CANTERBURY BOYS HIGH SCHOOL

COLLEGE (YEARS 11 & 12)

ELECTIVE COURSE INFORMATION 2017 – 2018

C O N T E N T S

CANTERBURY BOYS HIGH SCHOOL

SUBJECT CHOICES FOR COLLEGE 1, 2017/18

COLLEGE 2 - 2018/19

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 Senior Tutorial centre 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 2017/18 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 evening 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.

Success in the HSC is achieved through hard work, dedication and commitment to course requirements. Students will be considered to have satisfactorily completed a course when there is sufficient evidence that they have met the following criteria:-

- *Followed the course developed or endorsed by the NESA (NSW Education Standards Authority).*
- *Applied themselves with diligence and sustained effort to the set tasks and experiences provided in the course by the school.*
- *Achieved some or all of the course outcomes.*

In making the choice to continue on to the senior school at Canterbury Boys' High School, you are accepting the responsibility that goes with that choice. I look forward to seeing your commitment to your studies, a strong focus on learning and achievement and work hard to achieve the best results possible.

Ms Belinda Giudice
Principal

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

SUBJECT DESCRIPTIONS FOR COLLEGE 1, 2018

AND COLLEGE 2, 2019

General instructions

This booklet contains information relating to the requirements for the Higher School Certificate and the Australian Tertiary Admissions Rank (ATAR). It gives a brief outline of the subjects and courses that may be offered at Canterbury Boys' High School. You must read this booklet and choose carefully to ensure that you select courses where you can meet the minimum standard expected in the course. The course standards are set and your performance is measured against them.

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.

The Deputy Principal, Head Teachers, Classroom Teachers and your Student Advisers are available to answer further questions or will be able to direct you to the most appropriate person for the information required.

THE HIGHER SCHOOL CERTIFICATE

The HSC is divided into two separate components.

THE PRELIMINARY COURSE

This is usually undertaken in Weeks 6-10, Term 4 and Term 1 and is designed to prepare you for the HSC course. Students must satisfactorily complete the Preliminary Course in a subject before entry is allowed into the HSC Course in that subject.

THE HSC COURSE

This is usually undertaken in Terms 2 and 3 and provides access to employment and/or TAFE and/or university, once 10 units have been successfully completed.

RECORD OF SCHOOL ACHIEVEMENT (RoSA)

For each year of study in the senior school, students will receive a statement indicating which subjects have been satisfactorily studied. To receive a Record of School Achievement, students must have satisfactory progress and have satisfactorily completed at least one course.

PREREQUISITE FOR CONTINUING INTO COLLEGE

Students will have successfully completed their Stage 5 Courses.

WHAT ARE UNITS?

All courses offered for the Higher School Certificate have a unit value. Subjects may have a value of 1 unit or 2 units. Most courses are 2 unit. The following is a guideline to help you understand the pattern of courses.

2 UNIT COURSE: This is the basic structure for all courses. It has a value of 100 marks.

EXTENSION COURSE: Extension study is available in a limited number of subjects. Extension courses build on the content of the 2 unit course and carry an additional value of 1 unit. Requiring students to work beyond the standard of the 2 unit course, extension courses are available in English, Mathematics, History, Music and some Languages. Undergraduate university courses will be available in some subjects.

English and Mathematics Extension Courses are available at Preliminary and HSC levels. Students must study the Preliminary extension course in these subjects before proceeding to the two HSC extension courses (Extension 1 and Extension 2). The Extension 2 course requires students to work beyond the standard of the Extension 1 course.

ASSESSMENT AND REPORTING

- School-based assessment tasks will contribute to 50% of your HSC mark. Your school assessment mark will be based on your performance in assessment tasks you have undertaken during the course.
- The other 50% will come from the HSC examination.
- Assessment and examination information and a performance scale will be used to describe your level of achievement and give a clear idea of the standards that are expected.
- Your HSC mark for 2 unit courses will be reported on a scale of 0 to 100. A mark of 50 will represent the minimum standard expected. If you achieve the minimum standard expected in a course you will receive a mark of 50. There will be five performance bands above 50 that correspond to different levels of achievement in knowledge, skills and understanding. The band from 90–100 will correspond to the highest level of achievement.

On satisfactory completion of your HSC you will receive a portfolio containing:

- The HSC Testamur
  (The official certificate confirming your achievement of all requirements for the award.)
- The Record of School Achievement (RoSA)
  (This document lists the courses you have studied and reports the marks and bands you have achieved.)
- Course Reports
  (For every HSC Board Developed Course you will receive a Course Report showing your marks, the performance scale and the band descriptions for that course. A graph showing the state wide distribution of marks in the course is also shown.)

ELIGIBILITY REQUIREMENTS FOR THE AWARD

OF

THE HIGHER SCHOOL CERTIFICATE

If you wish to be awarded the HSC you must:

1. Have satisfactorily completed courses that meet the pattern of study required by BOSTES for the award of the Higher School Certificate. This includes the completion of the practical, oral or project works required for specific courses and the assessment requirements for each course.

2. Sit for and made a serious attempt at the Higher School Certificate examinations.

3. Study a minimum of 12 units in the Preliminary Course and a minimum of 10 units in the HSC course. Both the Preliminary Course and the HSC course must include the following:

    - at least 6 units from Board Developed Courses including at least 2 units of a Board Developed Course in English;

    - at least three courses of 2 units value or greater;

    - at least four subjects;

    - at most 6 units of Science courses can contribute to HSC eligibility.

Definitions:

A Subject: is an area of study that contains different courses**.**
e.g. English, Mathematics, Science.

A Course: is a level of study within a subject.
e.g. English Standard, Mathematics Extension, Work Studies.

TYPES OF COURSES

ATAR / BOARD DEVELOPED COURSES English, Mathematics, History, Geography, Physics, Chemistry, Biology, Senior Science, Legal Studies, Visual Arts, Music, Industrial Technology, Business Studies, IPT.	These are the courses for which BOSTES sets HSC examinations and are included in calculating the ATAR
NON ATAR/BOARD ENDORSED COURSES Content Endorsed Courses (CEC) and school designed courses: Ceramics, Photography and Digital Imaging, Work Studies, Sport, Lifestyle and Recreation, English Studies and General Mathematics1 (HSC Course).	These courses are developed by the school or BOSTES. The school, not the Board, sets examinations in these subjects. Board endorsed courses count as units towards the HSC but are not included in calculating the ATAR.
VOCATIONAL EDUCATION AND TRAINING- INDUSTRY CURRICULUM FRAMEWORK COURSES These are Board Developed courses which count towards the ATAR and are studied at school or TAFE. Frameworks courses include: • Automotive • Business Services • Construction • Electrotechnology • Entertainment • Financial Services • Human Services (Health Services Assistance) • Hospitality • Information Technology (offered at CBHS) • Metal and Engineering • Primary Industries • Retail Services • Tourism and Events NB: These 240 hour courses are Category B subjects which means only two units can be included in the calculation of an ATAR. **For the result to be included in the calculation of the ATAR, the student must undertake the optional written examination at the HSC**.	Vocational Courses developed by the Board of Studies have dual accreditation. This means that these courses are: * accredited by BOSTES and appear on a student's Record of School Achievement and Higher School Certificate. * accredited and recognised by industry as part of the Australian Qualifications Framework (AQF). Students must undertake a minimum of 70 hours of approved work placement to successfully complete these courses.
TAFE (TVET) COURSES Some courses include: Animal Studies, Baking, Beauty, Community Services, Computer Aided Drafting, Dental Assisting, Design Fundamentals, Fashion, Hairdressing, Laboratory Skills, Media, Music, Outdoor Recreation, Plumbing, Property Services, Screen Printing, Visual Arts	These are Board Endorsed courses which count towards the HSC but not towards the ATAR. Students attend a TAFE College each Tuesday afternoon from 1.30 – 5.30pm to study these courses.

SUMMARY OF COURSES

COURSE	TYPE	UNITS	ADDITIONAL CREDENTIAL	ATAR/ CATEGORY	PAGE
Ancient History	Board Developed	2	No	Yes A	21
Biology	Board Developed	2	No	Yes A	22
Business Studies	Board Developed	2	No	Yes A	23
Ceramics	Board Endorsed	1	No	No	47
Chemistry	Board Developed	2	No	Yes A	24
Construction	Board Developed	2	Yes	Yes B	43
Economics	Board Developed	2	No	Yes A	25
Engineering Studies	Board Developed	2	No	Yes A	26
English Advanced	Board Developed	2	No	Yes A	16
English ESL	Board Developed	2	No	Yes A	19
English Extension	Board Developed	1	No	Yes A	20
English Fundamentals (Preliminary)	Board Developed	1	No	N/A	18
English Standard	Board Developed	2	No	Yes A	17
English Studies	Board Endorsed	2	No	No	46
Geography	Board Developed	2	No	Yes A	27
History Extension	Board Developed	1	No	Yes A	28
Information & Digital Technology VET Framework Course	Board Developed	2	Yes	Yes B	44
Information Processes & Technology	Board Developed	2	No	Yes A	29
Legal Studies	Board Developed	2	No	Yes A	30
Mathematics	Board Developed	2	No	Yes A	31
Mathematics Extension	Board Developed	1	No	Yes A	33-34
Mathematics General	Board Developed	2	No	Yes A	32
Modern History	Board Developed	2	No	Yes A	35
Music Course 1	Board Developed	2	No	Yes A	36
PD/H/PE	Board Developed	2	No	Yes A	37
Physics	Board Developed	2	No	Yes A	38
Senior Science	Board Developed	2	No	Yes A	39
Software Design & Development	Board Developed	2	No	Yes A	40
Sport, Lifestyle & Recreation	Board Endorsed	1	No	No	48
Visual Arts	Board Developed	2	No	Yes A	41
Work Studies	Board Endorsed	2	No	No	49/50

Course Notes

1. There is a History Extension Course. It can be studied with either Ancient History or Modern History but not both.
2. You may not include any more than 6 units of the following Science courses: Biology, Chemistry, Physics and Senior Science. The course Senior Science may not be taken with any of the other Science courses in the Preliminary part of the year.

THE AUSTRALIAN TERTIARY ADMISSIONS RANK (ATAR)

Entry into universities in NSW depends on your Australian Tertiary Admissions Rank (ATAR). It is a scale, which ranks you in order of merit based on your 10 best units of Board Developed Courses.
The Australian Tertiary Admissions Rank is calculated by the University of Sydney, not by BOSTES.
Only students who wish to gain entry into university, the armed forces or the police force generally require an Australian Tertiary Admissions Rank.

Eligibility for an ATAR

To be eligible for an ATAR a student must satisfactorily complete at least 10 units of Board Developed Courses and at least:

- two units of English
- eight units of category A courses
- three Board Developed Courses of two units or greater
- four subjects.

Calculation of the ATAR

The ATAR will be based on an aggregate of scaled marks in ten units of Board Developed Courses comprising:

- the best two units of English
- the best eight units from the remaining units, subject to the provision that no more than ***two units of Category B courses*** be included.

Important notes

- English must be satisfactorily completed;
- 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 BOSTES; 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 interview.

VOCATIONAL EDUCATION AND TRAINING COURSES

What is a Vocational Education and Training (VET) course?

Vocational education and training courses are industry-based courses that prepare you for the workforce and can be studied at school or TAFE in College. All vocational courses count toward the HSC and provide students with nationally recognised vocational qualifications. Whilst VET courses count toward the HSC, not all courses count toward the ATAR for university entry.

What Is TVET? (TAFE NSW 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 TVET 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 TVET course?

The TVET 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 BOSTES 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 BOSTES 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 TVET courses?

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

When do I attend TVET classes?

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

Where are TVET classes held?

TVET courses are studied at various TAFE College locations:

Sydney Institute includes the following TAFE colleges: Design Centre Enmore, Gymea, Petersham, Randwick, St George, Sutherland, and Ultimo.

South Western Sydney Institute includes the following TAFE colleges: 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.

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.

School-based trainees complete their formal or off-the-job traineeship training by the end of College. SBTs are offered in a range of areas including: animal studies, business services, health care, information technology and property services.

Why choose a School Based Traineeship or Apprenticeship?

A recent review found that students participating in school based apprenticeships and traineeships are more work ready, increase their participation in learning 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 the 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

Subject and Course Areas @ CBHS

Head Teacher

ENGLISH — **Mr N McKinley**

Advanced English
Standard English
English as a Second Language (ESL)
English Studies (non-ATAR)
English Extension 1 and 2
Fundamentals of English (Prelim only)

MATHEMATICS — **Ms N Simpson**

General Mathematics (New Course)
Mathematics (Advanced)
Mathematics Extension 1 and 2

SCIENCE/PDHPE — **Ms M Webster**

Senior Science
Physics
Chemistry
Biology
Personal Development/Health/Physical Education
Sport Recreation and Lifestyle (Non-ATAR)

TECHNOLOGY AND APPLIED STUDIES (TAS) — **Ms K Danilatos**
CREATIVE AND PERFORMING ARTS (CAPA)

Engineering Studies
Industrial Technology-Timber
Information & Digital Technology VET
Information Processes & Technology
Software Design and Development
Visual Arts
Ceramics (Non-ATAR)
Music

HSIE — **Ms A Robson**

Ancient History
Business Studies
Economics
Geography
History Extension
Legal Studies
Modern History
Work Studies (Non-ATAR)

CAREERS — **Ms A Giameos**

ATAR **The study of 2 Units of English is compulsory**

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

- An area of study common to Advanced and Standard (40%)
- Two Electives (60%) comprised of a Critical Study and a Contextual Study.

Your understanding of the topics and the texts related to them will be assessed through the language modes of reading/writing, listening/speaking and viewing/representing.

In the HSC course you will study:

- An area of study common to Advanced and Standard (40%)
- Three Modules (60%): Comparative Study of Text and Context; Critical Study of Text; and Representation and Text

You will complete a close study of five prescribed texts – Shakespeare, media or multimedia, film or non-fiction, novel and poetry – and a wide range of additional related texts and textual forms.

What skills will I gain from this subject?

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

a. Effective communication skills, both oral and written
b. Writing for a variety of purposes and audiences
c. Ability to analyse how meaning is created in texts
d. Opportunities to work independently and as part of a group
e. Critical thinking skills
f. Ability to think creatively and reflectively
g. Understand ideas/texts from a range of perspectives
h. Research skills
i. Ability to evaluate and use different technologies
j. 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 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? 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:

- An area of study common to Advanced and Standard (40%)
- Two Electives (60%) – Close Study and Language and Society.

Your understanding of the topics and texts related to them will be assessed through the language modes of reading/writing, listening/speaking and viewing/representing.

In the HSC course you will study:

- An area of study common to Advanced and Standard (40%)
- Three modules (60%): Experience Through Language; Close Study of Text; and Texts and Society.

You will complete a close study of four texts – drama, film, novel and poetry – and a wide range of additional related texts and textual forms.

What skills will I gain from this subject?

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

a. Effective communication skills, both oral and written
b. Writing for a variety of purposes and audiences
c. Ability to analyze how meaning is created in texts
d. Opportunities to work independently and as part of a group
e. Critical thinking skills
f. Ability to think creatively and reflectively
g. Understand ideas/texts from a range of perspectives
h. Research skills
i. Ability to evaluate and use different technologies
j. 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.

FUNDAMENTALS OF ENGLISH

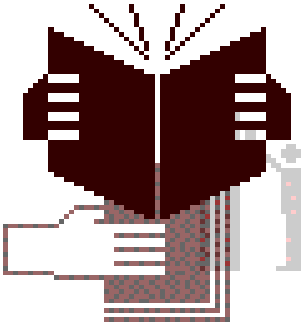
UNITS OF STUDY **1 Unit (Preliminary Only)**

What will I do in this subject?

This is a skills-based course with opportunities for flexible delivery to meet students' needs. The needs of students should determine all aspects of the course including areas such as modules studied and texts and activities chosen. It aims to support students in their study of the English Standard course or the English ESL course and the English language demands of other subjects at Stage 6.

In the Fundamentals of English course students undertake:

- Module A: Approaches to Area of Study in English (Compulsory) and up to four additional modules.
- Module B: Oral Communication Skills
- Module C: Writing for Study
- Module D: Investigative Skills
- Module E: Workplace Communication.



What skills will I gain from this subject?

- Understand and appreciate the role of language in developing confidence and positive interaction and co-operation.
- Understand and appreciate the study and use of English as a key to on-going co-operation.
- Understand and appreciate reflection as a way to review, reconsider and refine meaning.

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?

It is highly recommended that all students in the English Standard and English as a Second Language (ESL) courses undertake Fundamentals of English in Year 11.

Are there additional requirements for this subject?

No

Are there any exclusions for this subject?

English Advanced, 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 and course assessments. Improved skills in written and oral communication will allow students to meet requirements for further study in post school options such as university, TAFE NSW and the workplace. Some modules in this course may be eligible for TAFE NSW credit transfer.

ATAR

ENGLISH AS A SECOND LANGUAGE (ESL)

UNITS OF STUDY **2 Units**

What will I do in this subject?

The study of ESL 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:

- Language Study within an Area of Study - 60%
- Two Electives (40%) – Aspects of Language and Close Study of Text

Your understanding of the topics and the texts related to them will be assessed through the language modes of reading/writing, listening/speaking and viewing/representing.

In the HSC course you will study:

- An Area of Study (50%)
- Two modules (50%)
  - Experience through Language
  - Texts and Society

You will complete a close study of three texts – poetry, film and novel – and a wide range of additional related texts and textual forms.

What skills will I gain from this subject?

You will gain numerous and highly transferable skills:

a. Express yourself competently at both the sentence and paragraph level of written communication
b. Communicate confidently in a wide range of spoken situations
c. Write in a variety of forms ranging from informal, personal writing to formal, academic writing
d. Understand how texts are constructed and create meaning
e. 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 one module – Genre, Texts and Ways of Thinking or Language and Values. 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:
a. Independent investigation
b. Analytical thinking and understanding of complex ideas
c. 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

ANCIENT HISTORY

UNITS OF STUDY **2 Units with optional Year 12 Extension Course**

What will I do in this subject?

Ancient History (Preliminary Course):

Part 1: Introduction

- (a) Investigating the past: History, Archaeology and Science.
- (b) Case studies

Part 2: Studies of ancient societies, sites and sources.

Part 3: Historical investigation

HSC Course:

- Part I: Core – Cities of Vesuvius, Pompeii and Herculaneum- 25%
- Part II: One ancient Society; eg. Spartan Society- 25%
- Part III: One personality; eg. Alexander the Great-25%
- Part IV: One historical period, eg The Greek World 500-440BC-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?

Biology is the study of living organisms and life processes and their impact with each other and their environment.

The Preliminary course includes the following modules:

- A Local Ecosystem
- Life on Earth
- Patterns in Nature
- Evolution of Australian Biota

and a field study related to the local ecosystem.

The HSC course examines the processes and structures that plants and animals use to maintain a constant internal environment and the way in which inheritance of characteristics are transmitted from generation to generation. The options cover a wide variety of interest topics and draw on developments in technology to examine areas of current research.

Modules include:

- Maintaining a Balance
- Blueprint for Life
- The Search for Better Health

and one option from: Communication, Biotechnology, Genetics, The Code Broken, The Human Story, and Biotechnology

What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- Planning investigations
- Conducting first-hand and secondary source investigations to collect and analyse data and information
- Appropriately using terminology, symbolic and visual representations and reporting styles to communicate information
- Critically appraising biological information, developing scientific thinking and solving problems related to biological concepts
- Working effectively as an individual and as a team member.

How much practical/theory work is in this subject?

Practical work incorporates a wide range of experiences in addition to experimental work including observation exercises, fieldwork, and modelling, processing information from secondary sources, using ICT and data loggers. Students must complete approximately 80 hours practical.

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?

Students must demonstrate skills in safe work practice in the laboratory to meet legislative requirements, complete an open-ended investigation and research project which involve working independently, and written and oral presentation components

Are there any exclusions for this subject?

Preliminary Senior Science.

How will this course help me in the future?

Skills in biology are useful in a range of courses studied at university and TAFE, in the workforce and in everyday life and for a range of careers in biological, medical, health, environmental, forensic and food science; biotechnology and pharmacy.

This course, when combined with Physics, Chemistry, or Earth and Environmental Science provides preparation for many science based tertiary courses.

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?

Chemistry is the study of the physical and chemical properties of substances and their interactions. Chemistry provides chemical explanations and predicts events at the atomic and molecular level.

The **Preliminary course** develops knowledge of atomic structure, chemical changes, rates of reaction and the relationships between substances.

The **Preliminary course** includes the modules:

- The Chemical Earth
- Metals
- Water
- Energy

The **HSC course** builds on concepts developed in the Preliminary course expanding into areas such as the production of new materials, the importance of acids industrially and in the environment, the type of chemicals that have been released as a result of human activity and the ways in which environmental problems can be minimised. The options cover a wide variety of interest topics; and draw on developments in technology to examine areas of current research.

The **HSC course** includes modules:

- Production of Materials
- The Acidic Environment
- Chemical Monitoring and Management

and **one** option from: Industrial Chemistry; The Biochemistry of Movement; Shipwrecks and Salvage; The Chemistry of Art; Forensic Chemistry.

What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- Planning investigations
- Conducting first-hand and secondary source investigations to collect and analyse data and information
- Appropriately using terminology, symbolic and visual representations and reporting styles to communicate information
- Critically appraising chemical information, developing scientific thinking and solving problems related to chemical concepts
- Working effectively as an individual and as a team member.

How much practical/theory work is in this subject?

Practical work incorporates a wide range of experiences in addition to experimental work including observation exercises, fieldwork, and modelling, processing information from secondary sources, using ICT and data loggers. Students must complete approximately 80 practical hours.

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?

Students must demonstrate skills in safe work practice in the laboratory, complete a practical exam and research project involving working independently, and written and oral presentations. 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? Preliminary Senior Science.

How will this course help me in the future?

Skills in chemistry are useful in a range of courses studied at university and TAFE, in the workforce and in everyday life and for a range of careers including chemistry, biochemistry, environmental sciences, medical, health, forensic and food science, metallurgy and chemical, mechanical, environmental and petroleum engineering. This course, when combined with Physics, Biology, or Earth and Environmental Science, provides preparation for many science-based tertiary courses.

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 Course
- 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

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.

H.S.C 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.

Note: Students will be consulted as to which case studies should be studied.

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

HISTORY EXTENSION

UNITS OF STUDY **1 Unit**

What will I do in this subject?
This course provides students with the opportunity to build on the outcomes of the Stage 6 Ancient History and Modern History courses in relation to historiography and historical enquiry and communication. The course further develops students' understanding of how historians work. Rather than simply extending students' knowledge of a particular period or event in history, the course is aimed at using specific historical investigations to reflect on the nature of history and how and why approaches and interpretations change over time.

Course Structure

Part I: What is History? 60%
Students use historical debates from one case study and a source book of historical readings to investigate the question 'What is history?' Options for case studies include:

Ancient
Ancient Egypt and the Life of Teti, The End of the Bronze Age, The Origins of Rome, The Impact of Rome on the Provinces

Medieval and Early Modern
The Crusades, Martin Luther, Elizabeth I and the Elizabethan Age, Spain and the Aztec Empire

Modern
The Origins and Early Development of American Democracy, Napoleon – Reformer or Tyrant?, Winston Churchill – Statesman or Career Opportunists, The Nature of the Presidency of John Fitzgerald Kennedy

Australian
The Origins of the First Australians, The Arrival of the British in Australia, The Bush Legend, Women Convicts in NSW

Part II: History Project 40%
Students learn historical skills and apply these skills by designing and conducting their own historical investigation.

What skills will I gain from this subject?
You will gain skills of locating, selecting, analysing, synthesising and evaluating information from a range of historical sources. You will also write a well-structured historical text.

What background and skills are recommended for this subject?
This subject is recommended for students with a strong interest in gaining a greater knowledge and understanding of the way history is written. An 'A' grade in Year 10 History is essential for this course.

Are there additional requirements for this subject?
Must be studying Modern History or Ancient History.
Preliminary Modern History or Ancient History is a pre-requisite for Extension History.

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

How will this course help me in the future?
The critical and reflective thinking skills that students will develop in this course will help to prepare students for tertiary study, especially for courses in communication, law, journalism, media and teaching.

ATAR INFORMATION PROCESSES AND TECHNOLOGY (IPT)

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; organising; analysing; 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 Managment (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? None essential.

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 and Business Management.

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?

There are no additional requirements for this subject

Are there any exclusions for this subject?

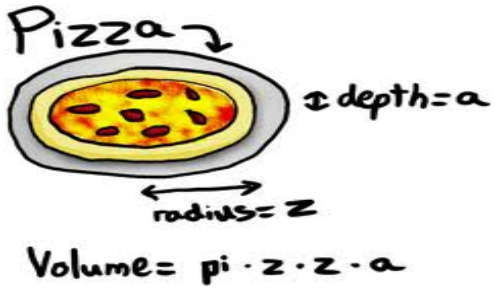
There are no exclusions for this subject.

How will this course help me in the future?

This course 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 (ADVANCED)



UNITS OF STUDY **2 Units**

What will I do in this subject?

a) given an understanding of important mathematical ideas such as variable, function, limit, etc., and to introduce students to mathematical techniques which are relevant to the real world;
b) To understand the need to prove results, *to appreciate* the role of deductive reasoning in establishing such proofs, and to develop the ability to construct these proofs;
c) To enhance those mathematical skills required for further studies in mathematics, the physical sciences and the technological sciences.

This course offers students a treatment of the following topics: **Algebra; Real Functions; Trigonometry; Plane Geometry; Probability; Coordinate Methods in Geometry; Quadratic Polynomials and the Parabola; Series and their Applications; Logarithmic and Exponential Functions and Calculus and Integration**. Calculus is by far the most important part of this course.

What skills will I gain from this subject?

The 2 Unit course is intended to give these students an **understanding** of and **competence** in some further aspects of mathematics which are applicable to the real world.

How much practical/theory work is in this subject?

This course is based on theory mainly and mathematical proofs.

What background and skills are recommended for this subject?

Students selecting this course should have completed Stage 5.2 or 5.3 pathways 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?

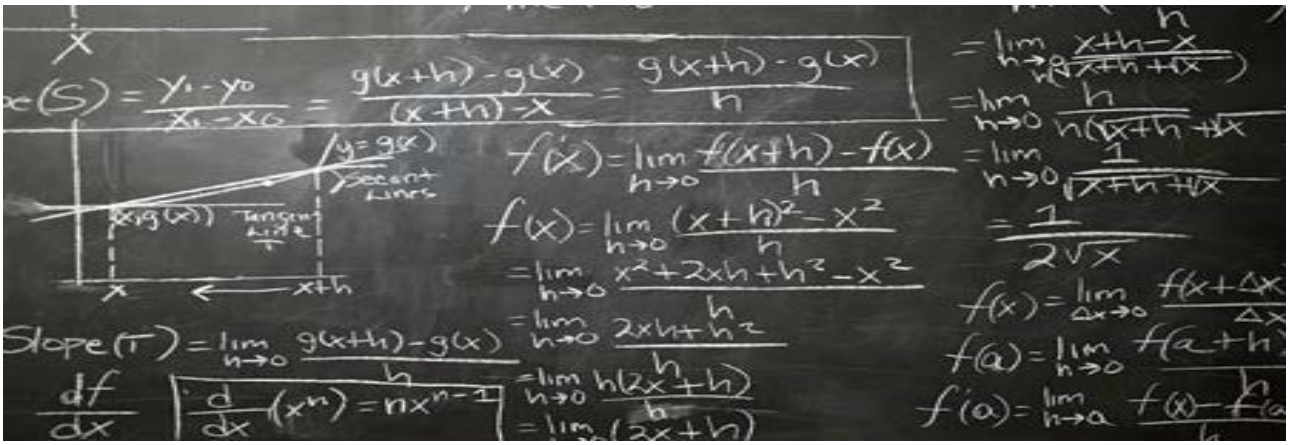
Students not meeting basic prerequisites for success in this course will be advised in writing by the end of Term 1.

Are there any exclusions for this subject?

Preliminary Mathematics General

How will this course help me in the future?

It is a sufficient basis for further studies in mathematics as a *minor* discipline at tertiary level in support of courses such as the life sciences or commerce.



ATAR

MATHEMATICS GENERAL

UNITS OF STUDY **2 Units**

What will I do in this subject?

Students will learn to use a wide range of techniques and tools to develop solutions to a wide variety of problems related to their present and future needs and aspirations.
Students will 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 and statistical concepts
- use concepts and apply techniques to the solution of problems in algebra and modelling, measurement, financial mathematics, data and statistics, and probability
- use mathematical skills and techniques, aided by appropriate technology, to organise information and interpret practical situations
- interpret and communicate mathematics in a variety of written and verbal forms, including diagrams and statistical graphs.

The Preliminary course is divided into **five components**: **Financial Mathematics; Data Analysis**; **Measurement; Probability and Algebraic Modelling**. There will also be the following **Focus Studies: Mathematics in Communication and Mathematics and Driving**.

What skills will I gain from this subject?

Throughout the course students are developing the competencies: **collecting, organising and analysing data; communicating ideas and information; planning and organising activities** and **working with others in teams.** At all levels of the course students are also developing the key competencies **using mathematical ideas and techniques** and **using technology.** Finally students work towards mastery of the key competency **solving problems.**

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.

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

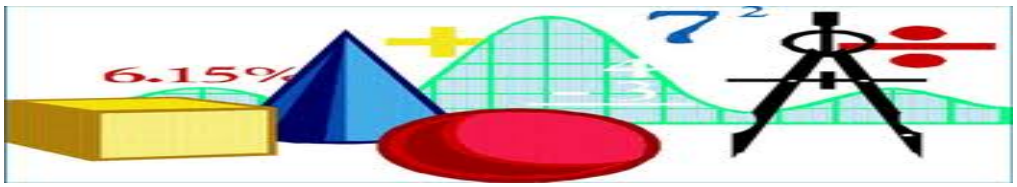
Are there any exclusions for this subject?

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.

Preliminary Mathematics General (2 units) ATAR	***PATHWAY*** →	HSC Mathematics General 1 (2 units) NON-ATAR
Preliminary Mathematics General (2 units) ATAR	***PATHWAY*** →	HSC Mathematics General 2 (2 units) ATAR



ATAR

MATHEMATICS Extension 1

UNITS OF STUDY **1 Unit**

What will I do in this subject?

Students will be

a) given an understanding of important mathematical ideas such as variable, function, limit, etc., and to introduce students to mathematical techniques which are relevant to the real world;
b) To understand the need to prove results, *to appreciate* the role of deductive reasoning in establishing such proofs, and to develop the ability to construct these proofs;
c) To enhance those mathematical skills required for further studies in mathematics, the physical sciences and the technological sciences.

This course includes the entire Mathematics (2 unit) course and further, in-depth study of each of the topics in that course. Additional topics covered are: Circle Geometry; Parametric Representation; Permutations and Combinations; Inverse Functions; Mathematical Induction; Polynomials: Binomial Theorem; Simple Harmonic and Projectile Motion.

What skills will I gain from this subject?

The Extension 1 course is intended to give these students **a *thorough* understanding** of, and **high competence** in, aspects of mathematics including many which are applicable to the real world.

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?

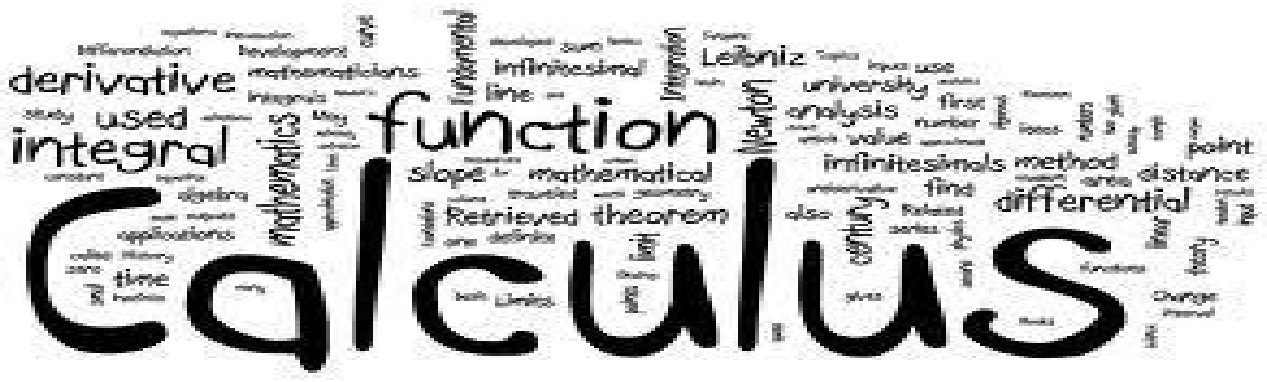
This course must be studied with Mathematics 2 unit. Preliminary Mathematics Extension 1 is a pre-requisite for HSC Mathematics Extension 2 (year 12 only). Mathematics Extension 1 is a co-requisite for Mathematics Extension 2 in the HSC course. Students not meeting basic pre requisites for success in this course will be advised in writing by the end of Term 1.

Are there any exclusions for this subject?

Mathematics General 2 or a Stage 5.2 Pathway in Year 10

How will this course help me in the future?

This course is a basis for further studies in Mathematics as a major discipline at tertiary level and for the study of mathematics in support of the physical and engineering sciences.



ATAR

MATHEMATICS Extension 2

UNITS OF STUDY **2 Unit**

What will I do in this subject?

Students will be

a) given an understanding of important mathematical ideas such as variable, function, limit, etc., and to introduce students to mathematical techniques which are relevant to the real world;
b) To understand the need to prove results, *to appreciate* the role of deductive reasoning in establishing such proofs, and to develop the ability to construct these proofs;
c) To enhance those mathematical skills required for further studies in mathematics, the physical sciences and the technological sciences.

This course includes the entire Mathematics Extension 1 course and further, in-depth study of each of the topics in that course. Additional topics covered are: Conics; Complex Numbers; Elementary Particle Mechanics; Integration; Graphs; Volumes: and Algebraic Polynomials.

What skills will I gain from this subject?

The Extension 2 course is intended to give these students **a *thorough* understanding** of, and **high competence** in, aspects of mathematics including many which are applicable to the real world.

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?

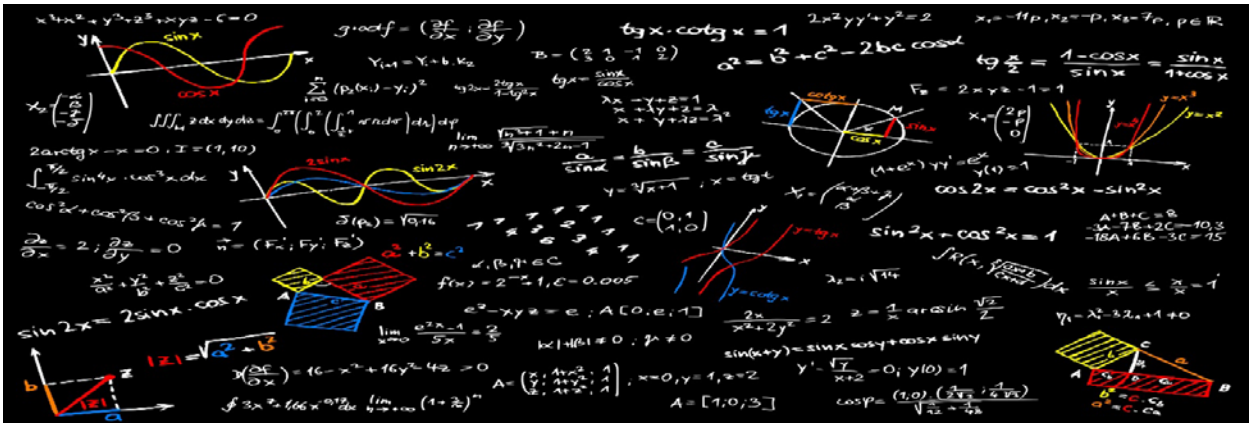
This course must be studied after successful completion of Mathematics 2-unit Course. Preliminary Mathematics Extension 1 is a pre-requisite for HSC Mathematics Extension 2 (year 12 only). Mathematics Extension 1 is a co-requisite for Mathematics Extension 2 in the HSC course. Upon taking Mathematics Extension 2, Mathematics Extension 1 will be counted as 2 Units for HSC. Mathematics Course will be omitted in HSC requirement calculation. This is only available to College 2 students.

Are there any exclusions for this subject?

Mathematics General 2

How will this course help me in the future?

This course is a basis for further studies in Mathematics as a major discipline at tertiary level and for the study of mathematics in support of the physical and engineering sciences.



ATAR

MODERN HISTORY

UNITS OF STUDY **2 Units with optional Year 12 Extension Course**

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, developments and personalities from the past two centuries.

Preliminary Course

- **Two Case Studies:** taken from different geographical regions of the world. Options include: Origins of Arab-Israeli conflict, Bismarck and the Unification of Germany, Civil Rights Movement in the USA, the Downfall of Romanov Dynasty in Russia, Chinese Government and Tiananmen Square.
- **Historical Investigation:** allows for individual or group investigation, research and presentation.
- **Preliminary Core Study:** the world at the beginning of the 20th century.

HSC Course

- **Compulsory Core Study:** World War I and its aftermath 1914-1921. A source based approach making use of soldiers' letters, film footage, diaries, newspapers and other relevant sources.
- **One National Study:** a study of a specific period of a nation in the 20th century. Options include: Australia, China, Germany, India, USA, Japan, Russia/Soviet Union and Indonesia.
- **Personality Investigations:** students integrate the study of one individual from their national study. Options include: Nelson Mandela, Leni Riefenstahl, Leon Trotsky, Albert Speer, Ho Chi Minh, Yasser Arafat, J Edgar Hoover, Robert Menzies.
- **International Studies in Peace and Conflict:** Topics include: Conflict in the Pacific, Cold War, United Nations, South Africa, Arab-Israeli conflict, Anglo-Irish Relations, conflict in Indochina.

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. HSC History Extension 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

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 (PD/H/PE)

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? Nil

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?

Physics investigates natural phenomena identifies patterns and explains their behaviour in a wide range of contexts.

The Preliminary course develops a knowledge of waves, motion, forces, fields, electricity and magnetism by focusing on understanding of current communication technologies, the use of domestic electricity, interactions involving vehicles, including car crashes and the mechanisms that maintain the physical conditions of planet Earth.

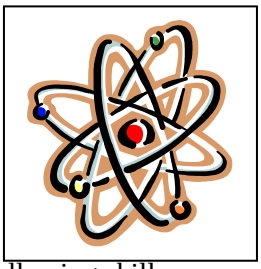
The Preliminary course includes the modules

- The World Communicates
- Electrical Energy in the Home
- Moving About
- The Cosmic Engine

The HSC course builds on the concepts of the Preliminary Course by expanding into areas such as relativity, the motor effect, and solid-state physics focusing on space flight, motors and generators and the scientific advances involved in the development of semi-conductors and electronics.

The HSC course includes the modules:

- Space
- Motors and Generators
- From Ideas to Implementation
- And one option from: Geophysics; Medical Physics; Astrophysics; From Quantum to Quarks; The Age of Silicon.



What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- Planning investigations
- Conducting first-hand and secondary source investigations to collect and analyse data and information
- Appropriately using terminology, symbolic and visual representations and reporting styles to communicate information
- Critically appraising modern physics, developing scientific thinking and solving problems related to physics concepts
- Working effectively as an individual and as a team member.

How much practical/theory work is in this subject?

Practical work incorporates a wide range of experiences in addition to experimental work including observation exercises, modelling, processing information from secondary sources, using ICT and data loggers. Students must complete approximately 80 hours practical across the preliminary and HSC courses.

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 is expected that students have a strong background in Science and Mathematics in Year 10.

Are there additional requirements for this subject?

Students must demonstrate skills in safe work practice in the laboratory to meet legislative requirements, complete an open-ended investigation and research project which involve working independently and written and oral presentation components. 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? Preliminary Senior Science.

How will this course help me in the future?

Skills in physics are useful in a range of courses studied at university and TAFE, in the workforce and in everyday life and for a range of careers including medicine, medical science, aviation, electrical, mechanical, structural engineering and the defence forces. This course when combined with Chemistry provides preparation for many science based and technology related tertiary courses.

ATAR

SENIOR SCIENCE

UNITS OF STUDY **2 Units**

What will I do in this subject?

This course emphasises skill development and is particularly suited to students requiring a broad overview of science. It focuses on encouraging students to become scientifically literate citizens.
The Preliminary course is the study of water; its importance, use and conservation, the structure and function of plants; with an emphasis on Australian native plants, human anatomy and issues associated with protection of the body on the workplace and the interactions between organisms in the local ecosystem.
The Preliminary course includes the modules:

- Water for Living
- Plants
- Humans at Work
- The Local Environment

The HSC course investigates the range of chemicals used by people living a technology-based lifestyle, diagnostic techniques, biomedical materials and devices used in medicine and the basis of information systems.
The HSC course includes the modules:

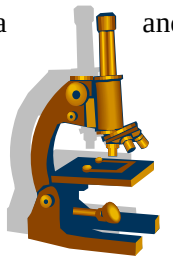
- Lifestyle Chemistry
- Medical Technology – Bionics
- Information System

And one option from: Preservatives and additives; Polymers; Pharmaceuticals; Space Science; Disasters.

What skills will I gain from this subject?

Learning experiences have been designed to develop students' expertise in the following skill areas:

- Planning investigations
- Conducting 1st-hand and secondary source investigations to collect and analyse data and information
- Appropriately using terminology, symbolic and visual representations and reporting styles to communicate information
- Critically appraising scientific information, developing scientific thinking and solving problems related to scientific concepts
- Working effectively as an individual and as a team member.



How much practical/theory work is in this subject?

Practical work incorporates experimental work, observation exercises, fieldwork, and modelling, processing information from secondary sources, using ICT and data loggers. Students must complete approximately 80 hours across the preliminary and HSC courses.

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?

Students must demonstrate skills in safe work practice in the laboratory, complete an open-ended investigation and research project which involves working independently and written and oral presentation components

Are there any exclusions for this subject?

Students cannot study Preliminary Senior Science with Preliminary courses in Biology, Chemistry, Physics and Earth and Environmental Science. They may study HSC Senior Science in combination with the HSC course in Biology, Chemistry, Earth and Environmental Science or Physics.

How will this course help me in the future?

Senior Science is not considered suitable preparation for further study at university in science but may provide the necessary background for the study of social and behavioural sciences, early childhood, infants and primary teaching and some health sciences such as nursing.

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? None essential.

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, including programming and game design.

ATAR

VISUAL ARTS

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

UNITS OF STUDY **2 Units**

What will I do in this subject?

Visual Arts involves students in both art making and art study.
In the Year 11 preliminary course students make art works in a variety of media (e.g. drawing, painting, photography, video making, model making, sculpture, ceramics, printmaking, etc). Students also critically and historically investigate artworks from all cultures and times. In addition they keep a visual diary.
In the HSC course students specialise 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 eg. 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.

VET COURSES

THESE COURSES COUNT TOWARDS

THE PRELIMINARY AND HSC

BUT ONLY CONTRIBUTE TOWARDS AN ATAR IF YOU SIT THE HSC EXAMINATION

COURSES:

Construction – 2 units
Information and Digital Technology – 2 units

Public Schools NSW, Ultimo Registered Training Organisation 90072
CONSTRUCTION COURSE DESCRIPTION 2018
This may change due to Training Package and Board of Studies, Teaching and Educational Standards (BOSTES) updates.
Notification of variations will be made in due time.

Course: Construction (240 indicative hours) 4 Preliminary and/or HSC units in total
Board Developed Course Category B status 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 qualifications. This is known as dual accreditation.

CPC20211 Certificate II in Construction Pathways
Units of Competency
Core
CPCCOHS2001A Apply OHS requirement, policies and procedures in the construction industry
CPCCCM1013A Plan and organise work
CPCCCM1014A Conduct workplace communication
CPCCCM1015A Carry out measurements and calculations
CPCCCM2001A Read and interpret plans and specifications
CPCCOHS1001A Work safely in the Construction Industry

Electives 6 out of the following 9
CPCCCA2011A Handle carpentry materials
CPCCCA2003A Erect and dismantle formwork for footings and slabs on the ground
CPCCCO2013A Carry out concreting to simple form
CPCCCM2006B Apply basic levelling procedures
CPCCJN2001A Assemble components
CPCCJN2002B Prepare for off-site manufacturing process
CPCCCA2002B Use carpentry tools and equipment
CPCCWF2001A Handle wall and floor tiling materials
CPCCWF2002A Use wall and floor tiling tools and equipment

Additional units required to attain a HSC credential in this course
CPCCCM1012A Work effectively and sustainably in the Construction Industry

Only to be delivered by teachers who have this qualification
CPCCBL2001A Handle and prepare bricklaying and blocklaying materials
CPCCBL2002A Use bricklaying and blocklaying tools and equipment

Successful completion of the unit, CPCCOHS1001A, will lead to the award of a Construction Induction Card from WorkCover NSW, which allows the student access to construction sites across Australia for work purposes.

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

Pathways to Industry
Skills gained in this course transfer to other occupations. Working in the construction industry involves

- constructing buildings
- modifying buildings
- contracting
- measuring materials and sites
- communicating with clients
- managing personnel and sites

Examples of occupations in the construction industry:

- building
- bricklaying
- concreting
- carpentry
- shop fitting
- joinery

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 the Board of Studies, Teaching and Educational Standards (BOSTES). Students who achieve competency in CPCOHS1001A – Work Safely in the Construction Industry, will be issued with a WorkCover NSW Construction Induction Card (White Card). This is a requirement before commencing workplacement.

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 that they can effectively carry out competency. When a student achieves a unit of competency it is signed off by the assessor.

Appeals Students may lodge an appeal about assessment decisions through their VET teacher.

External Assessment (optional HSC examination for ATAR purposes)
The Higher School Certificate examination for Construction (240 indicative hours) 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.

Course Costs: Resources $120 Consumables $ Other $25 (White Card)
Refund Arrangements on a pro-rata basis Please see your VET teacher to enquire about financial assistance.

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

Exclusions - VET course exclusions can be checked on the BOSTES website at www.boardofstudies.nsw.edu.au/voc_ed/exclusions.html

Public Schools NSW, Ultimo Registered Training Organisation 90072

INFORMATION and DIGITAL TECHNOLOGY COURSE DESCRIPTION 2019

This course will change due to Training Package and Board of Studies, Teaching and Educational Standards (BOSTES) updates. Notification of variations will be made in due time.

Course: Information and Digital Technology (240 indicative hours) 4 Preliminary and/or HSC units in total
Board Developed Course Category B status 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 qualifications. This is known as dual accreditation.

Statement of Attainment towards
ICT30115 Certificate III in Information, Digital Media and Technology
Units of Competency

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
ICTSAS301 Run standard diagnostic tests

Stream

ICTICT203 Operate application software packages
ICTICT308 Use advanced features of computer applications
ICTWEB302 Build simple websites using commercial programs

Elective

ICTWEB201 Use social media tools for collaboration and engagement
ICTWEB301 Create a simple mark-up language document
ICTWEB303 Produce digital images for the web

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

Pathways to Industry

Working in the information and digital 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 and digital 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 the Board of Studies, Teaching and Educational Standards (BOSTES).

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 that they can effectively carry out tasks to industry standard. Students will be progressively assessed as 'competent' or 'not yet competent' in individual units of competency When a student achieves a unit of competency it is signed off by the assessor.

Appeals Students may lodge an appeal about assessment decisions through their VET teacher.

External Assessment (optional HSC examination for ATAR purposes)

The Higher School Certificate examination for Information and Digital Technology (240 indicative hours) 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.

Course Costs: Resources $80 Consumables $0 Other $0
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 BOSTES website at www.boardofstudies.nsw.edu.au/voc_ed/exclusions.html

BOARD ENDORSED COURSES

NON ATAR

CONTENT ENDORSED COURSES

THESE COURSES COUNT TOWARDS
THE PRELIMINARY AND HSC
BUT DO NOT CONTRIBUTE TOWARDS AN ATAR

COURSES:

English Studies – 2 Units

Ceramics – 1 Unit

Sport, Lifestyle and Recreation Studies – 1 Unit

Work Studies – 2 Units

NON 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.

What skills will I gain from this subject?

The course provides students with the opportunity to become more confident and effective communicators and to enjoy a breadth and variety of texts in English. It is designed to help students become critical thinkers, capable of engaging with, understanding, contributing to and appreciating the variety of cultural heritages and differences that make up Australian society and society more broadly. It also encourages the continued development of skills in individual, collaborative and reflective learning. 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 a 'D' or '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. However, students must be aware that while this counts as the required two units of English, and is a Board Endorsed Course, it is still a non-ATAR course.

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.

NON ATAR

CERAMICS

UNITS OF STUDY **1 Unit**

YEARS OF STUDY Year 11 – Preliminary Course
Year 12 – HSC Course

What will I do in this subject?
Ceramics is the art and technology of forming, firing and glazing clay to make a range of products.
You will explore clay as an artistic medium and the ways in which it can be formed, shaped and joined. Various construction method will be explored (including pinching, coiling, slab construction and slab/coil combinations) and casting (including the use of moulds and slip casting). Critical and historical studies will also be studied.
The study of Ceramics will support students in developing a commitment to and capacity for lifelong learning in this area. This may lead to further post-school study at University or TAFE or vocational training in the context of the workplace. Learning may also continue through life as an area of personal interest.

The Ceramics course covers:
40 hours mandatory module *INTRODUCTION TO CERAMICS*
This module provides students with an introduction to the study of ceramics that is then extended through the other modules.
20 hours module that will be negotiated with the teacher and student directed these include:
Hand-building, sculptural forms, kilns, glaze technology, casting, surface treatment, mixed media and ceramic projects.

What skills will I gain from this subject?
In the Ceramics course you will gain skills in:
- Increased capacity to creatively design functional and non-function ceramics pieces
- The ability to use a variety of tools and equipment to create ceramic pieces
- Enhanced insight into the impact of ceramics, both as utilitarian objects and artworks, on human society

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?
None essential.

Are there any exclusions for this subject?
Ceramics students may not use major works from one subject as their major work for another.

How will this course help me in the future?
The study of Ceramics Stage 6 provides students with knowledge, understanding and skills that form a valuable foundation for a range of courses at university and other tertiary institutions.

NON ATAR

SPORT, LIFESTYLE AND RECREATION

UNITS OF STUDY **1 Unit**

YEARS OF STUDY Year 11 – Preliminary Course
Year 12 – HSC Course

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:

1. In the Workplace
2. Preparing Job Applications
3. Workplace Communications
4. Teamwork and Enterprise Skills
5. Managing Work – Life Commitments
6. Personal Finance
7. Workplace Issues
8. Self-Employment
9. Experiencing Work
10. Team Enterprise Project
11. 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
- Skills in decision making
- Skills in workplace practices, procedures and conventions
- Skills of researching, gathering, organising and presenting information.

(WORK STUDIES continued)

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 also using basic computer programs (eg. 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.