catholic
- Mary and women in the Scriptures
- Justice and compassion
- Christology
- Sacraments at the service of Communion
- Living with good and evil
- Moral issues.

### What restrictions are there on the entry to this course?

- ATAR students may choose this course instead of Studies of Religion I or II as long as they meet ATAR requirements.

### Is there any other important information I should know?

- All students in Years 11 and 12 must study at least one unit in a Religious Education course
- Studied over Years 11 and 12
- There is no HSC examination; however exams are a part of the assessment schedule.

Units	ATAR
1	B - No



## POSSIBLE CAREER PATHWAYS

Theologian

Social/ Welfare Worker

Secondary School  
Teacher

Primary School Teacher

Human Resource  
Manager

Missionary Worker

Foreign Aid Worker

Counsellor

Museum/Library  
Technician

# STUDIES OF RELIGION 1

(Board Developed Course)

1 Unit

### What prerequisites are there for entry into this course?

Nil.

### What will I learn about?

Studies of Religion I promotes an awareness, understanding and application of the nature of religion and the influence of religious traditions, beliefs and practices on individuals and society, with an emphasis on the Australian context.

### *Year 11 (Preliminary HSC Course)*

The Nature of Religion and Beliefs including Australian Aboriginal Beliefs and Spiritualities, Christianity and Buddhism or Islam.

### *Year 12 (HSC Course)*

Religion and Belief Systems in Australia post-1945, Christianity and Buddhism or Islam.

### What restrictions are there on the entry to this course?

- You should only do this course if you are planning to receive an ATAR
- You will need the signature of your RE teacher or the Religious Education Coordinator on the Subject Selection Form.

### Is there any other important information I should know?

- All students in Years 11 and 12 must study at least one unit in a Religious Education course
- It is recommended for average and above average students who are looking at university as a possible option
- Students can change to the non-ATAR course at the end of the Preliminary course.

Units	ATAR
1	A - YES



## POSSIBLE CAREER PATHWAYS

Theologian

Social/ Welfare Worker

Secondary School Teacher

Primary School Teacher

Human Resource Manager

Missionary Worker

Foreign Aid Worker

Counsellor

Museum/Library Technician

# STUDIES OF RELIGION 2

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

- Nil.

### What will I learn about?

Studies of Religion promotes an understanding of the nature and significance of religion and the influence of beliefs systems and religious traditions on individuals and within society.

#### *Year 11 (Preliminary HSC Course)*

The Nature of Religion and Beliefs including Australian Aboriginal Beliefs and Spiritualities, Christianity, Islam, Buddhism, Religions of Ancient Origin, Religion in Australia pre-1945.

#### *Year 12 (HSC Course)*

Religion and Belief Systems in Australia post-1945, Christianity, Islam, Buddhism, Religion and Peace, Religion and Non-Religion.

### What restrictions are there on the entry to this course?

- Acceptance into Studies of Religion II will be based on academic performance in Years 9-10 English and Religious Education
- The Religious Education Coordinator's signature must be given on the Subject Selection form, showing approval to apply for this course.

### Is there any other important information I should know?

- All students in Years 11 and 12 must study at least one unit in a Religious Education course
- Students can change to 1 unit Studies of Religion or non-ATAR course at the end of the Preliminary course.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Teacher

Manager

Nurse

Paramedic

Office Manager

Salesperson

Hospitality Staff

Tradesman

Police Officer

Defence Forces

IT Careers

Human Resources

Accountant

# STANDARD ENGLISH

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

- Nil. However, the course is constructed on the assumption that students have achieved the outcomes in English during Yrs 7 to 10.

### What will I learn about?

English Standard is designed for all students to increase their expertise in English and consolidate their English literacy skills in order to enhance their personal, social, educational and vocational lives. The students learn to respond to and compose a wide variety of texts in a range of situations in order to be effective, creative and confident communicators.

#### *Year 11 (Preliminary HSC Course)*

Common Module - Reading to Write: Transition to Senior English  
 Module A – Contemporary Possibilities  
 Module B – Close Study of Literature

#### *Year 12 (HSC Course)*

Common Module – Texts and Human Experiences  
 Module A – Language, Identity and Culture  
 Module B – Close Study of Literature  
 Module C – The Craft of Writing.

### What restrictions are there on the entry to this course?

- Nil.

### Is there any other important information I should know?

- Studied over Years 11 and 12
- This course provides an appropriate language background for students who do not wish to pursue the formal study of English at tertiary level, whilst still giving a strong foundation for university study in other areas
- English is compulsory in Years 11 and 12 and 2 units must be included in the calculation of the ATAR.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Teacher

Manager

Nurse

Paramedic

Office Manager

Salesperson

Hospitality Staff

Tradesman

Police Officer

Defence Forces

IT Careers

Human Resources

Accountant

# ADVANCED ENGLISH

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

- Nil, but students must show high levels of mastery of English in Years 9 to 10.

### What will I learn about?

In Advanced English, students will read a variety of texts to develop understanding of how events, experiences, ideas and values are represented in literature.

#### *Year 11 (Preliminary HSC Course)*

Common Module - Reading to Write: Transition to Senior English

Module A – Narratives that Shape Our World

Module B – Critical Study of Literature

#### *Year 12 (HSC Course)*

Common Module – Texts and Human Experiences

Module A – Textual Coverstations

Module B – Critical Study of Literature

Module C – The Craft of Writing.

### What restrictions are there on the entry to this course?

- Acceptance into Advanced English will be based on academic
- performance in Years 9-10
- The Leader of Learning English must sign the Subject Selection form, thus giving approval to apply for this course.

### Is there any other important information I should know?

- Studied over Years 11 and 12.
- Advanced English will appeal to students who enjoy reading, writing and literary discussions, as well as Shakespearean drama
- English is compulsory in Years 11 and 12 and 2 units must be included in the calculation of the ATAR.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Lawyer

Psychologist

Teacher

Journalist

Advertising executive

Speech Specialist

Business Manager

Researcher

Counsellor

Editor

# EXTENSION 1 ENGLISH

(Board Developed Course)

1 Unit

### What prerequisites are there for entry into this course?

- Students who enrol in Extension 1 English must also study English (Advanced)
- Preliminary Extension 1 is a prerequisite for HSC Extension 1

### What will I learn about?

#### *Year 11 (Preliminary HSC Course)*

- Module: Texts, Culture and Value.
- Related Research Project

#### *Year 12 (HSC Course)*

Common Module – Literary Worlds

One Elective option (to be determined).

### What restrictions are there on the entry to this course?

- Acceptance into Extension 1 English will be based on academic performance in Years 9-10
- The Leader of Learning English must sign the Subject Selection form, giving approval to apply for this course.

### Is there any other important information I should know?

- Studied over Years 11 and 12
- Extension 1 English will appeal to students who are ranked in the very top group of Year 10 English students
- Extension 1 English is a prerequisite for application for Extension 2
- English is compulsory in Years 11 and 12 and 2 units must be included in the calculation of the ATAR.

Units	ATAR
1	A - YES





## POSSIBLE CAREER PATHWAYS

Actor

Copywriter

Desktop Publisher

Film Editor

Law Clerk

Library Assistant

Tour Guide

Writer

# ENGLISH STUDIES

(Board Endorsed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil.

### What will I learn about?

English Studies is designed to support students in developing proficiency in English to enhance their personal, social and vocational lives. The language modes specified by the syllabus include reading, writing, speaking, listening, viewing and representing and thus flow smoothly from the Stage 5 syllabus.

Confidence in communication is the main objective. Other objectives include the development of critical thinking skills.

Year 11 Mandatory Module - Achieving through English

Year 12 Mandatory Module - Texts and Human Experiences

In each year, 2-4 Modules are selected from the following options:

A: We are Australians - English citizenship, community and cultural identity

B: Telling us all about it - English and the media

C: On the Road - English and the experience of travel

D: Digital Worlds - English and the Web

E: Playing the Game - English in sport

F: MiTunes and text - English and the language of song

G: Local Heroes - English and community life

H: Part of a Family - English and family life

I: Discovery and Investigation - English and the sciences

J: In the Marketplace - English and the world of business

K: The Big Screen - English in filmmaking

L: Who to I think I am? - English and the self

M: Landscapes of the Mind - English and the creative arts

N: The Way We Were - English for exploring our past

### What restrictions are there on the entry to this course?

Nil

### Is there any other important information I should know?

This course is delivered in Year 11 and Year 12 as a two unit ATAR subject.

Units	ATAR
2	B - YES



## POSSIBLE CAREER PATHWAYS

Teacher

Plumber

Mechanic

Carpenter

Nurse

Paramedic

Electrician

Accountant

# MATHEMATICS STANDARD

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

The course is constructed on the assumption that students have achieved the outcomes of the Pathway 5.2 course in Mathematics or have shown an extensive knowledge of the outcomes of the Pathway 5.1 course as well as *some* Pathway 5.2 outcomes.

### What will I learn about?

#### *Year 11 (Preliminary HSC Course)*

Algebra, Measurement, Financial Mathematics and Statistical Analysis.

#### *Year 12 (HSC Standard 2 Course)*

Algebra, Measurement, Financial Mathematics, Statistical Analysis and Networks.

#### *Year 12 (HSC Standard 1 Course)*

Algebra, Measurement, Financial Mathematics, Statistical Analysis and Networks.

### What restrictions are there on the entry to this course?

- Nil.

### Is there any other important information I should know?

- Studied over Years 11 and 12
- This course provides an appropriate mathematical background for students who do not wish to pursue the formal study of Mathematics at tertiary level, while giving a strong foundation for university study in the areas of business, humanities, nursing and paramedical sciences
- Mathematics is optional in Years 11 and 12
- Preliminary course content may be tested in HSC examination
- Mathematics Standard 1 is a Board Developed course with an optional HSC examination (for those who do not want to receive an ATAR).

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Accountancy

Aviation

Computer Science

Architecture

Mathematics or Science  
Teaching

# MATHEMATICS ADVANCED

2 Unit (Board Developed Course)  
(From 2019)

### What prerequisites are there for entry into this course?

- The course is constructed on the assumption that students have achieved the outcomes in Pathway 5.3 course in Mathematics in Stage 5 or have demonstrated extensive knowledge of the outcomes in Pathway 5.2 plus additional outcomes from Pathway 5.3 of the Mathematics Syllabus. This school recommends that only students who have achieved the outcomes of the Pathway 5.3 course attempt this level.

### What will I learn about?

#### *Year 11 (Preliminary HSC Course)*

Functions, Trigonometric Functions, Calculus, Exponential and Logarithmic Functions, Statistical Analysis.

#### *Year 12 (HSC Course)*

Functions, Trigonometric Functions, Differential Calculus, Applications of Differentiation, Integral Calculus, Modelling Financial Situations, Descriptive Statistics and Bivariate Data Analysis, and Random Samples.

### What restrictions are there on the entry to this course?

- Acceptance into Mathematics will be based on academic performance in Years 9-10
- The Leader of Learning Mathematics must sign the Selection form, showing approval to apply for this course

### Is there any other important information I should know?

- Studied over Years 11 and 12
- Mathematics is optional in Years 11 and 12
- Preliminary course content may be tested in HSC examination

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Engineering

Actuarial Studies

Computer Science

Physiotherapy

# MATHEMATICS EXTENSION 1

1 Unit (Board Developed Course)  
(From 2019)

### What prerequisites are there for entry into this course?

The course is constructed on the assumption that students have demonstrated and achieved extensive knowledge of the outcomes in Pathway 5.3 course in Mathematics in Stage 5. This school recommends that only students who have achieved a grade A10 – B8 at the end of Stage 5 attempt this level.

### What will I learn about?

The course is a recommended minimum basis for further studies in Mathematics as a major discipline at tertiary level or in support of the physical and engineering sciences.

### *Year 11 (Preliminary HSC Course)*

Further Work with Functions, Polynomials, Inverse Trigonometric Functions, Further Trigonometric Identities, Rates of Change, Working with Combinatorics.

### *Year 12 (HSC Course)*

Proof by Mathematical Induction, Introduction to Vectors, Trigonometric Equations, Further Calculus Skills, Applications of Calculus, and the Binomial Distribution.

### What restrictions are there on the entry to this course?

- Acceptance into Mathematics will be based on academic performance in Years 9-10
- The Leader of Learning Mathematics must sign the Selection form, showing approval to apply for this course
- The Mathematics Advanced Year 12 course will be taught prior to or concurrently with this course.
- The Mathematics Advanced Year 11 course is a prerequisite.

### Is there any other important information I should know?

- Studied over Years 11 and 12

Units	ATAR
1	A - YES



## POSSIBLE CAREER PATHWAYS

Marine Biologist

Doctor

Pathologist

Biochemist

Vet

Dietician

Ecologist

# BIOLOGY

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil, but students should show high levels of achievement for Science in Years 9 – 10.

### What will I learn about?

The Year 11 course investigates cellular structure and provides a base for understanding the way in which multicellular organisms transport and absorb nutrients and carry out gas exchange.

Exploring variations in the structures and functions of organisms provides an understanding of the effects of the environment on living things and how this leads to biodiversity.

The Year 11 course consists of four modules.

**Module 1** Cells as the Basis of Life

**Module 2** Organisation of Living Things

**Module 3** Biological Diversity

**Module 4** Ecosystem Dynamics

The Year 12 course investigates reproduction, inheritance patterns and the causes of genetic variation in both plants and animals. Applications of this knowledge in biotechnology and various genetic technologies are explored in the light of their uses in the treatment, prevention and control of infectious and non-infectious diseases.

The Year 12 course consists of four modules.

**Module 5** Heredity

**Module 6** Genetic Change

**Module 7** Infectious Disease

**Module 8** Non-infectious Disease and Disorders

### What restrictions are there on the entry to this course?

- Acceptance into Biology will be based on academic performance in Years 9-10
- The Leader of Learning Science signature must be given on the Subject Selection form, showing approval to apply for this course

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Accountant

Teacher

Financial Planner

Investment Analyst

Project Manager

Insurance Broker

HR Consultant

Entrepreneur

Marketing Manager

Advertising Agent

Business Manager

# BUSINESS STUDIES

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

There are none, but students will develop the skills to:

- Investigate, synthesise and evaluate contemporary business issues and hypothetical and actual business situations
- Communicate business information and issues using appropriate formats
- Apply mathematical concepts appropriate to business situations.

### What will I learn about?

*Year 11 (Preliminary HSC Course)*

- Nature of Business
- Business Management
- Business Planning.

*Year 12 (HSC Course)*

- Operations
- Marketing
- Finance
- Human Resources.

### What restrictions are there on the entry to this course?

Nil (though more suitable for ATAR students).

### Is there any other important information I should know?

- Studied over Years 11 and 12
- There is a strong mathematical element in this course: students should be achieving high grades in Mathematics Pathway 5.2 or be completing Mathematics Pathway 5.3
- Students who choose this course must be willing to examine contemporary business issues and case studies.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Pharmacist

Doctor

Chemical Engineer

Biochemist

Vet

# CHEMISTRY

(Board Developed Course)  
2 Unit

### What prerequisites are there for entry into this course?

Nil, but students must show high levels of mastery of Science in Years 9-10.

### What will I learn about?

The Year 11 course develops the knowledge, understanding and skills in relation to the properties and structures of matter, the types and drivers of chemical reactions and how we measure the quantities involved in these processes.

The Year 11 course consists of four modules.

**Module 1** Properties and Structure of Matter

**Module 2** Introduction to Quantitative Chemistry

**Module 3** Reactive Chemistry

**Module 4** Drivers of Reactions

The Year 12 course builds on the concepts introduced in Year 11 by examining particular classes of chemicals, processes and a variety of chemical reactions which incorporate organic compounds and acid/base equilibrium reactions. The course challenges students to apply this knowledge to the investigation of a range of methods used in identifying and measuring quantities of chemicals which leads to an understanding of the structure, properties and trends of and between classes of chemicals

The Year 12 course consists of four modules.

**Module 5** Equilibrium and Acid Reactions

**Module 6** Acid/base Reactions

**Module 7** Organic Chemistry

**Module 8** Applying Chemical Ideas

### What restrictions are there on the entry to this course?

Acceptance into Chemistry will be based on academic performance in Years 9-10.

The Leader of Learning Science must sign the Subject Selection form, showing approval to apply for this course.

### Is there any other important information I should know?

- Studied over Years 11 and 12
- Practical experiences make up a significant part of this course.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Health Care Worker

Marketing

Social Work

Education

Childcare

Nursing

Midwifery

# COMMUNITY & FAMILY STUDIES

(Board Developed Course)  
2 Unit

### What prerequisites are there for entry into this course?

Nil

### What will I learn about?

Community and Family Studies is designed to develop in each student an understanding of the diverse nature and interdependence of families and communities, in relation to the changing nature of Australian society, with a view of enabling students to plan and manage resources effectively.

#### *Year 11 (Preliminary HSC Course)*

- Resource Management – Basic concepts of the resource management process including satisfying needs and wants.
- Individuals and Groups – The individual's roles, relationships and tasks within groups
- Families and Communities -Various family structures and functions and the interaction between family and community.

#### *Year 12 (HSC Course)*

- Research Methodology – Research methodology and skills culminating in the production of an Independent Research Project
- Groups in Context - The characteristics and needs of specific community groups such as the Homeless, people with a Disability, and Youth
- Parenting and Caring - Issues facing individuals and groups who adopt roles of parenting and caring in contemporary society
- HSC Option topics (1 option will be chosen)
  - Family and Societal Interactions
  - Social Impact of Technology
  - Individuals and Work.

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

- As part of the HSC, students are required to complete an Independent Research Project
- The focus of the Independent Research Project should be related to the course content of one or more of the following areas: individuals, groups, families, communities, resource management.

Units	ATAR
2	A - YES





## POSSIBLE CAREER PATHWAYS

Dancer

Entertainer

Choreographer

Studio teacher

Dance educator

Arts critic

Therapeutical  
Professional

Physiotherapist

# DANCE

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil

### What will I learn about?

Students undertake a study of Dance as an artform. There is an equal emphasis on the core components of Performance, Composition and Appreciation in the study of Dance.

#### *Year 11 (Preliminary HSC Course)*

Students complete the following course components:

- Performance
- Composition
- Appreciation

#### *Year 12 (HSC Course)*

Students continue common study in the three course components of Performance, Composition and Appreciation and also undertake an in-depth study of dance in one of the Major Study components, either Performance, Composition, Appreciation or Dance and Technology

- Core (60%) - Performance (20%), Composition (20%) and Appreciation (20%)
- Major Study (40%) Performance or Composition or Appreciation or Dance and Technology

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

- Students studying Dance bring with them a wide range of prior dance experience. Physical training and preparation of the body is fundamental and of paramount importance to the course and informs all three components of the course.
- Students may need to provide a dance uniform and other dance equipment.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Graphic Designer

Interior Designer

Urban Planner

Landscape Architect

Engineer

CAD Draughtsman

Teacher

# DESIGN & TECHNOLOGY

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil. Students who have an interest in problem solving and good time management skills are well suited to this course.

### What will I learn about?

This is a creative and dynamic course that gives students the opportunity to explore design in a variety of media. As well as carrying out 'design and make' activities they will study how design operates in industry and will focus on the work of individual designers.

### *Year 11 (Preliminary HSC Course)*

- Designing and Producing, the study of design theory and design processes.
- Collaborative design, research, management, using resources, communication, manufacturing and production
- Computer-aided design and manufacture evaluation, environmental issues, analysis, marketing and manipulation of materials, tools and techniques.

### *Year 12 (HSC Course)*

Innovation and Emerging Technologies, including a case study of innovation. The study of designing and producing includes a Major Design Project.

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

- In the Preliminary course, students must participate in hands-on practical activities and undertake a minimum of 2 design projects
- The HSC course involves a major project which will rely on time management and project management skills
- Students will be required to fund their own Year 12 major projects.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Playwright

Set Designer

Director

Producer

Entertainer

Teacher

Actor

Public Relations

Art Director

Costume Designer

Stage Hand

Stage Manager

Units	ATAR
2	A - YES

# DRAMA

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil.

### What will I learn about?

- Students study the practices of making, performing and critically studying drama. Students engage these components through collaborative and individual experiences.
- The practice of making in Drama is characterised by learning that involves workshopping concepts, ideas and experiences through enquiry, research, analysis and experimentation.
- The practice of performing in Drama is characterised by learning that involves presenting drama and theatre to an audience.
- The practice of critically studying in drama and theatre is characterised by learning that involves research, critical analysis, evaluation and reflection.

#### *Year 11 (Preliminary HSC Course)*

- Improvisation, Playbuilding and Acting
- Elements of Production in Performance
- Theatrical Traditions and Performance Styles

#### *Year 12 (HSC Course)*

- Australian Drama and Theatre (Core component)
- Studies in Drama and Theatre (One topic will be selected from a choice of 7)
- Group Performance
- Individual Project.

### What restrictions are there on the entry to this course?

Nil. It is recommended that students do not select more than one subject with a major project.

### Is there any other important information I should know?

- Students are required to participate in a group performance and an individual project to ensure they meet the requirements for the course. Students will choose from Critical Analysis, Design, Performance, Script Writing or Video Drama for their individual project.
- It is desirable that students have studied at stage 5 level or have previous drama training outside of school.



## POSSIBLE CAREER PATHWAYS

**Geologist**

**Environmental Engineer**

**Environmental Manager**

**Tourism Officer**

**Agriculturist**

**Environmental Scientist**

# EARTH & ENVIRONMENTAL SCIENCE

(Board Developed Course)

2 Unit

### **What prerequisites are there for entry into this course?**

Nil

### **What will I learn about?**

The Earth and Environmental Science Stage 6 Syllabus explores the Earth's renewable and non-renewable resources and also environmental issues. An understanding of the Earth's resources and the ability to live sustainably on the planet is a central purpose of the study of Earth and Environmental Science.

The course provides the foundation knowledge and skills required to study earth and environmental science after completing school, and supports participation in careers in a range of related industries. The application of earth and environmental science is essential in addressing current and future environmental issues and challenges. It is also necessary for the use and management of geological resources that are important to Australia's sustainable future.

### ***Year 11 (Preliminary HSC Course)***

Earth's Resources  
Plate Tectonics  
Energy Transformations  
Human Impacts

### ***Year 12 (HSC Course)***

Earth's Processes  
Hazards  
Climate Science  
Resource Management

### **What restrictions are there on the entry to this course?**

Nil. The course builds on the knowledge and skills of Earth and Space gained in the junior school.

### **Is there any other important information I should know?**

Nil.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

**Economist**

**Stock Broker**

**Financial Planner**

**Financial Analyst**

**Accountant / Banker**

**Actuary**

**Teacher**

**Business Manager**

**Agricultural Economist**

**Public Servant**

**Insurance Broker**

**Statistician**

**Journalist / Politician**

**Investment Analyst**

Units	ATAR
2	A - YES

# ECONOMICS

(Board Developed Course)  
2 Unit

### What prerequisites are there for entry into this course?

There are none, but students will develop skills to:

- investigate and engage in effective analysis, synthesis and evaluation of economic information from a variety of sources
- communicate economic information, ideas and issues in appropriate forms

### What will I learn about?

#### *Year 11 (Preliminary HSC Course)*

Introduction to Economics

Consumers and Business

Markets–The role of Markets, demand, supply and competition

Labour Markets–The workforce and the role of labour in the economy

Financial Markets–The financial market in Australia such as the share market

Government in the Economy.

#### *Year 12 (HSC Course)*

The Global Economy

Australia's Place in the Global Economy–Australia's trade and finance

Economic Issues–Economic growth, unemployment and inflation

Economic Policies and Management.

### What restrictions are there on the entry to this course?

- Acceptance into Economics will be based on academic performance in Years 9-10
- The Leader of Learning HSIE must sign the Subject Selection form, showing approval to apply for this course.

### Is there any other important information I should know?

- Studied over Years 11 and 12
- There is a strong mathematical element in this course. Students should be achieving high grades in Mathematics Pathway 5.2 or be completing Mathematics Pathway 5.3
- Students who choose this course must be willing to analyse issues within the Global and Australian economy.



## POSSIBLE CAREER PATHWAYS

Dietician

Food Quality Controller

Food Manufacturing &  
Product Development

Food Scientist

Food Technologist

Nutritionist

# FOOD TECHNOLOGY

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

There are none.

### What will I learn about?

Students will develop knowledge and understanding about the production, processing and consumption of food, the nature of food and human nutrition and an appreciation of the importance of food to health and its impact on society. Skills will be developed in researching, analysing and communicating food issues, food preparation and the design, implementation and evaluation of solutions to food situations.

#### *Year 11 (Preliminary HSC Course)*

- Food Availability and Selection
- Food Quality
- Nutrition

#### *Year 12 (HSC Course)*

The Australian Food Industry

- Food Manufacture
- Food Product Development
- Contemporary Nutrition Issues

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

It is a mandatory requirement that students undertake practical activities.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Analyst

Archaeologist

Detective

Diplomat

Historian

Journalist

Lawyer

Museum Curator

Police Officer

Teacher

Writer

# HISTORY – ANCIENT

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

There are none, but students will develop skills to:

- undertake the process of historical inquiry
- communicate an understanding of history

### What will I learn about?

The study of Ancient History engages students in an investigation of life in early societies based on the analysis and interpretation of physical and written remains. It offers students the opportunity to investigate the possible motivations and actions of individuals and groups, and how they shaped the political, social, economic and cultural landscapes of the ancient world.

Ancient History stimulates students' curiosity and imagination and enriches their appreciation of humanity by introducing them to a range of cultures and beliefs as well as to the origins and influences of ideas, values and behaviours that are still relevant in the modern world.

### *Year 11 (Preliminary HSC Course)*

Part I: Investigating Ancient History and at least Two Case Studies

Part II: Features of Ancient Societies

Part III: Historical Investigation.

### *Year 12 (HSC Course)*

Part I: Core Study: Cities of Vesuvius – Pompeii and Herculaneum

Part II: ONE Ancient Society

Part III: ONE Personality in Their Time

Part IV: ONE Historical Period

### What restrictions are there on the entry into this course?

Nil.

### Is there any other important information I should know?

- Studied over Years 11 and 12
- Students who choose this course should have a passion for, and commitment to, reading and an interest in history
- An interest in all aspects of historical investigation is essential.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Analyst

Archaeologist

Detective

Diplomat

Historian

Journalist

Lawyer

Museum Curator

Police Officer

Teacher

Writer

Units	ATAR
2	A - YES

# HISTORY – MODERN

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

There are none, but students will develop skills to:

- undertake the process of historical inquiry
- use historical concepts and skills to examine the modern past
- communicate their understanding of history, sources and evidence, and historical interpretations.

### What will I learn about?

The study of Modern History engages students in an investigation of the forces that have shaped the world, based on the analysis and interpretation of sources. It offers students the opportunity to investigate the possible motivations and actions of individuals and groups, and how they have shaped the world politically, culturally, economically and socially. Modern History stimulates students' curiosity and imagination, and enriches their appreciation of humanity by introducing them to a range of historical developments and experiences that have defined the modern world.

#### *Year 11 (Preliminary HSC Course)*

Part I: Investigating Modern History and at least Two case Studies

Part II: Historical Investigation

Part III: The Shaping of the Modern World eg The French Revolution.

#### *Year 12 (HSC Course)*

Part I: Core Study: Power and Authority in the Modern World 1919 - 1946

Part II: ONE National Study (eg. China 1927-1949, USA 1919 - 1941)

Part III: ONE Peace and Conflict Study (eg. The Cold War 1945 – 1991)

Part IV: Change in the Modern World (eg. Apartheid in South Africa 1960 - 1994).

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

- Studied over Years 11 and 12
- Students who choose this course should have a passion for, and commitment to, reading and an interest in history
- An interest in all aspects of historical investigation is essential.





## POSSIBLE CAREER PATHWAYS

Graphic Designer

Multimedia Developer

Animator

Cartoonist

Desktop Publisher

Website Designer

Film Production

# INDUSTRIAL TECHNOLOGY – MULTIMEDIA

(Board Developed Course)  
2 Unit

### What prerequisites are there for entry into this course?

Nil.

### What will I learn about?

Students will learn to apply practical experiences to the study of the technology, design, management and organisation of the multimedia industry. Students use a range of multimedia software including, Adobe Flash and Dreamweaver, to create interactive multimedia products, such as simple games and Flash websites. There is no presumed knowledge or skills required, however throughout the course students will develop skills to be able to:

- plan all processes and stages required to complete projects
- obtain, create and modify images, sounds and text
- apply ethical constraints relating to authoring and copyright
- outsource appropriate expertise as required to complement personal practical skills select from a wide variety of industry techniques and strategies, apply them in the production and presentation of the major project.

### *Year 11 (Preliminary HSC Course)*

Students must design, develop and construct at least 2 projects.

- Each project must include a management folio.
- Design and Management: design, construction and development of projects, and management folios
- Workplace communication: acquiring a range of communication skills through a range of projects
- Industry-Specific Multimedia Content and Production: extending and refining knowledge and skills through practical experiences, and the production of the major multimedia project.

### *Year 12 (HSC Course)*

In the HSC course, students must design, develop and construct a major project in an area of their choice with a management folio. They also undertake a study of the multimedia industry in Australia.

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

Access to equipment: the school supplies cameras and other graphics equipment may be required.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

System Analyst

Database Administrator

Multimedia Developer

Project Management

Telecommunications Officer

Systems Designer

# INFORMATION PROCESSES AND TECHNOLOGY

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

There are none, but skills and knowledge of benefit include:

- The ability to analyse systems and report on findings
- A general knowledge of computer systems.

### What will I learn about?

This course is designed to provide students with hands on experience of a number of uses of Information Technology that exist. Students will become familiar with Database Management, Systems, Spreadsheets, Desktop Publishing, Multimedia and Graphics Applications - just to name a few. Individual and group projects will be set which will allow students to demonstrate their competence in following computer processes and using the technology appropriately.

This is a great course designed for students who want to strengthen their computing knowledge, and who can recognise the importance of understanding Information Processes and Technology, whether going on to University or heading out into the workplace.

### *Year 11 (Preliminary HSC Course)*

Information Skills and Systems  
Tools for Information Processes  
Developing Information Systems.

### *Year 12 (HSC Course)*

Project Management  
Information Systems and Databases  
Communication Systems

Two Option Strands focusing on either Automated Manufacturing, Decision Support Systems, Multimedia or Transaction Processing (these will be chosen by the class teacher).

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

- The course is examined at HSC with a written examination.
- Students would be expected to have a working laptop with a number of software applications installed.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Cabinet Maker

Craftsman

Carpenter

Shop Fitter

Set Designer

Teacher

# INDUSTRIAL TECHNOLOGY

## TIMBER PRODUCTS AND FURNITURE TECHNOLOGIES

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil, however an interest in woodwork

Students who have a strong interest in woodwork and good time management skills are well suited to this course.

### What will I learn about?

Industrial Technology has been developed to incorporate content related to current and developing technologies. It offers students the opportunity to study the interrelationships of technologies, equipment and materials used by industry and to develop skills through the processes of design, planning and production.

### *Year 11 (Preliminary HSC Course)*

Design and management, as well as producing a range of set projects using hand tools and machinery. Course content includes industry specific content, an industry study as well as workplace communication such as literacy, calculations and graphics.

### *Year 12 (HSC Course)*

The study of designing and producing includes a Major Project and folio, based on a timber product.

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

- In the Preliminary course, students must participate in hands-on practical activities and undertake set wood based projects
- The course involves a major project and folio which will rely on time management and project management skills.
- Students will be required to fund their own major project.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Lab Technician

PDHPE Teacher

Landscaping

Fire Brigade

Horticulture

# INVESTIGATING SCIENCE

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil, but students should show satisfactory levels of achievement for Science in Years 9-10.

### What will I learn about?

The Year 11 course focuses on the centrality of observation in initiating the scientific process and examines the human tendency to draw inferences and make generalisations from these observations. Students learn about the development and use of scientific models and the similarities and differences between scientific theories and laws.

The Year 11 course consists of four modules.

**Module 1** Cause and Effect – Observing

**Module 2** Cause and Effect – Inferences and Generalisations

**Module 3** Scientific Models

**Module 4** Theories and Laws

The Year 12 course builds on the skills and concepts learnt in Year 11 with students conducting their own scientific investigations and communicating their findings in scientific reports. Students are provided with the opportunity to examine the interdependent relationship between science and technology and apply their knowledge, understanding and skills to scientifically examine a claim. The course concludes with students exploring the ethical, social, economic and political influences on science and scientific research in the modern world.

The Year 12 course consists of four modules.

**Module 5** Scientific Investigations

**Module 6** Technologies

**Module 7** Fact or Fallacy?

**Module 8** Science and Society

### What restrictions are there on the entry to this course?

The Investigating Science Stage 6 course may be studied as a stand-alone course or in combination with any other science course(s).

### Is there any other important information I should know?

Practical experiences make up a significant part of this course

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

**Analyst**

**Archaeologist**

**Detective**

**Diplomat**

**Historian**

**Journalist**

**Lawyer**

**Museum Curator**

**Police Officer**

**Teacher**

**Writer**

# LEGAL STUDIES

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

There are none, but students will develop skills in:

- investigating, analysing and communicating relevant legal information and issues.

### What will I learn about?

The course aims to develop students' knowledge, understanding and skills in relation to the legal system and its effectiveness in promoting a just and fair society, with the view to empowering students to participate effectively as citizens at the local, national and international level. The course examines the topics of: Law and Society, Justice, Crime, Courts, Family Law and Consumer Law. Students will evaluate the effectiveness of our legal system. It is relevant and relies on the students following the media.

#### *Year 11 (Preliminary HSC Course)*

Part I: The legal system

Part II: The individual and the law

Part III: Law in practice.

#### *Year 12 (HSC Course)*

Core Part I: Crime

Core Part II: Human rights

Core Part III: Options (*Two will be chosen*)

- Consumers
- Family
- Indigenous Law
- Shelter
- Workplace
- World Order
- Global Environmental Protection

### What restrictions are there on entry to this course?

Nil.

### Is there any other important information I should know?

- Students who choose to study this course should have a passion for reading and an interest in the law.
- The students will enjoy competing in the mock trial against other schools if this can be arranged.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Music Teacher

Primary Teacher

Sound Technician

Events Manager

Audio Engineer

IT Industry

Musician

Composer/Arranger

# MUSIC 1

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil.

### What will I learn about?

The Music 1 course builds on the Years 7-8 Mandatory Courses and the Elective courses in years 9-10. It caters for students who have diverse musical backgrounds and musical interests. It therefore attracts students with a formal musical background as well as those with only minimal experience.

The Music 1 course develops knowledge and skills about the concepts of music (Duration, Pitch, Dynamics and Expressive Techniques, Tone Colour, Texture and Structure) which will be introduced in a variety of cultural and historical contexts through activities in the following areas:

- Performance - participation in any form of practical music making in a variety of styles/periods.
- Composition - the organisation of sounds.
- Musicology - the study of musical styles and genres from a number of perspectives. These include the historical, the sociological, the notational and the analytical.
- Aural (Listening) - the ability to discriminate between sounds and to make judgements about their use in a wide range of musical styles, periods and genres.

### What restrictions are there on the entry to this course?

Performing is important and students must be able to play a musical instrument or sing during classes and for assessments.

### Is there any other important information I should know?

- Music 1 assumes no prior knowledge of musical notation beyond the basic introduction in Years 7 and 8.
- The Music Department recognises that students who have had no further involvement in music beyond their introduction in the Mandatory Course will need to revisit elementary musical skills.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Medicine

PDHPE Teacher

Exercise Science

Health Science

Paramedic

Nurse

Pharmacist

Physiotherapist

# PERSONAL DEVELOPMENT HEALTH AND PHYSICAL EDUCATION

(Board Developed Course) 2 Unit

### What prerequisites are there for entry into this course?

Nil, but students should show high levels of mastery of the theory aspects in Years 9-10 PDHPE.

### What will I learn about?

*Year 11 (Preliminary HSC Course)*

Core Strands:

- Better Health for Individuals
- The Body in Motion
- Option Topics (2 will be chosen)
  - First Aid
  - Composition and Performance
  - Fitness Choices
  - Outdoor Recreation

*Year 12 (HSC Course)*

Core Strands:

Health Priorities in Australia

Factors Affecting Performance

- Option Topics (2 will be chosen)
  - The Health of Young People
  - Sport and Physical Activity in Australian Society
  - Sports Medicine
  - Improving Performance

### What restrictions are there on the entry to this course?

- Acceptance into PDHPE will be based on academic performance in Years 9-10
- The Leader of Learning PDHPE must sign the Subject Selection Form, showing approval to apply for this course.

### Is there any other important information I should know?

- Focuses mainly on theoretical experiences, with limited practical application opportunities
- Students who choose this course should be competent in writing answers to both short and extended response-style questions.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Physicist

Pilot

Civil Engineer

Mechanical Engineer

Architect

# PHYSICS

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil, but students must show high levels of mastery of Science in Years 9-10.

### What will I learn about?

The Year 11 course develops students' knowledge, understanding and skills relevant to the study of motion, how we describe it and what causes it. The course also examines energy in its different forms and how we describe and measure electricity and magnetism and their interrelated effects.

The Year 11 course consists of four modules:

**Module 1** Kinematics

**Module 2** Dynamics

**Module 3** Waves and Thermodynamics

**Module 4** Electricity and Magnetism.

The Year 12 course provides avenues for students to apply the concepts they were introduced to in Year 11 to motion in two dimensions, electromagnetism, theories of light, the atom and the universe.

The Year 12 course consists of four modules:

**Module 5** Advanced Mechanics

**Module 6** Electromagnetism

**Module 7** The Nature of Light

**Module 8** From the Universe to the Atom.

### What restrictions are there on the entry to this course?

Acceptance into Physics will be based on academic performance in Years 9-10. The Leader of Learning Science must sign the Subject Selection Form, showing approval to apply for this course.

### Is there any other important information I should know?

- Studied over Years 11 and 12
- Practical experiences make up a significant part of this course
- Physics will appeal to students who enjoy challenging problem solving, experiment design and research from current journals and websites.

Units	ATAR
2	A - YES





## POSSIBLE CAREER PATHWAYS

Anthropologist

Psychologist

Counsellor

Marketing

Ambassador

# SOCIETY & CULTURE

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

None, but students will develop the skills to:

- apply ethical social and cultural research to investigate and analyse information from a variety of sources
- communicate information, ideas and issues in appropriate forms to different audiences and in a variety of contexts

### What will I learn about?

*Year 11 (Preliminary HSC Course)*

- The Social and Cultural World – the interactions between persons and groups within societies. Focus Study: Maasai/Amish People
- Personal and Social Identity – socialisation and the development of personal and social identity in a variety of social and cultural settings.
- Intercultural Communication – how people in different social, cultural and environmental settings behave, communicate and perceive the world around them.

*Year 12 (HSC Course)*

- The Personal Interest Project (PIP) – an individual research project
- Social and Cultural Continuity and Change – the nature of social and cultural continuity and change as well as application of research methods and social theory to a selected country study.
- Depth Studies: Two to be drawn from:
  - Popular Culture
  - Belief Systems and Ideologies
  - Social Inclusion and Exclusion
  - Social Conformity and Nonconformity

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

Completion of Personal Interest Project (PIP) which is integrated across the whole HSC course and draws together the interests, research skills and personal experiences of the student. The PIP is approximately 6000 words and contributes to 40% of your HSC mark.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Computer Programmer

System Designer

Software Engineer

Computer Scientist

Electronics Engineer

Project Administrator

Web Designer

# SOFTWARE DESIGN & DEVELOPMENT

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

An ability to think logically (in similar ways needed for success in Mathematics) is beneficial.

### What will I learn about?

This course is designed to provide students with a solid grounding in the processes involved in program design and development. You will be taught the principles of good software design and will be expected to apply those principles in software that you create. A major component of the course will be project work where students will be expected to create a software package, adhering to what they have learnt in the theory part of the course.

### *Year 11 (Preliminary HSC Course)*

Social and Ethical Issues  
Hardware and Software  
Software Development Approaches  
Introduction to Software Development  
Developing Software Solutions.

### *Year 12 (HSC Course)*

Development and Impact of Software Solutions  
Software Development Cycle  
Developing a Solution Package  
Programming Paradigms.

### What restrictions are there on the entry to this course?

Acceptance into Software Design and Development will be based on academic performance in Years 9-10  
The Leader of Learning Technology's must sign the Subject Selection Form, showing approval to apply for this course.

### Is there any other important information I should know?

Studied over Years 11 and 12  
Students need to be adept at problem solving and independent learning.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Art/ Creative Director

Design Maker

Interior Decorator

Fabric Designer

Fashion Forecaster

Print Designer

Visual Merchandiser

# TEXTILES & DESIGN

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil

### What will I learn about?

This course provides students with the opportunity to learn about design including fabric colouration, historical design, cultural design factors and contemporary designers. Students learn about fibres, yarns, fabrics, innovations and emerging textile technologies, environmental sustainability, current issues and the Australian Textile Industry.

#### *Year 11 (Preliminary HSC Course)*

- Design
- Properties and Performance of Textiles
- Australian Textile, Clothing, Footwear and Allied Industries

#### *Year 12 (HSC Course)*

- Design
- Properties and Performance of Textiles
- Australian Textile, Clothing, Footwear and Allied Industries
- Major Textiles Project

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

Practical experiences, experimenting and product manufacturing are integrated throughout the content areas and include the completion of textile projects. Throughout Year 12 students develop a Major Textiles Project including supporting documentation.

Units	ATAR
2	A - YES



## POSSIBLE CAREER PATHWAYS

Teacher

Graphic Designer

Film director

Advertiser

Curator

Professional Artist

Lecturer

Creative Designer

Photographer

# VISUAL ART

(Board Developed Course)

2 Unit

### What prerequisites are there for entry into this course?

There are no official prerequisites for the course, however it would be advantageous if the student has an interest in sketching, painting, and creating art in their spare time.

### What will I learn about?

#### *Year 11 (Preliminary HSC Course)*

Nature of practice in artmaking, art criticism and art history  
 Role and functions of the artist and different interpretations of art  
 How to develop meaning and interest in artworks  
 Investigating art independently.

Through this study students will focus on the following:

- The art historical timeline and making a body of work
- Public art and Installation art.

#### *Year 12 (HSC Course)*

Making art by considering making, critical and historical concepts  
 Understanding and analysing the relationship between artist, artwork, world and audience  
 How to apply sophisticated professional critique in all genres of art  
 How to further develop meaning and focus in their work.

Through this study students will focus on the following:

- The importance of Modernism in what we understand about a work of art
- The change in art practice through postmodernism
- Understanding the role of the Historian, Critic and Curator to the art world
- How artists have captured the Australian landscape over time
- Art and the technology world, where are we going now.

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

- The use of a process diary is mandatory and must contain consistent, detailed and complex investigations into art practice and theory
- 50% of the course is theory related

Units	ATAR
2	A - YES

**CONTENT  
ENDORSED  
COURSES**



## POSSIBLE CAREER PATHWAYS

Nursing

Social worker

Childcare

Teacher

Nanny

Midwifery

# EXPLORING EARLY CHILDHOOD

(Content Endorsed Course)

2 Unit

### What prerequisites are there for entry into this course?

Nil

### What will I learn about?

This course explains the importance of the early childhood years and the role of family and communities to provide a safe, nurturing and challenging environment for children. This knowledge can form the basis of positive care giving skills. The structure allows students the flexibility to complete the basic one year of study (Year 11) or continue through a second (Year 12).

#### *Year 11 (Preliminary HSC Course)*

There are three compulsory core models. These are:

- Pregnancy & Childbirth
- Childbirth & Development
- Promoting Positive Behaviour

#### *Year 12 (HSC Course)*

Optional course modules will be studied throughout the course.

Learning Experiences for Young Children

- Play and the Developing Child
- Starting School
- Gender and Young Children
- Children and Change
- Children of Aboriginal and Torres Strait Islander Communities
- Historical and Cultural Contexts of Childhood
- The Children's Services Industry
- Young Children and Media
- Young Children and the Law
- Children's Literature
- Food and Nutrition
- Child Health and Safety
- Young Children with Special Needs

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

Assessment tasks may include individual reports, examinations, oral reports, research assignments, journals, practical interactions with children and creative projects. There is no external HSC examination in this course.

Units	ATAR
2	B - NO



## **POSSIBLE CAREER PATHWAYS**

**Photographer**

**Photographic Journalist**

**Photo/Film Editor**

**Photo Shop Manger**

**Film Director**

# **PHOTOGRAPHY, VIDEO AND DIGITAL IMAGING**

**(Content Endorsed Course)**

**2 Unit**

**What prerequisites are there for entry into this course?**

Nil.

**What will I learn about?**

Photography and its products are an integral part of our lives. We view significant events in snapshots and on the television news; we study pictures that figure prominently in newspapers and holiday brochures; we see satellite photographs of cloud cover on television weather reports; we know the surface of Mars and the moons of Jupiter from computer-enhanced images transmitted across space; we take x-ray photographs of our interiors to a doctor for interpretation; we use photocopiers and fax machines as standard office equipment.

This course in Photography will allow students to:

- increase visual awareness of their environment and the way photographic representations can be created from this to communicate ideas and feelings;
- develop an understanding of the methods photographers use to build meanings;
- develop skills through the acquisition of the techniques of photography;
- use photography as a means of visual communications and a process to aid observation and analysis;
- gain an understanding of careers involving photography.

Topics will be selected from:

- Introduction to practice of Wet Photography
- Developing a point of view
- Traditions, conventions, styles and genres
- Manipulated forms
- The arranged image
- Temporal accounts
- Individual Project

**What restrictions are there on the entry to this course?**

Nil.

**Is there any other important information I should know?**

Access to some forms photography equipment

Units	ATAR
2	B - NO



## POSSIBLE CAREER PATHWAYS

Trainer

Coach

First Aid

Gymnastics coach

Fitness Instructor

Dance Instructor

Referee

# Sport, Lifestyle and Recreation Studies

(Content Endorsed Course)

1 Unit

### What prerequisites are there for entry into this course?

Nil

### What will I learn about?

This course caters for a wide range of student needs, developing:

- High levels of performance skill in particular sports
- The capacity to adapt administrative roles in community sport and recreation
- Skills in coaching, training, first aid, referee and fitness leader.

This course is made up of 15 specific modules, where four (4) are selected, with two (2) studied each semester.

The modules include:

- Aquatics
- Athletics
- Dance
- First Aid/Sports Injuries
- Fitness
- Games and Sports Application I
- Games and Sports Application II
- Gymnastics
- Healthy Lifestyles
- Individual Games and Sports Applications
- Outdoor Recreation
- Resistance Training
- Social Perspective of Games and Sports
- Sports Administration
- Sports Coaching and Training

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

This course is assessed through a combination of theory and practical modules. Assessment is primarily based on knowledge learnt, practical applications, skills developed and level of participation.

Students with interest in the areas of Sport Science, Physical Education and human movement, which can present viable post-school study and career pathways, including some credit transfer opportunities into TAFE.

Units	ATAR
1	B - NO





## POSSIBLE CAREER PATHWAYS

Secretary

Receptionist

Telemarketer

Customer Service

Retail

# Work Studies

(Content Endorsed Course)  
2 Unit

### What prerequisites are there for entry into this course?

Nil

### What will I learn about?

Work Studies is a Content Endorsed Course offered as a 2 Unit subject. Undertaking Work Studies will enable a student to develop the skills, knowledge, understanding and confidence to allow them to experience a successful transition from school to work and further education and training.

Achieving success should be a key motivator for each student of Work Studies. Success is attained when students demonstrate achievement improvement, persistence, resilience and their personal best. To support this, students will be involved in setting personal goals and monitoring their achievements in their class, school, peer group, family, community, sporting and other pursuits. In keeping with a focus on the development of the individual, Work Studies is design to encourage cooperative learning, flexible timelines and supportive feedback. It consistently promotes positive behaviours that lead to a successful transition to the workplace, further education and training and preparation for the future world of work.

### Modules that can be studied throughout the course:

- In the Workplace
- Preparing Job Applications
- Workplace Communication
- Teamwork and Enterprise Skills
- Managing Work and Life Commitments
- Personal Finance
- Workplace Issues
- Self-Employment
- Team Enterprise Project
- Experiencing Work
- School-Developed Module

### What restrictions are there on the entry to this course?

Nil.

### Is there any other important information I should know?

There is no external HSC examination for this course – it does not contribute to the ATAR.

The HSC assessment mark will appear on the student's HSC

Units	ATAR
2	B - NO

## NOTES