CANTERBURY BOYS HIGH SCHOOL

COLLEGE (YEARS 11 & 12)

COURSE INFORMATION

2021

Contents

Principal's Message

Welcome to another very important stage of your high school career. Canterbury Boys High School has a proud history and tradition of academic excellence; with high university entrance rates and a strong reputation for outstanding HSC results. Our school has extensive university links with Sydney University and the University of NSW, a dedicated homework centre and numerous co-curricular programs to meet students' personalised learning needs. We are specialists in boys' secondary education and create an environment in which our boys thrive.

In 2016 our school introduced the "3+3" curriculum model, where three subjects are studied within one calendar year and an additional three subjects the following year. This model is ensuring a wide variety of curriculum choice and it provides a more sustained focus for academic achievement. This model will continue into the 2021/22 year.

The selection of subjects to be studied for the Preliminary and HSC courses are very important and will in many cases shape future career pathways, including University, TAFE, Apprenticeships or Employment. It is important that students, along with their parents and/or caregivers, carefully read the information contained in this booklet to acquaint themselves with all the subjects available and ensure that students make an informed choice that will enable the pathway to a successful career.

You need to choose your subjects wisely and you need to reflect deeply on what it takes to commit to the senior years of schooling. Years 11 and 12 are very different from Year 10. Expectations are higher in regards to diligence, sustained effort, attendance and commitment.

To assist with subject selection, students will have the benefit of participating in a program that includes Careers Adviser and Head Teacher presentations, career planning and an information video will be available for students and parents.

We encourage students to make decisions based on a number of different requirements including specific university course requirements, career pathways or subjects of special interest to them or courses in which they are achieving success.

This booklet will guide students in making a choice about the pattern of subjects that will best meet their individual needs in relation to further study and their vocational and personal interests. Use it in conjunction with the information and ideas available at the subject information talks and the video sent to you and your parents.

You will be required to plan your pattern of study for two years by selecting the subjects that you wish to study for College 1 and for College 2 to ensure that you continue to meet requirements. Remember that your teachers, in particular your year adviser and careers adviser, are also always available to help.

I look forward to seeing your commitment to your studies, a strong focus on learning and achievement and working hard to achieve the best results possible.

Mr Ross Dummett
Principal

The HSC at Canterbury Boys High School

Canterbury Boys High School uses a compressed curriculum model to deliver the HSC program. A compressed delivery model allows completion of a Stage 6 Preliminary and HSC course (including the HSC examination) in approximately one calendar year instead of two years. At CBHS where all courses are compressed, students typically undertake three courses in the first year of the two-year cycle (College 1) and three courses in the second year of the cycle (College 2).

For College 1 you will:

- commence Preliminary courses in Week 6 Term 4, Year 10 and complete Preliminary courses at the end of Term 1 of the following year (approximately 15 weeks)
- commence HSC courses at the beginning of Term 2, and complete HSC courses at the end of Term 3 (approximately 20 weeks)

For College 2 you will:

- commence Preliminary courses in Week 6 Term 4, 2021 and complete Preliminary courses at the end of Term 1 of the following year (approximately 15 weeks)
- commence HSC courses at the beginning of Term 2, and complete HSC courses at the end of Term 3 (approximately 20 weeks)

You will be required to plan your pattern of study for two years by selecting the courses that you wish to study for College 1 and for College 2 and must ensure that over this two year period that you meet the pattern of study requirements.

Eligibility Requirements for the Higher School Certificate

To be eligible for the HSC, you must:

- satisfactorily complete Years 9 and 10 or gain other qualifications that satisfy NESA
- attend a government school, an accredited non-government school, a NSW Education Standards Authority recognised school outside NSW, or a TAFE college
- complete **HSC: All My Own Work** (or its equivalent) before you submit any work for Preliminary or HSC courses, unless you are only entered for Year 11 and Year 12 Life Skills courses
- satisfactorily complete courses in the patterns of study detailed below
- have a satisfactory record of attendance and application in each course
- sit for and make a serious attempt at the required HSC exams
- meet the HSC minimum standard of literacy and numeracy within five years of starting your HSC course

In order to satisfactorily complete of a course students must:

- **follow the course** developed or endorsed by NESA
- **apply themselves** with diligence and sustained effort to the set tasks and experiences provided in the course by the school, and
- **achieve** some or all of the course outcomes
- where applicable, complete **mandatory work placement.**

Additionally, students must:

- complete HSC assessment tasks that contribute in **excess of 50 per cent** of available marks in courses where internal assessment marks are submitted, and
- sit for and make a **serious attempt** at any requisite Higher School Certificate examinations for a course

Patterns of Study Requirements

Each course in the Senior School is comprised of two components:

1. A Preliminary (Year 11)
2. A HSC (Year 12) course.

Satisfactory completion of the Preliminary course is a prerequisite for entry into an HSC course.

Candidates for the Higher School Certificate must undertake a program of study comprising at least:

- 12 units of Preliminary course
- 10 units of Higher School Certificate courses

Both the Year 11 and Year 12 pattern of study must include:

- 2 units of **compulsory English**
- at least **6 units** of Board Developed Courses
- at least **3 courses of 2 units** value or greater
- at least **4 subjects** (including English)
- a maximum of **6 units of Science** may be included in the Year 11 pattern of study.
- a maximum of **7 units of Science** may be included in the Year 12 pattern of study.

Types of Courses

Board Developed Courses

- are designed by NESA
- have a unit value of 2 units (a small number of courses have extension units e.g. English, History and Mathematics)
- are assessed by an HSC external examination as well as school based assessment
- contribute to the ATAR.

Board Endorsed Courses

- are designed by NESA
- have a large degree of flexibility so schools can choose which options suit them best
- can be 1 or 2 unit courses studied over one or two years
- are assessed by the school
- appear on the HSC but do not contribute to the ATAR.

Extension Courses

- are 1 unit courses which build upon the contents of the 2 unit NESA Developed course and require students to work beyond 2 unit standard
- HSC extension courses in subjects other than English and Mathematics are offered and examined in Year 12 only
- contribute to the ATAR

Vocational Education and Training (VET) Courses

- can be delivered by schools, TAFEs or other providers
- accredited by industry and the workplace
- competency based and is a 240 hour course
- can be framework courses
  - can be assessed by an HSC external exam
  - can contribute to the ATAR
  - mandatory workplace component (35 hours per year)
  - category B courses
- can be non-framework courses
  - appear on Preliminary or HSC Record of Achievement
  - do not contribute to the ATAR
  - internal assessment only.

NB: Courses in this book are NESA Developed courses unless specifically shown as a NESA Endorsed course or Vocational Education and Training course.

Credentialing

1. HSC Testamur

All eligible students will also receive an HSC. To be eligible, students must follow the required pattern of study, attempt the HSC examinations, and have been assessed in the prescribed manner.

2. Record of School Achievement (RoSA)

The RoSA is a cumulative credential that is available to all students who leave before receiving their HSC and have satisfied the eligibility requirements. The RoSA records completed Stage 5 + Preliminary Stage 6 courses and grades. This document is accessed online through the NESA – Students Online: https://studentsonline.nesa.nsw.edu.au/. Students who complete the HSC will see all their Stage 6 (Year 11 & Year 12) courses and results on their HSC.

3. Course Report

A report will be issued for each course. The report will include:

- an HSC mark located in one of the performance scale bands with a description of the knowledge, skills and understanding typically demonstrated by students in that band. This mark is derived from an average of the exam mark and school based assessment;
- a moderated assessment mark out of 100;
- an examination mark out of 100;
- a mark out of 50 for extension courses.

The Principal will be required to certify satisfactory completion of HSC courses, as evidenced by attendance, conduct and progress.

4. The Australian Tertiary Admission Rank (ATAR)

If you wish to go to University you must apply for an ATAR. The requirements for the Australian Tertiary Admission Rank (ATAR) are determined by the universities. The ATAR is calculated by the Universities' Technical Committee on Scaling on behalf of universities in all states and territories
(except Queensland). A candidate's ATAR is calculated from the scaled aggregate of the marks in the best ten units in NESA Developed HSC courses, subject to the following restrictions:

- at least two units of English must be included;
- at least three NESA Developed Courses of two units value or greater must be included;
- courses from at least four subjects must be included;
- only two units of category B courses may be included in the calculation of the ATAR, i.e. one subject.
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The universities categorise NESA Developed Courses as either Category A or Category B. The Category B courses list is outlined in the glossary of this booklet.
[For more detailed information on the ATAR and the Limited ATAR refer to current Universities Admissions Centre (UAC) publications.]

Important notes

- English must be satisfactorily completed;
- You can include English Studies in your 6 units of Board Developed Courses, but you can only count it in the units that UAC uses to calculate an ATAR if you do the optional exam;
- If you do the optional exam in both English Studies and Mathematics Standard 1 or a VET course, only the units for English Studies can be used to calculate your ATAR;
- The units may be accumulated by a candidate over a total time span of five years;
- If a candidate repeats a course or paper, the mark from the latest (satisfactory) attempt will be used;
- A candidate who enrols in a repeat course or paper and subsequently withdraws (either officially, by advising their principal or NESA; or unofficially, by non-attendance at the appropriate examination) will be considered as not having completed the course and it will be regarded as a non-satisfactory attempt, leading to the mark from his previous (satisfactory) attempt in that course or paper being available for inclusion in the ATAR calculation; and
- At most one 240 hour Vocational Education Course where the candidate sits for the external examination in that course at the HSC will be included in the calculation of the ATAR.

Note: Some University courses, particularly Visual Arts and Music courses use other criteria for entry, namely portfolio, audition and interviews.

HSC Minimum Standard

You need reading, writing and maths skills to be successful in everyday life after school.

That's why you're required to show a minimum standard of literacy and numeracy to receive the Higher School Certificate (HSC) from 2020.

To check you have the basics right, you need to achieve **Level 3 or 4 in short online reading, writing and numeracy tests** of skills for everyday life.

Students get up to four times per year to sit each minimum standard reading, writing or numeracy test. The school will help you decide when you are ready to take each test.

If you pass the online tests of basic reading, writing and numeracy skills you will show you've met the HSC minimum standard.

How is the standard set?
The standard is set at level 3 of the Australian Core Skills Framework (ACSF), which means students will have the basic reading, writing and maths skills needed for everyday tasks and future learning after school. It includes skills for tasks such as:

- Following safety instructions in equipment manuals
- Understanding a mobile phone plan
- Writing a job application
- Creating a personal weekly budget

The HSC minimum standard is part of a plan to ensure students have essential literacy and numeracy skills.

Requirements

Because you will complete your HSC in 2021 you need to meet the HSC minimum standard to receive the HSC. To show you meet the standard you need to pass the online reading test **AND** pass the online writing test **AND** pass the online numeracy test.

Students with disabilities
Some students with disabilities will be eligible for extra provisions for the minimum standard online tests or be exempt from meeting the HSC minimum standard to receive their HSC.

Choosing Subjects

It is imperative that students who are considering going on to Year 11 make their choices wisely based on requirements for their future.
Be guided by the following rules:

ABILITY	Choose courses and levels you are good at
INTEREST	Choose courses and levels you are interested in
MOTIVATION	Choose courses you really want to learn
FUTURE	Choose the pathway and courses which will best assist you in your future career plans

In choosing your subjects, it is recommended you talk to some or all of the following people who can help you decide:

- Deputy Principals
- Class Teachers
- Year Adviser
- School Counsellor
- Careers Adviser
- Head Teachers
- Parents / Family
- Older students

Selection Process

Following your initial selection of courses, you will be interviewed to discuss the suitability of your choices. Discussions may include the background skills required for particular courses, Year 10 achievement levels and your career plan. These interviews may include parents to ensure the best outcome for your course choice.

University Prerequisites

A growing number of university courses have prerequisites in order to gain entry. Students are encouraged to see the Careers Adviser, if they have specific questions about this. Following is information that may be of interest to a significant number of students

- The University of Sydney now has a number of courses that require the achievement of a Band 4 in at least Mathematics 2 Unit. The following courses have this compulsory prerequisite: Animal and Veterinary Sciences, Commerce and Economics, Computer Science and IT, Mathematics and Science teachings, Engineering, Medical Science, Pharmacy, Project Management, Psychology (in Science) and all Science degrees
- Students considering a career in Primary School Teaching are advised to undertake General Mathematics or 2U Mathematics as a minimum, as it is a Department of Education requirement for primary education teaching.

Subjects and Faculties at CBHS

	Head Teacher
ENGLISH	**Mr N McKinley**
English Standard	
English Advanced	
English EAL/D	
English Extension 1 and 2	
English Studies	
MATHEMATICS	**Ms N Simpson**
Mathematics Standard	
Mathematics Advanced	
Mathematics Extension 1 and 2	
SCIENCE/PDHPE	**Ms H Shuhevych**
Biology	
Chemistry	
Investigating Science	
Physics	
Personal Development/Health/Physical Education	
Sport, Lifestyle and Recreation (Non-ATAR)	
TECHNOLOGY AND APPLIED STUDIES (TAS)	**Ms K Danilatos**
CREATIVE AND PERFORMING ARTS (CAPA)	
Engineering	
Food Technology	
Information and Digital Technology VET	
Information Processes & Technology	
Software Design and Development	
Music 1	
Visual Arts	
HSIE	**Ms A Robson**
Ancient History	
Business Studies	
Economics	
Geography	
Legal Studies	
Modern History	
Work Studies (Non-ATAR)	
CAREERS	**Ms A Giameos**

Summary of Courses

- Category A Courses have academic rigour and depth of knowledge to provide background for tertiary studies. Examples include Biology and Geography.
- Category B Courses - no more than two units of Category B courses can be included in the ATAR calculation. Example, Information and Digital Technology VET

Category A Courses	Category B Courses
May be included in the calculation of a student's Australian Tertiary Admission Rank (ATAR)	No more than 2 units of Category B courses can be included in the calculation of a student's ATAR
Compulsory HSC Examination for most courses	Optional HSC examination for some courses
	Include VET Curriculum Framework courses and have compulsory work placement.

COURSE	TYPE	UNITS	ADDITIONAL CREDENTIAL	ATAR/CATEGORY	PAGE
Ancient History	Board Developed	2	No	Yes/A	17
Biology	Board Developed	2	No	Yes/A	18
Business Studies	Board Developed	2	No	Yes/A	19
Chemistry	Board Developed	2	No	Yes/A	20
Economics	Board Developed	2	No	Yes/A	21
Engineering Studies	Board Developed	2	No	Yes/A	22
English Advanced	Board Developed	2	No	Yes/A	23
English Standard	Board Developed	2	No	Yes/A	24
English Studies	Board Developed	2	No	Yes /A	25
English EAL/D	Board Developed	2	No	Yes/A	26
English Extension (1 and 2)	Board Developed	2	No	Yes/A	27
Food Technology	Board Developed	2	No	Yes/A	28
Geography	Board Developed	2	No	Yes/A	29
Information & Digital Technology VET Framework Course	Board Developed	2	Yes	Yes/B	54
Information Processes & Technology	Board Developed	2	No	Yes/A	30
Investigating Science	Board Developed	2	No	Yes/A	31
Legal Studies	Board Developed	2	No	Yes/A	32
Mathematics Standard	Board Developed	2	No	Yes/A	33-34
Mathematics Advanced	Board Developed	2	No	Yes/A	35
Mathematics Extension 1	Board Developed	1	No	Yes/A	36
Mathematics Extension 2	Board Developed	1	No	Yes/A	37
Modern History	Board Developed	2	No	Yes/A	38
Music Course 1	Board Developed	2	No	Yes/A	39
PD/H/PE	Board Developed	2	No	Yes/A	40
Physics	Board Developed	2	No	Yes/A	41
Software Design and Development	Board Developed	2	No	Yes/A	42
Sport, Lifestyle & Recreation	Board Endorsed	2	No	No	45
Visual Arts	Board Developed	2	No	Yes/A	43
Work Studies	Board Endorsed	2	No	No	46

Course Notes

You may not include any more than 6 units of the following Science courses: Biology, Chemistry, Physics and Investigating Science.

Canterbury Boys High School- Schedule of Contributions 2021

Please note that these are 2020 fees. They should be used as a guide only. Slight increases for some subjects may occur in 2021.

A number of courses have compulsory fees to help cover the resources and materials used. The understanding is, that by selecting one or more of these courses you agree to pay these fees by the scheduled date.

An annual book levy of $100 allows you access to all the textbooks that will be used while studying your chosen courses. It is expected that the book levy be paid within the first week of commencing the Preliminary Course.

SUBJECT	COST
FOOD TECHNOLOGY	$100
INFORMATION AND DIGITAL TECHNOLOGY VET	$50
INFORMATION PROCESSES AND TECHNOLOGY	$25
MUSIC 1	$100
VISUAL ARTS	$160

Payment can be made online or by cash, cheque, credit card or by EFTPOS at the front office. Contributions may be paid in full or by instalments.
N.B. If you are in receipt of youth allowance, this money is to be used to cover education expenses (contributions, excursions).

(Note to International Students: Elective contributions, textbook hire and excursion costs are paid from the funds you have already paid to DE International.)

Course Offerings for 2021

COURSES OFFERED IN 2021
Ancient History
Biology
Business Studies
Chemistry
Economics
Engineering Studies
English Standard
English Advanced
English EAL/D
English Extension
Food Technology
Geography
Information & Digital Technology (VET Framework Course)
Information Processes & Technology
Investigating Science
Legal Studies
Mathematics Standard
Mathematics Advanced
Mathematics Extension
Modern History
Music Course 1
PD/H/PE
Physics
Software Design & Development
Sport, Lifestyle & Recreation
Visual Arts
Work Studies

ATAR

ANCIENT HISTORY

UNITS OF STUDY: **2 Units**

What will I do in this subject?

Preliminary Course:

Part 1: *Investigating Ancient History*

- (a) *The Nature of Ancient History*
- (b) *Case studies* e.g. Troy, the Shang Dynasty, Tutankhamun's Tomb

Part 2: *Features of Ancient Societies* e.g. Greece, Rome, Persia, Celtic Europe

Part 3: *Historical Investigation* - allows for individual or group investigation, research and presentation.

HSC Course:

- Part I: Core – *Cities of Vesuvius, Pompeii and Herculaneum* - 25%
- Part II: *Ancient Societies* e.g. Spartan Society, New Kingdom Egypt - 25%
- Part III: *Personalities in their Times* e.g. Alexander the Great, Julius Caesar, Xerxes - 25%
- Part IV: *Historical Periods* e.g. The Greek World 500-440 BC, The Fall of the Roman Republic 78-31 BC -25%

What skills will I gain from this subject?

Students will satisfy their fascination and interest in the stories of the past and the mysteries of human behaviour. They will develop and apply the research skills and methodologies of the historian and archaeologist. Students will be equipped to question critically and interpret written and archaeological sources for evidence of what happened in the ancient world. They will learn how to identify similarities in ancient civilisations and be introduced to a wide range of beliefs and customs. Through this they will develop an appreciation and understanding of the world.

How much practical/theory work is in this subject?

The course includes theory and practical work. Theory involves investigating, analysing and interpreting archaeological and written sources. Practical work includes visiting museums and undertaking archaeological field work experiences. Students will handle, examine, and critique archaeological sources that date back thousands of years.

What background and skills are recommended for this subject?

Students undertaking Ancient History will draw on the following competencies:

- Collecting, analysing and organising information
- Communicating ideas and information
- Planning and organising activities
- Working with others and in teams
- Using technology
- Solving problems.

Are there additional requirements for this subject?

No.

Are there any exclusions for this subject?

No.

How will this course help me in the future?

Skills developed in the study of Ancient History are useful in a range of courses studied at university and TAFE NSW as well as in the workforce and everyday life. They are particularly applicable to Law, Teaching, Medicine, Travel and Tourism, Librarianship, Communications, Social Work and Journalism. Students may pursue further study in Ancient History at a tertiary level. Possible work opportunities include archaeology, a history tour guide or History teacher or lecturer.

ATAR

BIOLOGY

UNITS OF STUDY: 2 Units

What will I do in this subject?

The study of Biology in Stage 6 enables students to develop an appreciation and understanding of biological concepts that are used to explore the diversity of life, from a molecular to a biological systems level, and the interactions between living things and the environments in which they live. Through applying *Working Scientifically* skills processes and the use of biological technologies, the course aims to examine how biological practices are developed and used.

The Year 11 course develops the student's understanding of the structure and function of organisms. Students also study biodiversity and the effect of evolution.	**The Year 12 course** builds upon the Preliminary course. Students develop knowledge and understanding of genetics and the effects of diseases.
Preliminary Course (120 hours)	HSC Course (120 hours)
• *Cells as the Basis of Life* • *Organisation of Living Things* • *Biological Diversity* • *Ecosystem Dynamics*	• *Heredity* • *Genetic Change* • *Infectious Disease* • *Non-Infectious Disease and Disorders*

What skills will I gain from this subject?

Biology uses *Working Scientifically* processes to develop scientific investigative skills. It focuses on developing problem-solving and critical thinking skills in order to understand and support the natural environment. When working scientifically, students are provided with opportunities to design and conduct biological investigations both individually and collaboratively.

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are part of the Year 11 and Year 12 courses and must occupy a minimum of 35 hours of *each* course time, including time allocated to practical investigations in depth studies

What background and skills are recommended for this subject?

Students should have organisational skills, and like attention to detail. They should be familiar with the use of technology and be able to work to a deadline.

Are there additional requirements for this subject?

- At least one depth study must be included in *both* Year 11 and Year 12. A minimum of 15 hours of in-class time is allocated in both Year 11 and Year 12. A depth study provides flexibility for the students to investigate selected material at a deeper level. This may include a number of activities such as experimentation, fieldwork, researching, data analysis, report writing, portfolio creation, model building and problem solving.
- One fieldwork exercise must be completed in Year 11.

Are there any exclusions for this subject?

No

How will this course help me in the future?

The course provides the knowledge and skills required to study Biology after completing school and supports participation in a range of careers in biology and related interdisciplinary industries. It is a fundamental discipline that focuses on personal and public health and sustainability issues, and promotes an appreciation for the diversity of life on the Earth and its habitats. This course is recommended for many courses at university including Science, Health Sciences, Veterinary Sciences, Medicine, Agriculture, Forestry, Forensics, Marine Biology, Environmental Science, Physiotherapy, Forensic, Biochemistry and Education or TAFE including Laboratory Technician, Animal Technician.

ATAR

BUSINESS STUDIES

UNITS OF STUDY: 2 Units

What will I do in this subject?

Business Studies investigates the role, operations and management of business and the role and responsibilities of business in our society. Factors in the establishment, operation and management of a small business are integral to this course. Students also consider the role of the global business environment and its impact on Australian business.

The Preliminary course covers:

- *Nature of Business* (30% course time) – the nature and role of business
- *Business Management* (30% course time) – business management theory and change
- *Business Planning* (40% course time) –issues and steps in establishing and maintaining a business.

The HSC course covers:

- *Operations* (25% course time) – The role of operations
- *Finance* (25% course time) – financial management for success in business
- *Marketing* (25% course time) – the nature and role of marketing for business
- *Human Resources* (25% course time) – the nature of effective employment relations in business.

What skills will I gain from this subject?

Students will gain an understanding of how businesses operate and the factors affecting the business environment. They will develop skills to assist then in participating effectively in the business environment and in dealing with issues that arise from business activities that impact their lives.

Students will also develop an ability to interpret and communicate business information in appropriate formats. They will develop research and independent learning skills in addition to analytical and problem solving competencies through their **Business Plan Assessment Task,** undertaken in the Preliminary course.

How much practical/theory work is in this subject?

This subject is primarily theoretical; however, students are required to conduct a business plan for a new business. Excursions occur where appropriate to analyse and see how businesses function in the real world. This allows students to see a range of differing businesses (Case Studies) and their effects in the economy.

What background and skills are recommended for this subject?

Analytical skills, essay writing skills, critical thinking.

Are there additional requirements for this subject?

The additional requirements will be excursions allowing students to see the operations of businesses in the economy. These businesses will be used to supplement work in the class room and be used as case studies to support the theory.

Is there any exclusion for this subject?

No.

How will this course help me in the future?

The study of Business Studies provides students with knowledge, understanding and skills that form a valuable foundation for a range of courses at university and TAFE NSW such as Commerce, Business and Law, as well as in the workforce and everyday life. There are opportunities for students to gain credit transfer in certificate and diploma courses at TAFE NSW. Business Studies helps to prepare students for employment and full and active participation as citizens. Career opportunities may include Accountancy, Business Management, Marketing, Financial Administration, Teaching, Employment Relations and Communications.

ATAR

CHEMISTRY

UNITS OF STUDY: 2 Units

What will I do in this subject?

The study of Chemistry in Stage 6 enables students to develop an appreciation and understanding of materials and their properties, structures, interactions and related applications. Through applying *Working Scientifically* skills processes, the course aims to examine how chemical theories, models and practices are used and developed.

The Year 11 course develops knowledge and understanding of the fundamentals of chemistry and of the trends and driving forces in chemical interactions.	**The Year 12 course** builds upon the Preliminary course. Students develop knowledge and understanding of equilibrium and acid reactions and of the applications of chemistry.
Preliminary Course (120 hours)	HSC Course (120 hours)
• *Properties and Structure of Matter* • *Introduction to Quantitative Chemistry* • *Reactive Chemistry* • *Drivers of reactions*	• *Equilibrium and Acid Reactions* • *Acid/base reactions* • *Organic Chemistry* • *Applying Chemical Ideas*

What skills will I gain from this subject?

The course further develops an understanding of chemistry through the application of Working Scientifically skills. It focuses on the exploration of models, understanding of theories and laws, and examination of the interconnectedness between seemingly dissimilar phenomena.

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are an essential part of the Year 11 and Year 12course and must occupy a minimum of 35 hours of *each* course time, including time allocated to practical investigations in depth studies

What background and skills are recommended for this subject?

Following laboratory procedures, using laboratory apparatus, research skills, interest in detailed investigation, graph work, problem solving. It requires students to use their imagination to visualise the dynamic, minuscule world of atoms in order to gain a better understanding of how chemicals interact.

Are there additional requirements for this subject?

At least one depth study must be included in *both* Year 11 and Year 12. A minimum of 15 hours of in-class time is allocated in both Year 11 and Year 12. A depth study provides flexibility for the students, either independently or collaboratively, to investigate selected material at a deeper level. This may include a number of activities such as experimentation, fieldwork, researching, data analysis, report writing, portfolio creation, model building and problem solving.

Are there any exclusions for this subject?

No

How will this course help me in the future?

The course provides the foundation knowledge and skills required to study chemistry after completing school, and supports participation in a range of careers in chemistry and related interdisciplinary industries. It is an essential discipline that currently addresses and will continue to address our energy needs and uses, the development of new materials, and sustainability issues as they arise. This course is highly recommended for many science based courses at university including Science, Pharmacy, Engineering, Medicine, Health Sciences, Food Technology, Forensics, Environmental Science, Education and Physiotherapy.

ATAR

ECONOMICS

UNITS OF STUDY: 2 Units

What will I do in this subject?

Economics provides an understanding of many aspects of the economy and its operation. It investigates issues such as why unemployment or inflation rates change and how these changes impact on individuals in society. Students will develop a knowledge and understanding of the operation of the global and Australian economy.

The Preliminary course will consist of:

- *Introduction to Economics* (10%) – the need for choice by individuals, businesses and governments and how their decisions determine the nature of the economy and create the diversity of economies found in the world.
- *Consumers and Business* (10%) – how consumers and businesses make decisions about the choices they face, recognising their motivations in a market economy.
- *Markets* (20%) - role of markets, demand, supply and competition.
- *Labour Markets* (20%) – workers and the role of labour in the economy, as well as consequences and impacts of unemployment on the economy and contemporary institutions and outcomes of the labour market.
- *Financial Markets* (20%) - Financial markets in Australia, including the share market, as well as government and international forces in markets and their impact on the economy and different types of markets and the influence of the Reserve Bank of Australia on interest rates.
- *Government and the Economy* (20%) – the role of government in a mixed economy. The main concepts are management of the economy, and problems and issues arising from the free operation of markets.

The HSC course will consist of:

- *The Global Economy* (25%) - the operation of the global economy and the impact of globalisation on individual economies.
- *Australia's Place in the Global Economy* (25%) – Australia's place in the global economy and the effect of changes in the global economy on Australia.
- *Economic Issues* (25%) – the nature, causes and consequences of the economic issues and problems that can confront contemporary economies. Issues include economic growth, unemployment and inflation.
- *Economic Policies and Management* (25%) – range of economic policies, and the aims and operation of economic policies in the Australian economy and hypothetical situations.

What skills will I gain from this subject?

Economics develops students' knowledge and understanding of the operation of the global and Australian economy. It develops the analytical, problem–solving and communication skills of students.

How much practical/theory work is in this subject?

There is a strong emphasis on problems and issues but no practical work. Theory work is mostly aimed at addressing these problems and issues and applying theory to current economic issues.

What background and skills are recommended for this subject?

The ability to write extended responses, respond to stimuli in a logical manner, analytical skills, mathematical skills, as well as logic and evaluative skills.

Are there additional requirements for this subject? No

Are there any exclusions for this subject? There are no exclusions from this subject.

How will this course help me in the future?

Economics is recommended for study for anyone contemplating a career in accounting, business, industrial relations, managerial, advertising, marketing, real estate, politics and administration. The course is a good background for many TAFE NSW and university courses.

ATAR

ENGINEERING STUDIES

UNITS OF STUDY: 2 Units

What will I do in this subject?

This course offers students' knowledge, understanding and skills in aspects of engineering that include communication, engineering mechanics/hydraulics, engineering materials, historical/societal influences, engineering electricity/electronics and the scope of the engineering profession.

Preliminary Course

Students undertake study in the following modules of engineering:

- Engineering fundamentals
- Braking systems
- Engineered products
- Biomedical engineering

HSC Course

Students undertake study in the following modules of engineering:

- Civil Structures
- Personal & Public Transport
- Aeronautical Engineering
- Telecommunications

What skills will I gain from this subject?

Understanding the scope of engineering and the role of the engineer

- Understanding engineering principles and appreciate the responsibilities of engineers in society
- Communication skills, including being able to use engineering reports and drawings
- Understand the developments in technology and appreciate their influence on people and engineering practice
- Apply management and problem solving skills in an engineering context
- Application of engineering methodology

How much practical/theory work is in this subject?

This course will be conducted primarily in a computer or theory room with researching, graphics, model making, experimentation and testing included as engaging practical tasks.

What background and skills are recommended for this subject?

It is highly recommended that students who intend to study this subject should have studied some of the following subjects in Stage 5 or will be studying in the Stage 6 curriculum:

- Science
- Chemistry
- Mathematics Advanced
- Physics

Are there additional requirements for this subject?

Some excursions may be conducted throughout the course and these will be mandatory.

Are there any exclusions for this subject?

No

How will this course help me in the future?

This course when studied in conjunction with other high level mathematics and science courses provides a sound basis for a variety of university courses. This can lead to a future career as an engineer in many fields – an occupation experiencing a serious skills shortage at the present time. It can also lead to other professional or vocational employment.

ATAR

ENGLISH ADVANCED

UNITS OF STUDY: 2 Units

What will I do in this subject?

The study of English provides opportunities for students to explore, respond to and compose a wide variety of texts in a range of contexts. Students study the language forms and processes by which meaning is created.

In the Preliminary course you will study:

- A mandatory first module: *Reading to Write* to develop your skills to respond to texts and refine your writing
- Two Modules comprised of a module entitled *Narratives that Shape Our World* and *A Critical Study of Literature*.

In the HSC course you will study:

- A common mandatory first module: *Texts and Human Experiences*
- Three Modules: *Textual Conversations*; *Critical Study of Literature*; and *The Craft of Writing*.

What skills will I gain from this subject?

You will gain numerous valuable and highly transferable skills, including:

- Effective communication skills, both oral and written
- Writing for a variety of purposes and audiences
- Ability to analyse how meaning is created in texts
- Opportunities to work independently and as part of a group
- Critical thinking skills
- Ability to think creatively and reflectively
- Understand ideas/texts from a range of perspectives
- Research skills
- Ability to evaluate and use different technologies
- An appreciation of literature and our cultural heritage

How much practical/theory work is in this subject?

The majority of the work undertaken in English is theoretical and involves the close study of ideas and texts in various contexts. Students will apply these ideas to practical/oral and written tasks.

What background and skills are recommended for this subject?

Students attempting Advanced English must have achieved an 'A' or 'B' grade in Year 10 English. In addition, they must have an interest in reading and in the close study of literature.

Are there additional requirements for this subject?

Students not meeting basic prerequisites for success in this course will be advised in writing by the end of Term 1.

Are there any exclusions for this subject?

No

How will this course help me in the future?

Both employment and further education require high level written and oral communication skills. Most employers look first to English as an indicator of these skills. The study of English, with its emphasis on critical and interpretive skills, prepares students well for further studies at TAFE or University. Students who study the Advanced English course will be well prepared for further study of English and related disciplines at university, in particular the study of law, journalism, teaching and communication courses.

ATAR

ENGLISH STANDARD

UNITS OF STUDY: 2 Units

What will I do in this subject?

The study of English provides opportunities for students to explore, respond to and compose a wide variety of texts in a range of contexts. Students study the language forms and processes by which meaning is created.

In the Preliminary course you will study:

- A mandatory first module: *Reading to Write* to develop your skills to respond to texts and refine their writing
- Two Modules comprised of a module entitled *Contemporary Possibilities* and *A Close Study of Literature*.

In the HSC course you will study:

- A common mandatory first module: *Texts and Human Experiences*
- Three Modules: *Language, Culture and Identity*; *Close Study of Literature*; and *The Craft of Writing*.

What skills will I gain from this subject?

You will gain numerous valuable and highly transferable skills, including:

- Effective communication skills, both oral and written
- Writing for a variety of purposes and audiences
- Ability to analyse how meaning is created in texts
- Opportunities to work independently and as part of a group
- Critical thinking skills
- Ability to think creatively and reflectively
- Understand ideas/texts from a range of perspectives
- Research skills
- Ability to evaluate and use different technologies
- An appreciation of literature and our cultural heritage.

How much practical/theory work is in this subject?

The majority of the work undertaken in English is theoretical and involves the close study of ideas and texts in various contexts. Students will apply these ideas to practical, oral and written tasks.

What background and skills are recommended for this subject?

English is the only compulsory subject. Stage 5 English provides the background required for the study of English at the Higher School Certificate level.

Are there additional requirements for this subject?

No

Are there any exclusions for this subject?

No

How will this course help me in the future?

Both employment and further education require high level written and oral communication skills. Most employers look first to English as an indicator of these skills. The study of English, with its emphasis on critical and interpretive skills, prepares students well for further studies at TAFE or University.

NON ATAR or ATAR

ENGLISH STUDIES

UNITS OF STUDY: 2 Units

What will I do in this subject?

English Studies is designed to support students in developing proficiency in English to enhance their personal, social and vocational lives. It offers a comprehensive language experience that is reflected in the modes of reading, writing, speaking, listening, viewing and representing. Since 2019, English Studies is a Board Developed Course, and will have an optional HSC exam for those who wish to receive an ATAR.

In the Preliminary course you will study:

Mandatory module – Achieving through English – English in education, work and community
An additional 2–4 modules to be studied

In the HSC course you will study:

Mandatory common module – Texts and Human Experiences
An additional 2–4 modules to be studied

What skills will I gain from this subject?

This course is designed to meet the specific needs of students who wish to refine their skills and knowledge in English and consolidate their literacy skills. The English Studies course provides students with opportunities to become competent, confident and engaged communicators and to study and enjoy a breadth and variety of texts. Students explore the ideas, values, language forms, features and structures of texts in a range of personal, social, cultural, academic, community and workplace contexts. The English Studies course also provides diverse approaches to texts so that students may become flexible and critical thinkers, capable of engaging with, understanding and appreciating the variety of cultural heritages and differences that make up Australian and global societies. Such skills form the basis of sound practices of investigation and analysis required for adult life, including the worlds of work as well as post-school training and education.

How much practical/theory work is in this subject?

Students will engage in a wide variety of practical writing and speaking skills throughout the course. The focus is always on improving the language skills of students.

What background and skills are recommended for this subject?

It is a recommended course of study particularly for those students who achieved an 'E' grade for Year 10 English. English Studies addresses the needs of students who wish to complete and be awarded a Higher School Certificate but who are seeking an alternative to the current Standard English course.

Are there additional requirements for this subject?

No

Are there any exclusions for this subject?

No.

How will this course help me in the future?

Both employment and further education require high level written and oral communication skills. Most employers look first to English as an indicator of these skills. English Studies, with its emphasis on critical and interpretive skills, and English in society, prepares students well for further studies at TAFE or to move on to employment.

ATAR

ENGLISH AS AN ADDITIONAL LANGAUGE OR DIALECT (EAL/D)

UNITS OF STUDY: **2 Units**

What will I do in this subject?

The study of EAL/D English provides opportunities for students to acquire and develop English language skills in the context of their study, as well as an understanding of the ways meaning is created in a variety of texts. The emphasis is on providing students with opportunities to become effective communicators.

In the Preliminary course you will study:

- Three Modules: *Language and Texts in Context, Close Study of Text* and *Texts and Society.*

In the HSC course you will study:

- Three Modules: *Texts and Human Experiences, Language, Identity and Culture* and *Close Study of Text*
- An additional module entitled *Focus on Writing* studied concurrently with the above modules.

What skills will I gain from this subject?

You will gain numerous and highly transferable skills:

- Express yourself competently at both the sentence and paragraph level of written communication
- Communicate confidently in a wide range of spoken situations
- Write in a variety of forms ranging from informal, personal writing to formal, academic writing
- Understand how texts are constructed and create meaning
- Access information and share it in small and large groups in various forms of presentations.

How much practical/theory work is in this subject?

While the study of language forms and features and the close study of literature involve considerable theory, students will engage in a wide variety of practical writing and speaking skills throughout the course. The focus is always on improving the language skills of EAL/D students.

What background and skills are recommended for this subject?

This course is designed for students who have been educated using English as the language of instruction for **five years or less** prior to the start of Year 11.

Are there additional requirements for this subject?

No

Are there any exclusions for this subject?

English Advanced; English Standard; English Extension 1 and 2.

How will this course help me in the future?

Students will be better equipped in literacy skills to enable them to approach, with confidence, the demands of the HSC course. Improved skills in written and oral communication will allow students to meet requirements for further study at TAFE or University or to enter the workplace.

ATAR

ENGLISH EXTENSION COURSES

UNITS OF STUDY: **1 Unit Preliminary Extension course**
1 Unit HSC Extension course 1
1 Unit HSC Extension course 2

PREREQUISITES **English Advanced Course**
Preliminary Extension before HSC Extension 1
HSC Extension 1 before HSC Extension 2

What will I do in this subject?

Students explore how and why texts are valued in and appropriated into a range of contexts. They consider why some texts may be considered culturally significant through the study of ways in which texts are valued.

They will study one module – *Texts, Culture and Value*, which requires students to study a number of key texts from the past and their appropriation into popular culture.

The HSC Extension 1 course requires students to complete the common module *Literary Worlds*. Students study three prescribed texts and a variety of related texts.

The HSC Extension 2 course requires students to complete a Major Work through an independent investigation.

What skills will I gain from this subject?

You will gain skills in:

- Independent investigation
- Analytical thinking and understanding of complex ideas
- Sustained composition.

How much practical/theory work is in this subject?

Most of the work is of a theoretical nature. Students will apply concepts and skills in a practical way through their own reading, independent investigation and oral/written presentations.

What background and skills are recommended for this subject?

An 'A' grade in Year 10 English and a strong interest in reading and the academic study of literature are essential background for this course.

Are there additional requirements for this subject?

Must be studying Advanced English.
Preliminary Extension is a pre-requisite for HSC Extension 1
HSC Extension 1 is a co-requisite for HSC Extension 2
Students not meeting basic pre-requisites for success in this course will be advised in writing by the end of Term 1.

Are there any exclusions for this subject?

English Standard
English ESL
Fundamentals of English

How will this course help me in the future?

The analytical nature of the course prepares students well for tertiary study, especially for courses in communication, law, journalism, media and teaching.

ATAR

FOOD TECHNOLOGY

$100

UNITS OF STUDY: 2 Units

What will I do in this subject?
Food Technology refers to knowledge and activities that relate to meeting food needs and wants. The provision and consumption of food are significant activities of human endeavour, with vast resources being expended across domestic, commercial and industrial settings. Food issues have a constant relevance to life.

The factors that influence food availability and selection are examined in Food Technology and current food consumption patterns in Australia investigated. Food handling is addressed with emphasis on ensuring safety and managing the sensory characteristics and functional properties of food to produce a quality product. The role of nutrition in contributing to the health of the individual and the social and economic future of Australia is explored. The structure of the Australian food industry is outlined and the operations of one organisation investigated. Production and processing practices are examined and their impact evaluated. The activities that support food product development are identified and the process applied in the development of a food product. Contemporary nutrition issues are raised, investigated and debated. This knowledge enables students to make informed responses to changes in the production to consumption continuum and exert an influence on future developments in the food industry as educated citizens and in their future careers.

The Preliminary course covers:

- *Food Availability and Selection (30%)*
- *Food Quality (40%)*
- *Nutrition (30%)*

The HSC Course includes:

- *The Australian Food Industry (25%)*
- *Food Manufacture (25%)*
- *Food Product Development (25%)*
- *Contemporary Nutrition Issues (25%)*

What skills will I gain from this subject?
In the Food Technology course you will gain skills in:

- Planning, preparing and presenting foods.
- Conducting experiments/investigation on foods.

How much practical/theory work is in this subject?
Practical skills are integrated throughout the content areas.

What background and skills are recommended for this subject? None are essential; however, a subject fee applies due to the nature of the practical experiences\experiments.

Are there any exclusions for this subject?
Nil

How will this course help me in the future?
Students who successfully complete Food Technology will be competent, confident and discriminating users of food technology and nutrition. They will be well prepared to pursue further education and employment across a wide range of courses and careers particularly in the sphere of Nutrition, Food Technology and the Australian Food Industry.

ATAR

GEOGRAPHY

UNITS OF STUDY: 2 Units

What will I do in this subject?

This course provides students with an understanding and appreciation of the world in which we live and the impacts humans are having on the world and each other. Students investigate the unique characteristics of our world through case studies, fieldwork, geographical skills and contemporary geographical issues.

Preliminary Course:

- Unit 1. *Biophysical Interactions* – A study of the functioning and interaction of the four components of the biophysical environment, and the impact humans have on the natural world. A case study of a biophysical environment is included.
- Unit 2. *Global Challenges* – The geographical study of the social, cultural, political, economic and environmental challenges occurring at the global scale. Includes a study of Population Geography: an examination of the changing rate and distribution of the world's population.
- Unit 3. *Senior Geography Project* - students research a geographical topic of their own interest, completing independent fieldwork, presenting their findings.

HSC Course:

- Unit 1: *Ecosystems at Risk* – Investigation of the components of an ecosystem and factors which make them vulnerable. Two different ecosystems and their functioning are studied.
- Unit 2: *Urban Places* - The nature and distribution of world and mega cities including case studies of London and Mexico City. Investigation of urban dynamics and their contribution to the development of cities using Sydney as a case study.
- Unit 3: *People and Economic Activity* – This topic investigates an example of an economic activity at both a global and local level. Individual examples examined may include the global tourism industry, viticulture and wine making, coffee production or chocolate.

What skills will I gain from this subject?

Students will learn to investigate and communicate geographically and are given opportunities to develop informed and responsible values and attitudes towards ecological sustainability, as well as active and informed citizenship. Ethical research practices are also developed.

How much practical/theory work is in this subject?

Students must complete assessments including fieldwork, reports, short answer questions, calculation exercises, comprehension exercises, oral tasks, research assignments, web research, analysis tasks and geographical skills work.

What background and skills are recommended for this subject?

This subject is recommended for students interested in the world's environments including its people, along with students concerned with analysing geographical issues, questions and problems. A basic understanding of the skills taught in the mandatory Stage 4 and 5 Geography course is assumed.

Are there additional requirements for this subject?

There is a compulsory geography research task (SGP) in the Preliminary Course along with excursions. 24 hours of fieldwork is a mandatory component of this course.

Are there any exclusions for this subject?

There are no exclusions for this subject.

How will this course help me in the future?

Geography gives us a broad range of skills to interpret the world around us. It makes us aware and tolerant of the different communities in the world, helping us enjoy the wonders of nature whilst understanding the negative and positive impacts we, as humans, can have on our environments. Studying Geography will benefit all careers including Law, Tourism and Business.

ATAR

INFORMATION PROCESSES AND TECHNOLOGY (IPT)

$25

UNITS OF STUDY: 2 Units

What will I do in this subject?

IPT is the study of computer based information systems. It focuses on information processes performed by these systems and the information technology that allows them to take place. Social, ethical and non-computer procedures are considered and different types of information systems are studied.

The Preliminary course covers:

- *Introduction to Information Skills and Systems (20%):* information systems in context; information processes; digital representation of data; classification of information systems; social and ethical issues
- *Tools for Information processes (50%):* collecting; organizing; analyzing; storing and retrieving; processing; transmitting and receiving; displaying
- *Planning, Design and Implementation (30%):* understanding the problem to be solved; making decisions; designing solutions; implementing; testing, evaluating and maintaining; social and ethical issues.

The HSC Course includes:

- *Project Management* (20%): understanding the problem; making decisions; designing solutions; project management; social and ethical design; implementing; testing, evaluating and maintaining.
- *Information Systems and Databases* (20%): information systems; examples of database information systems; organisation methods; storage and retrieval; other information processes; issues related to information systems.
- *Communication Systems* (20%): characteristics and examples of communication systems; transmitting and receiving; other information processes; issues related to communication systems.
- *Option Strands* (40%): Students will learn about two of the following options: Transaction Processing Systems; Decision Support Systems; Automated Manufacturing Systems and Multimedia Systems

What skills will I gain from this subject?

In the IPT course you will gain skills in:

- the selection and ethical use of appropriate resources and tools to develop information systems
- creative and methodical planning, design and implementation of information systems to address needs
- management, communication and teamwork in relation to individual and group activities.

How much practical/theory work is in this subject?

Practical and theory work are integrated throughout the course.

What background and skills are recommended for this subject?

Students find it easier to complete this course if they can arrange access to a computer and the Internet for extended periods of time outside the classroom. A subject fee applies.

Are there any exclusions for this subject?

IPT students may not use major works from one subject as their major work for another.

How will this course help me in the future?

Students who successfully complete IPT will be competent, confident and discriminating users of information processes and technology. They will be well prepared to pursue further education and employment across a wide range of courses and careers particularly in the sphere of Information Technology, Business Management and Project Management.

ATAR

INVESTIGATING SCIENCE

UNITS OF STUDY: 2 Units

What will I do in this subject?

The study of Investigating Science in Stage 6 enables students to develop an appreciation and understanding of science as a body of knowledge and a set of valuable processes that provide humans with an ability to understand themselves and the world in which they live.

The Year 11 course develops knowledge and understanding of cause and effect and of models, theories and laws	**The Year 12 course** builds upon the Preliminary course. Students develop knowledge and understanding of science and technology and of contemporary issues involving science
Preliminary Course (120 hours)	HSC Course (120 hours)
• *Cause and Effect – Observing* • *Cause and Effect – Inferences and Generalisations* • *Scientific Models* • *Theories and Laws*	• *Scientific Investigations* • *Technologies* • *Fact or Fallacy?* • *Science and Society*

What skills will I gain from this subject?

Through applying *Working Scientifically* skills processes, the course aims to enhance students' analytical and problem-solving skills, in order to make evidence-based decisions and engage with and positively participate in an ever-changing, interconnected technological world.

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are an essential part of the Year 11 and Year 12course and must occupy a minimum of 35 hours of *each* course time, including time allocated to practical investigations in depth studies

What background and skills are recommended for this subject?

Following laboratory procedures, using laboratory apparatus, research skills, interest in detailed investigation, graph work, problem solving.

Are there additional requirements for this subject?

At least one depth study must be included in *both* Year 11 and Year 12. A minimum of 30 hours of in-class time is allocated in both Year 11 and Year 12. A depth study provides flexibility for the students, either independently or collaboratively, to investigate selected material at a deeper level. This may include a number of activities such as experimentation, fieldwork, researching, data analysis, report writing, portfolio creation, model building and problem solving.

Are there any exclusions for this subject?

No

How will this course help me in the future?

Investigating Science encourages the development of a range of capabilities and capacities that enhance a student's ability to participate in all aspects of community life and within a fast-changing technological landscape. The knowledge, understanding and skills gained from this course are intended to support students' ongoing engagement with science, and to form the foundation for further studies and participation in current and emerging STEM-related post-school activities and industries. This course is highly recommended for all science based courses at university.

ATAR

LEGAL STUDIES

UNITS OF STUDY: 2 Units

What will I do in this subject?

The Preliminary course covers:

- *The Legal System* –An introduction to basic legal notions; sources; classifications and reform of the law; and law reform in action.
- *The Individual and the Law* –The issues of rights and responsibilities; resolving disputes; and contemporary issues in law including the individual and technology.
- *Law in Practice* –The Law in Practice unit is designed to provide opportunities for students to deepen their understanding of the principles of law covered in the first sections of the course.

The HSC course covers:

- *Crime*: The nature of crime; the criminal investigation process; the criminal trial process; sentencing and punishment; youth offenders; and international crime.
- *Human Rights*: The nature and development of human rights; promoting and enforcing human rights; and contemporary issues surrounding human rights.
- Options: Students are required to study TWO options from the following topics: *Consumers; Global Environmental Protection; Family; Indigenous Peoples; Shelter; Workplace* and *World Order*. The options will look at the role of the law in encouraging cooperation and resolving conflict in regard to the option, issues of compliance and non-compliance, laws relating to changing values and ethical standards, the role of law reform and the effectiveness of legal and non-legal responses in achieving justice.

What skills will I gain from this subject?

Students will develop skills in critical thinking and learn how to substantiate opinions with legal theory and fact in the form of legislation and case law. They will become more familiar with current events and be able to make informed evaluations of institutional structures in both the domestic and international environments. In addition, students will gain a broader vocabulary and knowledge of legal terminology. This course will give students the knowledge and confidence they need to approach and access the legal system independently. It will also give students an understanding of the basic principles, institutions, structures and processes within the legal system.

How much practical/theory work is in this subject?

Students are required to apply practical contemporary legal structures and legislation, media reports and case studies in written form. The majority of the course is undertaken based on theory work, however, there will be several excursions and activities which allow students to see the practical applications of the law.

What background and skills are recommended for this subject?

This course requires students to investigate, critically analyse and evaluate information in written form. Students should be proficient in writing sustained text and be familiar with the concept of justifying/substantiating opinions. Students must possess the ability to think independently and critically.

Are there additional requirements for this subject? No

Are there any exclusions for this subject? No

How will this course help me in the future?

This course is not designed to prepare students for further study in law, but rather, to develop their understanding and ability to participate in everyday life. This course is designed to foster intellectual, social and moral development by empowering students to think critically about the role of the law and legal institutions in society. Students who undertake this course will be more aware of their options and avenues to seek help should they need it, as well as informing them of a range of rights, responsibilities and entitlements. This course is useful in preparation for further study at university or TAFE in a range of areas and within employment.

ATAR

MATHEMATICS STANDARD

Preliminary Course

UNITS OF STUDY: 2 Units

What will I do in this subject?

- develop knowledge, understanding and skills in working mathematically and in communicating concisely and precisely
- opportunities to consider various applications of mathematics in a broad range of contemporary contexts through the use of mathematical modelling and use these models to solve problems related to present and future needs

The Preliminary course is divided into five components:

- ***Financial Mathematics****-earning and managing money, interest and depreciation, budgeting and household expenses*
- ***Data Analysis****-classifying and representing data, exploring and representing data*
- ***Measurement****-measurement and energy, perimeter, area and volume, time*
- ***Algebraic Modelling****-formulae and equations, linear relationships*
- ***Probability****-relative frequency and probability*

What skills will I gain from this subject?

- develop the ability to apply reasoning, and the use of appropriate language, in the evaluation and construction of arguments and the interpretation and use of models based on mathematical concepts
- develop the ability to use concepts and apply techniques to the solution of problems in algebra and modelling, measurement, financial mathematics, data and statistics, probability and networks
- develop the ability to use mathematical skills and techniques, aided by appropriate technology, to organise information and interpret practical situations
- develop the ability to interpret and communicate mathematics in a variety of written and verbal forms, including diagrams and graphs.

How much practical/theory work is in this subject?

A hands-on approach is recommended in this course and practical activities are undertaken where appropriate. The use of technologies such as MS-Excel and computer tools such as Geogebra is emphasised.

What background and skills are recommended for this subject?

This course is recommended for those students who have completed Stage 5.1 or Stage 5.2 in Year 10.

Are there additional requirements for this subject?

No

Are there any exclusions for this subject?

No

How will this course help me in the future?

This course provides a strong foundation for a broad range of vocational pathways, as well as for a range of university courses.

ATAR

MATHEMATICS STANDARD 2

HSC Course

Preliminary Mathematics Standard (2 units) ATAR ——— Pathway ——→ HSC Mathematics Standard 2 (2 units) ATAR

UNITS OF STUDY: **2 Units**

What will I do in this subject?

- develop knowledge, understanding and skills in working mathematically and in communicating concisely and precisely
- provides opportunities to consider various applications of mathematics in a broad range of contemporary contexts through the use of mathematical modelling and use these models to solve problems related to their present and future needs
- provides opportunities to develop an understanding of and skills in further aspects of mathematics for concurrent HSC studies

The HSC course is divided into five components:

- ***Financial Mathematics****- investments, loans, annuities*
- ***Data Analysis****- normal distribution, bivariate data*
- ***Measurement****-right- angled and non-right-angled trigonometry, rates, and ratios*
- ***Algebraic Modelling*** *-non-linear relationships, simultaneous linear equations*
- ***Networks****-concepts and critical path analysis*

What skills will I gain from this subject?

- develop the ability to apply reasoning, and the use of appropriate language, in the evaluation and construction of arguments and the interpretation and use of models based on mathematical concepts
- develop the ability to use concepts and apply techniques to the solution of problems in algebra and modeling, measurement, financial mathematics, data and statistics, probability and networks
- develop the ability to use mathematical skills and techniques, aided by appropriate technology, to organize information and interpret practical situations
- develop the ability to interpret and communicate mathematics in a variety of written and verbal forms, including diagrams and graphs.

How much practical/theory work is in this subject?

A hands-on approach is recommended in this course and practical activities are undertaken where appropriate. Strong use of technologies such as MS-Excel and computer tools such as Geogebra is emphasised.

How will this course help me in the future?

Offers the opportunity to prepare for a wide range of educational and employment aspirations, including continuing studies at a tertiary level.

ATAR

MATHEMATICS ADVANCED

UNITS OF STUDY: **2 Units**

What will I do in this subject?

- develop knowledge, understanding and skills in mathematics and working mathematically.
- develop ways of thinking and use mathematics as a powerful way of viewing and modeling the world to investigate patterns, order, generality and uncertainty.

Topics covered are:

- *Logarithmic and Exponential Functions*
- *Algebra;*
- *Functions and graphs;*
- *Trigonometry;*
- *Probability;*
- *Motion and rates*
- *Series and finance*
- *Calculus and Integration*
- *Displaying and interpreting data*

What skills will I gain from this subject?

- develop the ability to use mathematical concepts and skills and apply complex techniques to the modelling and solution of problems in algebra and functions, measurement, financial mathematics, calculus, data, statistics and probability
- develop the ability to use advanced mathematical models and techniques, aided by appropriate technology, to organise information, investigate, model and solve problems and interpret a variety of practical situations
- develop the ability to interpret and communicate mathematics logically and concisely in a variety of forms.

How much practical/theory work is in this subject?

This course is based on theory mainly

What background and skills are recommended for this subject?

Students selecting this course should have completed Stage 5.2/5.3 pathway in Year 10 and gained at least an A-B grade. Students should have a high level of achievement in algebra and algebraic techniques.

Are there additional requirements for this subject?

No

Are there any exclusions for this subject?

Preliminary Mathematics Standard

How will this course help me in the future?

- provides a basis for further studies in disciplines in which mathematics and the skills that constitute thinking mathematically have an important role
- provides an appropriate mathematical background for students whose future pathways may involve mathematics and its applications in a range of disciplines at the tertiary level

ATAR

MATHEMATICS Extension 1

UNITS OF STUDY: 1 Unit

What will I do in this subject?

- opportunity to develop rigorous mathematical arguments and proofs, and to use mathematical models extensively
- opportunity to develop awareness of the interconnected nature of mathematics, its beauty and its functionality

Topics covered are:

- further graphs
- polynomials
- extending calculus
- combinatorics
- trigonometry
- mathematica induction
- vectors
- displaying and interpreting data
- continuous probability distributions
- projectile motion
- integration

What skills will I gain from this subject?

- develop efficient strategies to solve problems using pattern recognition, generalization, proof and modelling techniques
- develop the ability to use concepts and skills and apply complex techniques to the solution of problems and modelling in the areas of trigonometry, functions, calculus, proof, vectors and statistical analysis
- use technology effectively and apply critical thinking to recognise appropriate times for such use
- develop the ability to interpret, justify and communicate mathematics in a variety of forms.

How much practical/theory work is in this subject?

This course is heavily based on theory and mathematical proofs.

What background and skills are recommended for this subject?

Students selecting this course must have completed the Stage 5.3 pathway in Year 10 and gained a high grade or completed the Advanced HSC Course and gained a strong assessment performance.

Are there additional requirements for this subject?

This course must be studied with the Mathematics Advanced course.
Preliminary Mathematics Extension 1 is a pre-requisite for HSC Mathematics Extension 2 (Year 12 only).

Are there any exclusions for this subject?

Mathematics Standard 1 or 2

How will this course help me in the future?

- provides a basis for progression to further study in mathematics or related disciplines and in which mathematics has a vital role at a tertiary level.
- provides an appropriate mathematical background for students whose future pathways may involve mathematics and its applications in such areas as science, engineering, finance and economics.

ATAR

MATHEMATICS Extension 2

UNITS OF STUDY: 1 Unit

What will I do in this subject?
Students will be given the opportunity to;

- develop strong mathematical manipulative skills and a deep understanding of the fundamental ideas of algebra and calculus,
- appreciate mathematics as an activity with its own intrinsic value, involving invention, intuition and exploration.
- extend students' conceptual knowledge and understanding through exploration of new areas of mathematics not previously seen.

Topics covered are: *complex numbers, proofs, vectors, integration, mechanics*

What skills will I gain from this subject?

- develop efficient strategies to solve complex problems using pattern recognition, generalisation, proof and modelling techniques
- develop their knowledge, skills and understanding to model and solve complex and interconnected problems in the areas of proof, vectors and mechanics, calculus and complex numbers
- develop their problem-solving and reasoning skills to create appropriate mathematical models in a variety of forms and apply these to difficult unstructured problems
- use mathematics as an effective means of communication and justification in complex situations.

How much practical/theory work is in this subject?
This course is heavily based on theory and mathematical proofs.

What background and skills are recommended for this subject?
Students selecting this course must have completed the 2-unit Mathematics Course and gained a strong assessment performance.

Are there additional requirements for this subject?
This course must be studied after successful completion of Mathematics 2-unit Course.
Preliminary Mathematics Extension 1 is a pre-requisite for HSC Mathematics Extension 2 (Year 12 only).

Upon taking Mathematics Extension 2, Mathematics Extension 1 will be counted as 2 Units for HSC. The Mathematics Course will be omitted in HSC requirement calculation. This is only available to College 2 students.

Are there any exclusions for this subject?
No

How will this course help me in the future?
Mathematics Extension 2 provides a basis for a wide range of useful applications of mathematics as well as a strong foundation for further study of the subject at tertiary level.

ATAR

MODERN HISTORY

UNITS OF STUDY: 2 Units

What will I do in this subject?

The Modern History course is designed to help students understand the current global division of wealth and power, as well as ongoing conflicts, by examining selected major events and developments from the past two centuries.

Preliminary Course:

- Part 1: *Investigating Modern History*
  - (a) *The Nature of Modern History*
  - (b) *Case studies* e.g. The American Civil War, The Origins of the Arab-Israeli Conflict
- Part 2: *The Shaping of the Modern World* e.g. World War I, The French Revolution
- Part 3: *Historical Investigation* - allows for individual or group investigation, research and presentation.

HSC Course:

- Part I: Core – *Power and Authority in the Modern World 1919-1946* - 25%
- Part II: *National Studies* e.g. Russia and the Soviet Union 1917-1941, USA 1919-1941 - 25%
- Part III: *Peace and Conflict* e.g. The Arab-Israeli Conflict 1948-1996 - 25%
- Part IV: *Change in the Modern World* e.g. Apartheid in South Africa 1960-1994, Civil Rights in the USA 1945-1968 - 25%

What skills will I gain from this subject?

The Modern History program is designed to develop students' research, analysis and writing skills which are essential life and vocational skills. The students will enhance their ability to interpret information and deconstruct text, making them a more discerning consumer of information.

How much practical/theory work is in this subject?

Practical work involves historical investigation and research throughout all topics. Tasks for assessment include research assignments, oral presentations, evidence analysis and class based examinations.

What background and skills are recommended for this subject?

This subject is recommended for students interested in developing their powers of deduction and reasoning to make sense of an increasingly complex global society. Modern History challenges students to consider the great social, technological, economic, political and moral transformations from the late eighteenth century to the present. An understanding of the historical skills taught in the mandatory Stage 4 and 5 History course is assumed.

Are there additional requirements for this subject?

There are none for this course.

Are there any exclusions for this subject?

There are no exclusions for this subject.

How will this course help me in the future?

Skills developed in this course will be useful in tertiary education as well as the professional and commercial world. They are applicable to Law, Teaching, Medicine, Communication, Social Work and Journalism. Studying Modern History will provide critical and reflective thinking skills that are essential for effective participation in work, higher learning and the broader community.

ATAR

MUSIC COURSE 1

$100

UNITS OF STUDY: 2 Units

What will I do in this subject?

Students will perform, analyse, create and record music. They will analyse different topics and styles of music such as Rock, Popular Music, Jazz, Hip-Hop, Music of the 18th-21st centuries, Reggae, while referring to the various concepts of music.

Students can use any combination of the following for their electives:

- perform their choice of music
- compose their own style of music using computers & technology
- Musicology / Viva-Voce: discussing their choice of music topic, style or song.

What skills will I gain from this subject?

At the end of the course, students should be able to:

- perform at a high level of musicality and technique on their chosen instrument
- analyse and compare the different styles of contemporary music
- compose and record a piece in a variety of contemporary styles
- understand the historic development of contemporary music from jazz to modern pop and rock.

How much practical/theory work is in this subject?

25% performance
25% composition
25% aural
25% musicology

What background and skills are recommended for this subject?

Having prior musical experience is an advantage, but not a necessity.

Are there additional requirements for this subject?

No additional requirements.

Are there any exclusions for this subject?

Music Course 2

How will this course help me in the future?

Music 1 provides many of the skills required in the diverse fields of the Music Industry. Students may progress into music courses at TAFE or University with a good foundation of knowledge and practical skills. Music also provides knowledge and skills to enhance enjoyment of everyday life.

ATAR

PERSONAL DEVELOPMENT/HEALTH/ PHYSICAL EDUCATION (PDHPE)

UNITS OF STUDY: 2 Units

What will I do in this subject?

Personal Development, Health and Physical Education (PDHPE) is an integrated area of study that provides for the intellectual, social, emotional, physical, and spiritual development of students. It involves students learning about and practising ways of maintaining active, healthy lifestyles and improving their health status. It is also concerned with social and scientific understandings about movement, which lead to enhanced movement potential and appreciation of movement in their lives.

The syllabus includes a detailed study of movement and physical activity. The emphasis is on understanding how the body moves and the sociocultural influences that regulate movement. Scientific aspects to be studied include anatomy, physiology, biomechanics and skill acquisition. The syllabus also focuses on the health of individuals and communities and the factors that influence movement skill and physical activity levels.

Topics in Year 11 Preliminary include:

(Two Core 60%): *The Body in Motion; Better Health for Individuals*.
(Two Options 40%): *First Aid; Composition and Performance; Fitness Choices; Outdoor Recreation*.

Topics in Year 12 HSC include:

(Two Core 60%): *Factors Affecting Performance; Health Priorities in Australia*.
(Two Options 40%): *Sports Medicine; Improving Performance; The Health of Young People; Sport and Physical Activity in Australian Society; Equity and Health*.

What skills will I gain from this subject?

- An ability to apply the skills of critical thinking, research and analysis.
- Knowledge of the biomechanical factors that influence the efficiency of the body in motion.
- An ability to take action to improve participation and performance in physical activity.
- An ability to assess and monitor physical fitness levels and physical activity patterns.
- Develop strategies that promote healthy and active lifestyles and communities.
- A capacity to exercise influence over personal and community health outcomes.

How much practical/theory work is in this subject?

This course has a substantial theory component and all practical work directly relates to the theory work in class. Students will be given the opportunity to participate in the practical aspects of the course throughout the preliminary and HSC course.

What background and skills are recommended for this subject?

Students who select this subject should have a strong interest in PDHPE and human movement. Students who have a strong health and sporting interest would benefit from doing this course. This course is open to all serious students who want to expand their knowledge, skills and understanding in health and physical education.

Are there any additional requirements for this subject?

No

Are there any exclusions for this subject?

No

How will this course help me in the future?

This course is beneficial for those with career goals in Medical Science, Sports Coaching, Health Science, Nursing, PDHPE Teaching, Personal Training or with any interest in health and physical activity.

ATAR

PHYSICS

UNITS OF STUDY: 2 Units

What will I do in this subject?

The Physics course involves the study of matter and its motion through space and time, along with related concepts that include energy and force. Physics deals with the study of phenomena on scales of space and time – from nuclear particles and their interactions up to the size and age of the Universe. This allows students to better understand the physical world and how it works, appreciate the uniqueness of the Universe, and participate in navigating and influencing the future.

The Year 11 course develops knowledge and understanding of fundamental mechanics and of energy.	**The Year 12** course builds upon the Preliminary course. Students develop knowledge and understanding of advanced mechanics and electromagnetism and of the role of evidence and prediction in the development of theories in physics.
Preliminary Course (120 hours)	HSC Course (120 hours)
• *Kinematics* • *Dynamics* • *Waves and Thermodynamics* • *Electricity and Magnetism*	• *Advanced Mechanics* • *Electromagnetism* • *The Nature of Light* • *From the Universe to the Atom*

What skills will I gain from this subject?

The problem-solving nature of physics further develops students' *Working Scientifically* skills by focusing on the exploration of models and the analysis of theories and laws, which promotes an understanding of the connectedness of seemingly dissimilar phenomena

How much practical/theory work is in this subject?

Scientific investigations include both practical investigations and secondary-sourced investigations. Practical investigations are an essential part of the Year 11 and Year 12course and must occupy a minimum of 35 hours of *each* course time, including time allocated to practical investigations in depth studies

What background and skills are recommended for this subject?

Following laboratory procedures, using laboratory apparatus, research skills, interest in detailed investigation, graph work, problem solving. Proficient at Stage 5 Science and 5.3 Mathematics course is recommended.

Are there additional requirements for this subject?

At least one depth study must be included in *both* Year 11 and Year 12. A minimum of 15 hours of in-class time is allocated in both Year 11 and Year 12. A depth study provides flexibility for the students, either independently or collaboratively, to investigate selected material at a deeper level. This may include a number of activities such as experimentation, fieldwork, researching, data analysis, report writing, portfolio creation, model building and problem solving.

Are there any exclusions for this subject?

No

How will this course help me in the future?

The study of Physics provides the foundation knowledge and skills required to support participation in a range of careers. It is a discipline that utilises innovative and creative thinking to address new challenges, such as sustainability, energy efficiency and the creation of new materials. This course is highly recommended for many science based courses at university including Science, Engineering, Medicine, Health, Radiography, Sport Science, Education, or the Defence forces.

ATAR

SOFTWARE DESIGN AND DEVELOPMENT (SDD)

UNITS OF STUDY: 2 Units

What will I do in this subject?

SDD is the study of how software solutions are developed. The Preliminary course introduces you to the basic concepts of computer software design and development. It does this by looking at the different ways in which software can be developed, the tools that can be used to assist in this process and by considering the interaction between software and the other components of the computer system. The HSC course builds on the Preliminary course and involves the development and documentation of software using a variety of data structures and language facilities. This is achieved by learning how to solve a number of interesting and relevant software problems.

The Preliminary course covers:

- *Concepts and Issues in the Design and Development of Software* (30%)*:* social and ethical issues, hardware and software, software development approaches
- *Introduction to Software Development* (50%): defining and understanding the problem, planning and designing software solutions, implementing software solutions, testing and evaluating software solutions, maintaining software solutions
- *Developing Software Solutions* (20%).

The HSC Course includes:

- *Development and Impact of Software Solutions* (15%): Social and ethical issues, Application of software development approaches
- *Software Development Cycle* (40%): defining and understanding the problem, planning and designing software solutions, implementing software solutions, testing and evaluating software solutions, maintaining software solutions
- *Developing a Solution Package* (25%)
- *Options Strand* (20%): Students will study one of the following options: programming paradigms, the interrelationship between software and hardware.

What skills will I gain from this subject?

In the SDD course you will gain skills in:

- designing and developing software solutions
- management appropriate to the design and development of software solutions
- teamwork and communication associated with the design and development of software solutions.

How much practical/theory work is in this subject?

Practical and theory work are integrated throughout the course.

What background and skills are recommended for this subject?

Students find it easier to complete this course if they can arrange access to a computer and the Internet for extended periods of time outside the classroom. A subject fee applies.

Are there any exclusions for this subject?

SDD students may not use major works from one subject as their major work for another.

How will this course help me in the future?

Students who successfully complete SDD will be competent and confident in the development and understanding of software solutions. They will be well prepared to pursue further education and employment across a wide range of courses and careers particularly in the sphere of Information Technology, Computer Science and Project Management.

ATAR

VISUAL ARTS

$160

UNITS OF STUDY: 2 Units

What will I do in this subject?

Visual Arts involves students in both art making and art study.

DRAWING, PAINTING, DIGITAL PHOTOGRAPHY, VIDEO MAKING, SCULPTURE,
MODEL MAKING, PRINTMAKING TECHNIQUES.

In the Preliminary course students:

- make art works in a variety of media (e.g. drawing, painting, photography, video making, model making, sculpture, ceramics, printmaking, etc)
- critically and historically investigate artworks from all cultures and times.
- in addition, they keep a visual diary.

In the HSC course students:

- specialize and select media of their choice in which to complete artworks as part of a *Body of Work*
- in *Art Study* they also complete case studies about artists and artworks.

What skills will I gain from this subject?

Study of Visual Arts develops skills in critical thinking and problem solving. You will develop technical skills in a variety of art making processes. You will also enhance your own creativity to enable you to express yourself in a visual and written manner.

How much practical/theory work is in this subject?

Both preliminary and HSC courses are 50% making and 50% study.

What background and skills are recommended for this subject?

This course caters for students both with experience and with no previous experience in Visual Arts. It requires you to have an interest in both making and studying of art works.

Are there additional requirements for this subject?

You need to pay a course fee to cover the materials used in your art making. You may also need to attend excursions to art exhibitions in order to view original artworks in galleries and to prepare for case studies.

Are there any exclusions for this subject?

Work developed for assessment in any other subject must not be used in full or in part for assessment in Visual Arts e.g. digital imaging course.

How will this course help me in the future?

In Visual Arts you will develop skills and qualities that are relevant to many situations in the workplace and in further study. This course encourages you to become a critical consumer of contemporary visual culture in a world that is dominated by visual images. It may lead to post-school study at University or TAFE or vocational training in the context of the workplace. It prepares you for a career in Animation, Illustration, Design, Merchandising, Visual Communication, Artist, Media, Architecture, Advertising, Film, Television, Computer Graphics, Engineering, Computer Engineering, Interior Design, Town Planning, Teaching (primary and secondary) as well as many more.

BOARD ENDORSED COURSES

NON ATAR

CONTENT ENDORSED COURSES

THESE COURSES COUNT TOWARDS

THE PRELIMINARY AND HSC

BUT

<u>DO NOT</u> CONTRIBUTE TOWARDS AN ATAR

COURSES:

Sport, Lifestyle and Recreation Studies – 2 Units

Work Studies – 2 Units

NON ATAR

SPORT, LIFESTYLE AND RECREATION

UNITS OF STUDY: **2 Units**

What will I do in this subject?

The Sport, Lifestyle and Recreation Course includes various components relating to students developing an active and health promoting lifestyle. Depending on which components studied, students may be involved in a wide variety of physical and health activities including aquatics; fitness training; outdoor recreation; athletics; individual games and sports; team games and sports; resistance training; sports administration; health studies; and coaching.

This course places an emphasis on the development of practical skills, so students will be involved in activities that improve sporting ability, improve healthy lifestyles and enjoy various recreational and leisure pastimes. Students may be afforded the opportunity to gain certificates in *Senior Resuscitation, First Aid, Coaching Certificates* and *Referees Accreditations.* The development and evaluation of their own personal fitness will be assessed in various programs.

What skills will I gain from this subject?

- The ability to create training programs
- The development of movement skill and personal fitness
- Competence in a wide variety of sport and recreation contexts
- Self-esteem and general well-being
- The ability to make informed health decisions at a community and personal level.

How much practical/theory work is in this subject?

There is an emphasis on the development of practical skills but students must also develop the knowledge and understanding to improve these skills and promote a healthy lifestyle. The course involves 50% practical work and 50% theory work.

What background and skills are recommended for this subject?

This course is aimed at students who are enthusiastic about sport and recreational activities. They should be prepared to participate in demanding but enjoyable practical classes that will help develop their skills and fitness.

Are there additional requirements for this subject?

PE uniform must be brought to all practical lessons.

Are there any exclusions for this subject?

Nil

How will this course help me in the future?

Not only will you develop skills required to adapt an active and health-promoting lifestyle, students can gain accreditations that will help them in a variety of careers including Health Sciences, the sport industry, Coaching, Personal Training, PD/H/PE Teaching or any occupation with a physical component.

NON ATAR

WORK STUDIES

UNITS OF STUDY: 2 Units

What will I do in this subject?

This course aims to assist students to gain knowledge, skills, values and attitudes which will facilitate a successful school to work transition.

Course Structure:

Core studies are compulsory. Students must complete the Core Unit*: My Working Life.*

Course Modules

The course modules expand on the issues introduced in the core. Modules are selected by the teacher to suit the student group. The chosen modules may be studied in any sequence. The eleven course modules are: *In the Workplace; Preparing Job Applications; Workplace Communications; Teamwork and Enterprise Skills; Managing Work – Life Commitments; Personal Finance; Workplace Issues; Self-Employment; Experiencing Work; Team Enterprise Project; School-Developed Module.*

Note: Workplace learning programs are learning activities in real workplaces that help students to gain practical experience of work as well as learn industry and workplace skills as part of their studies. Students pay for travel to and from work which is unpaid. Department of Education and Training Insurance and Indemnity apply.

What skills will I gain from this subject?

Work Studies will assist students to recognise the links between education, training, work and lifestyle. It will develop students' skills in accessing work-related information, presenting themselves to potential employers, and functioning effectively in the workplace. Students will develop communication skills relevant to the workplace; skills in the major elements of the job-seeking process; decision making skills; workplace practice skills, procedures and conventions; researching, gathering, organising and presenting information skills.

How much practical/theory work is in this subject?

All modules studied in this course have a substantial amount of theory. Technology, via the Internet plays a pivotal role in accessing the most up to date information. Students spend one lesson per week in the computer room using the Internet and using basic computer programs (e.g. Word), thus developing skills in researching, organising, and presenting this information. There is also a strong practical component in this subject. Examples of practical work includes: job applications, letters, resume/portfolios, mock interview, work placement (including journal), research assignments, individual and group reports, oral reports and PowerPoint presentations.

What background and skills are recommended for this subject?

It is recommended that the student choosing this subject have self-management skills. This will assist the student to prioritise tasks and set achievable goals. In order to improve oneself and learn new skills, learning skills are also significant. Basic communication and technology skills are also recommended.

Are there additional requirements for this subject?

There are no additional requirements for this subject.

Are there any exclusions for this subject?

There are no exclusions for this subject.

How will this course help me in the future?

This course will assist students to prepare for further education, training and employment. The course helps to prepare students for continuous employment throughout their life span. This course provides students with a sequential program of learning to enable them to develop their knowledge and skills about themselves and the world of work. Students are presented with the opportunity to investigate careers, to learn about the workplace and the requirements needed in preparation for further education, training and work. The strong practical orientation of the course is intended to give students useful experiences against which to test their emerging career preferences. It also allows students to develop a range of skills and attitudes in the workplace.

Vocational Education and Training Courses

Vocational Education and Training (VET) courses are offered as part of the Higher School Certificate (HSC) or Record of School Achievement (RoSA). VET courses are designed to deliver workplace-specific skills and knowledge and cover a wide range of careers and industries. VET courses for secondary students are developed by NSW Educational Standards Authority (NESA) and are based on national training packages.

VET courses allow students to gain both HSC or RoSA qualifications and a national qualification or a statement of attainment recognised throughout Australian as part of the Australian Qualification Framework (AQF). These qualifications are widely recognised by industry, employers and tertiary training providers and universities and will assist students to progress to various education and training sectors and employment.

Public Schools NSW, Ultimo is accredited as a Registered Training Organisation (RTO) to deliver and assess VET qualifications to secondary students.

It is mandatory for all students studying a VET course to create a Unique Student Identifier (USI). Students will require a form of identification for the creation of the USI. Examples include a Medicare Card, Australian Birth Certificate, Driver's License or a valid Passport.

Assessment in all VET courses is competency based. The student is assessed on what they can do (the skills) and what they know (the knowledge) that will equip them in the workplace. Students who have successfully achieved competency will have the skills and knowledge to complete workplace activities in a range of different situations and environments, to an industry standard of performance expected in the workplace.

Competency-based assessment materials are designed to ensure each learner has achieved all the outcomes (skills and knowledge) to the level of the qualification. Competency-based training is based on performance standards that have been set by industry. Students will receive documentation showing any competencies achieved for the VET course undertaken.

Due to the specific requirements of a VET course it is recommended students speak to the VET Coordinator or Careers Adviser before choosing the course to ensure they are fully aware of the requirements and the course is suitable for their individual needs, knowledge and skills.

What Is EVET? (Externally delivered Vocational Education & Training)

The HSC allows students to undertake study in a variety of vocational areas that provide work-related skills and knowledge. These EVET courses count as units of study towards the HSC and many can also be used in the calculation of your Australian Tertiary Admissions Ranking (ATAR). Senior high school students attend TAFE one afternoon per week to undertake a course that is then included as part of their HSC pattern of study.

Why choose a Vocational or EVET course?

The EVET option provides an alternate choice for those students who desire to:

- gain work-related skills in a vocational area of interest
- gain a TAFE qualification
- participate in course work that is practical and hands-on.
- experience an adult learning environment
- access workshops, computer laboratories and facilities that are well equipped and meet industry standards
- be taught by industry trained teachers who are specialists in their field

What are VET Industry Curriculum Framework courses?

These courses can be studied either at school (if offered) or at TAFE and are based on national training packages enabling students to gain a Certificate I or II qualification.

If a student studies the same Framework course for 2 years and undertakes the optional NESA exam, the mark can be used in the calculation of their Australian Tertiary Admissions Ranking (ATAR). Work placement is a mandatory component of all framework courses. This is a NESA requirement.

Framework courses that contribute towards the ATAR include:

Automotive	for students wishing to become motor mechanics, or gain skills in re-upholstering cars and boots, or work in the Smash Repair Industry.
Business Services	for students wishing to gain personal, administrative and computer skills to work in office administration. Technical skills gained in this course would assist in other occupations.
Construction	for students wishing to work in the building and construction industry. Students gain a NSW WorkCover construction induction certificate.
Electrotechnology	for students wishing to work in the electrical industry, installing and maintaining electrical components, wiring systems, equipment and systems.
Entertainment	for students interested in everything to do with supporting performance and events; lighting and sound, staging and set design and dealing with patrons and professionals.
Financial Services	for students wishing to become accountants. The course covers basic accounting and computer operations associated with accounting procedures.
Hospitality	for students interested in customer service, cookery, food and beverage service and accommodation.
Human Services (Health Services Assistance)	for students interested in working in a health care environment (hospitals) in Nursing or Health Services.
Information and Digital Technology	for students interested in designing web pages, software and games, creating programs, systems and databases, networking computers and solving technical problems.
Metal and Engineering	for students wishing to work in the manufacturing and engineering industries. Students learn about designing, production and repairing machinery, tools and parts.
Primary Industries	for students interested in Agriculture, Horticulture, Conservation and Land Management. The study of Primary industries can lead to career opportunities including, farm management, production horticulture and rural merchandising.
Retail Services	for students wishing to work in the retail industry and gaining skills in customer service, using cash registers, stock control and sales.
Tourism	for students wishing to work in the tourism industry and gaining skills in customer service, tourism advice and communication with customers from a diverse background.

What are Non-Framework Courses?

Non-Framework Courses (Board Endorsed)

Non-framework courses are based on national training packages or TAFE NSW accredited courses. These courses count as 2 units towards the HSC. If successfully completed students receive an Academic Transcript and gain recognition into further TAFE NSW courses in similar areas. These courses are studied at TAFE and count towards the HSC but do not count towards the ATAR.

Examples of Non-Framework courses which you may study at TAFE include:

Animal Studies
Aviation (Aircraft Operation-Theory)
Baking
Beauty (Retail) Makeup & Skin care)
Boating Services
Community Services (Children's Services, Youth Work))
Computer Aided Drafting (CAD)
Construction (Floor & Wall Tiling)
Dental Assisting
Design Fundamentals (3D Animation, Digital Design, Graphic Design, Interior Design)
Fashion Design & Technology
Floristry
Hairdressing
Laboratory Skills
Maritime Operations
Media (Art Direction for Film, Digital, Journalism, TV and Radio Presentation)
Music Industry
Outdoor Recreation
Plumbing
Property Services (Real Estate)
Screen Printing
Sport, Fitness & Recreation
Sport Coaching
Telecommunications
Visual Art (Creative Arts, Jewellery and Object design, Photography

How do I apply for EVET courses?

See the Careers Adviser for an application form. Applications are due by the end of August.

When do I attend EVET classes?

EVET classes are usually held on Tuesday afternoons from 1:30pm – 5:30pm.

Where are EVET classes held?

EVET courses are studied at various TAFE College locations:

Sydney TAFE Colleges include: Design Centre Enmore, Gymea, Petersham, Randwick, St George, Sutherland, and Ultimo.

South Western Sydney TAFE colleges include: Bankstown, Campbelltown, Chullora, Granville, Lidcombe, Liverpool, Macquarie Fields, Miller, Padstow and Wetherill Park.

Cost of TAFE

TAFE courses are free. All equipment, materials, protective clothing and texts are provided by TAFE at no cost to the student. However, students must pay for transport to and from TAFE.

Note: Only students who have demonstrated a commitment to their learning and have followed school rules will be allowed to enrol in TAFE courses.

School Based Traineeships and Apprenticeships

What is a School Based Apprenticeship or Traineeship?

School-based apprenticeships and traineeships allow students to commence an apprenticeship or complete a traineeship whilst undertaking the HSC. A minimum of one day a week is spent on the job with an employer, plus a portion of the school holidays. For the rest of the school week, students complete the theoretical component at TAFE as well as their other HSC subjects at school.

School Based Apprentices undertake the first stage of their formal or off-the-job apprenticeship training. After completing Year 12, school based apprentices can commence full-time employment as a second-year apprentice. SBAs are offered in a range of trade related areas such as Hairdressing, Hospitality, Electrotechnology and Construction etc.

School-based Trainees complete their formal or off-the-job traineeship training by the end of Year 12. SBTs are offered in a range of areas including: Construction, Retail, Business Services, Health Care, Information Technology, Warehousing etc.

Why choose a School Based Traineeship or Apprenticeship?

Students participating in school based apprenticeships and traineeships are trained to be work ready and make a better transition to work and further study. A Traineeship or Apprenticeship provides an opportunity to:
combine the HSC with vocational training

- gain valuable work skills and experience
- earn while you learn
- obtain nationally recognised skills to work in industry areas with strong career prospects
- get a head start in your career
- use your studies as a pathway to further studies or gain credit towards further study.

Who should choose to undertake a School Based Traineeship or Apprenticeship?

Students who:

- want to work whilst doing the HSC including some of the school holidays.
- want to follow further training and/or employment beyond the HSC in the same industry.
- can balance on-the-job and off-the-job training requirements with the normal academic demands of their other HSC subjects.
- have good organisational, interpersonal and communication skills.
- have a good record of school attendance and punctuality.
- are independent learners and can meet all course requirements.

What do I do if I am interested in a School Based Traineeship or School Based Apprenticeship?

A traineeship or apprenticeship needs to be organised in Year 10 to be ready for commencement in Year 11. Please see the Careers Adviser if you are interested in undertaking an SBAT. For more information about School Based Traineeships and Apprenticeships visit **www.sbatinnsw.info**

VET COURSES

THESE COURSES COUNT TOWARDS

THE PRELIMINARY AND HSC

BUT

ONLY CONTRIBUTE TOWARDS AN ATAR

IF YOU SIT THE HSC EXAMINATION

COURSES:

Information and Digital Technology – 2 units, cost - $50

Public Schools NSW, Ultimo Registered Training Organisation 90072
VOCATIONAL EDUCATION and TRAINING

2021 INFORMATION and DIGITAL TECHNOLOGY COURSE DESCRIPTION

This course will change due to Training Package and NSW Education Standards Authority (NESA) updates.
Notification of variations will be made in due time.

Course: **Information and Digital Technology** — 2 or 4 Preliminary and/or HSC units in total
Board Developed Course — Category B for Australian Tertiary Admission Rank (ATAR)

This industry curriculum framework course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation.

Statement of Attainment in partial completion of
ICT30118 Certificate III in Information, Digital Media and Technology
Units of Competency
Based on ICT Information & Communications Technology Release 5

Core

BSBWHS304 Participate effectively in WHS communication and consultation processes
BSBSUS401 Implement and monitor environmentally sustainable work practices
ICTICT202 Work and communicate effectively in an ICT environment ICTICT301 Create user documentation
ICTICT302 Install and optimise operating system software
ICTSAS308 Run standard diagnostic tests

Stream

ICTICT203 Operate application software packages
ICTICT308 Use advanced features of computer applications
ICTWEB303 Produce digital images for the web
ICTWEB302 Build simple websites using commercial programs

Elective

ICTWEB201 Use social media tools for collaboration and engagement

Students may apply for Recognition of Prior Learning and /or Credit Transfer provided suitable evidence is submitted.

Recommended Entry Requirements
Students selecting this course should be interested in working in the information technology industry. Students should be creative, cooperative and able to work in teams. They should be able to use a personal computer and lift and carry small equipment. Students should be interested in working with operating system software and have an interest in learning the various methods to troubleshoot problems. There will be out of class homework, research activities and assignments.

Pathways to Industry
Working in the information technology industry involves:

- designing web pages
- supporting computer users
- networking computers communicating with clients
- finding solutions to software problems

Examples of occupations in the Information Technology industry

- Service technician
- help desk office
- Multimedia developer
- On-line service support officer
- Technical support officer
- Web designer

Mandatory Course Requirements
Students must complete a minimum of 70 hours work placement. Students who do not meet these requirements will be `N` determined as required by NESA.
External Assessment (optional HSC examination for ATAR purposes)
The Higher School Certificate examination for Information and Digital Technology is only available after completion of 240 indicative hours and will involve a written examination consisting of multiple-choice items, short answers and extended response items. The examination is independent of the competency-based assessment undertaken during the course and has no impact on the eligibility of a student to receive a vocational qualification.

Competency-Based Assessment
Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor they can effectively carry out competency. When a student achieves a unit of competency it is signed off by the assessor.
Appeals and Complaints
Students may lodge an appeal or a compliant about an assessment decision or other decisions through the VET teacher.

Course Costs: $50
Refund Arrangements on a pro-rata basis — **Please see your VET teacher to enquire about financial assistance**

A school-based traineeship is available in this course, for more information: http://www.sbatinnsw.info/

Exclusions - VET course exclusions can be checked on the NESA website at http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions

Eligibility Requirements for Languages

To be eligible for a course, students are required to meet **all the criteria** at the entry point to that course. For determining eligibility, speakers of dialects and variants of a language are speakers of the standard language[1].

Courses	Target Candidature	Eligibility Criteria
Beginners	Students are learning the language as a second (or subsequent) language. Students have either no prior spoken or written knowledge or experience of the language, or their experience is derived solely from, or is equivalent to, study of the language for 100 hours or less in Stage 4 or Stage 5.	• Students have had no more than 100 hours' study of the language at the secondary level (or the equivalent) (i.e. the Year 8 course). • Students have little or no previous knowledge of the language. For exchange students, a significant in-country experience (involving experiences such as homestay and attendance at school) of more than three months renders a student ineligible.
Continuers	Students are learning the language as a second (or subsequent) language. Students typically have studied the language for 200–400 hours at the commencement of Stage 6. (***In languages where Extension courses are offered, the Extension courses are available to HSC Continuers Course candidates only.***)	• Students have had no more than one year's formal education2 from the first year of primary education (Year 1) in a school where the language is the medium of instruction. • Students have no more than three years residency in the past 10 years in a country where the language is the medium of communication. • Students do not use the language for sustained communication outside the classroom with someone with a background in using the language.
In Context	Students typically have been brought up in a home where the language is used, and they have a connection to that culture. These students have some degree of understanding and knowledge of the language. They have received all or most of their formal education in schools where English (or another language different from the language of the course) is the medium of instruction. Students may have undertaken some study of the language in a community, primary and/or secondary school in Australia. Students may have had formal education in a school where the language is the medium of instruction up to the age of 10.	• Students have had no formal education in a school where the language is the medium of instruction beyond the year in which the student turns ten years of age (typically Year 4 or 5 of primary education).
And Literature	Students have a cultural and linguistic background in the language.	

1. For all Beginners languages courses and Continuers courses in languages where there are And Literature courses and In Context languages courses.

2. Formal education is 'education provided in the system of schools... that normally constitute(s) a continuous "ladder" of full-time education for children and young people...' (UNESCO International Standard Classification of Education, 1997).

LANGUAGES @NSW SCHOOL OF LANGUAGES

The NSW School of Languages offers a variety of languages available, some at Beginners level. See below for a full list of Year 11 and 12 language courses available. Studying a language at the NSWSL is the same as doing it by correspondence. Students have their own NSWSL teacher who sends units of work for completion, corrects and returns work, and gives feedback to the student. Once a term, students also go in to the NSWSL to attend a face to face lesson day with their teacher and other students in the same course. Students' return of work is supervised via the English Department. Students are expected to complete their NSWSL work during study periods. The NSWSL has strict rules of admission as well as limited places available
This method of study is not always suitable for everyone, so we insist that electives are studied at BGHS as well as the NSWSL subjects until students decide whether the NSWSL study format is right for them.

Students are not eligible to apply for language study at the NSWSL if that language is offered at school.

Students must sign an eligibility declaration for Beginners courses, and undergo an eligibility test for Continuers and 'In Context' courses in Asian languages.

NSWSL fees for Government schools for Year 11/12 students are $200 (2 years).

Year 11 and 12 languages available through the NSW School of Languages
(Website: **http://www.nswschoollang.schools.nsw.edu.au/**)

B = Beginners (no previous knowledge)
BS = And Literature

C = Continuers
E = Extension
I = 'In Context'

Please check carefully the eligibility rules on page 54 on this booklet.

SUBJECT	COURSE LEVEL					
Chinese	B	C	I		C&E	E only
French	B	C			C&E	E only
German	B	C			C&E	E only
Indonesian	B	C	I	BS	C&E	E only
Italian	B	C			C&E	E only
Japanese	B	C	I		C&E	E only
Korean	B	C				
Latin		C				
Modern Greek	B	C			C&E	E only
Portuguese		C				
Russian		C				
Spanish	B	C			C&E	E only

LANGUAGES @SATURDAY SCHOOL OF COMMUNITY LANGUAGES

The Saturday School of Community Languages (SSCL) is a government secondary school which operates on Saturdays in 16 high school centres in and around Sydney. The Saturday School gives students the opportunity to study their background language when that language is not available at their own school. Students must already have knowledge and reasonable fluency in that language. Students may apply for Saturday School from Years 7 to 12. Website: http://www.sscl.schools.nsw.edu.au/

Students must attend the closest centre to their home that offers their language. Classes run each Saturday morning for three hours and usually start at 8:30 am. Below is a full list of languages available and teaching centres for SSCL.

LANGUAGE	CENTRES
Arabic	Arthur Phillip HS, Birrong GHS, Smiths Hill HS.
Armenian	Chatswood HS.
Chinese	Ashfield BHS, Birrong BHS, Kogarah HS, Smiths Hill HS, Strathfield GHS, The Hills Sports HS.
Croatian	Liverpool BHS.
Filipino	Bankstown GHS
Hindi	The Hills Sports HS.
Hungarian	Bankstown GHS.
Italian	Strathfield GHS.
Japanese	Chatswood HS
Khmer	Liverpool GHS.
Korean	Chatswood HS, Strathfield GHS.
Macedonian	Bankstown GHS, Kogarah HS, Smiths Hill HS.
Maltese	The Hills Sports HS.
Modern Greek	Ashfield BHS, Kogarah HS, The Hills Sports HS, Smiths Hill HS.
Persian	Arthur Phillip HS.
Polish	Ashfield BHS, Chatswood HS, Liverpool GHS.
Portuguese	NSW School of Languages.
Punjabi	The Hills Sports HS.
Serbian	Liverpool GHS, Smiths Hill HS.
Spanish	Ashfield BHS, Chatswood HS, Kogarah HS, Liverpool GHS, The Hills Sports HS.
Tamil	Liverpool GHS
Turkish	Arthur Phillip HS, NSW School of Languages.
Vietnamese	Birrong BHS, NSW School of Languages, Liverpool BHS.

Glossary

Assessments	School assessments are marks that describe a student's achievement in the given Course, relative to those of the other students in the school.
Australian Tertiary Admission Rank (ATAR)	The Australian Tertiary Admission Rank (ATAR) is a rank calculated by the universities. It is a number between 0 and 99.95 that indicates a student's academic ranking based on their HSC performance in the state. The ATAR is used to assist universities to select students. There is no concept of passing or failing with the ATAR.
Board Developed Course	Board Developed courses are courses which have been developed by NESA. They are examined externally at the Higher School Certificate examination.
Category A, B Course	Board Developed courses are classified by the universities as Category A or Category B. The universities allow no more than two units of Category B courses to be included in the calculation of the ATAR. Category B courses include all V.E.T. framework courses.
Board Endorsed Course	Designed by NESA. They appear on the HSC, are not HSC examinable and do not contribute to the ATAR.
Course	A course is a program of study within a subject. For example, courses within the subject of Music are: Music Course 1 and Music Course 2.
E.V.E.T.	External TAFE-delivered Vocation Education and Training (see V.E.T.).
Framework Course	Board Developed courses based on national industry competency standards.
Higher School Certificate	The Higher School Certificate (HSC) is an exit certificate that marks the completion of 13 years of schooling. It is awarded and released by NESA.
NESA	NESA (NSW Educational Standards Authority) awards certificates to students who comply with the Act and the NESA's rules. https://educationstandards.nsw.edu.au/wps/portal/nesa/home
Preliminary & HSC Course	Each 2 unit Board Developed Course, is divided into a Preliminary Course, and an HSC course. Students must satisfactorily complete the Preliminary Course, before undertaking the HSC course.
RoSA	Record of School Achievement.
Subject	A subject is the general name given to an area of study; some subjects have more than one course.
TAFE	Technical and Further Education
Unit	Each course is divided into units of study. Most courses are of 2 unit value, but it is possible to take more than two units in some subjects. There are some 1 unit courses.
V.E.T. Course	Vocation Education and Training courses are duel accredited. They are recognised by industry and NESA for the HSC and are competency based

Planning Page

This is a page which you can use to write down any issues, questions, or ideas about anything to do with the subjects you choose or HSC requirements. You may also want to think about who you could see to get the answers you need.

ISSUES

QUESTIONS

IDEAS