



Year 11 2025

Preliminary Course – Year 11, 2025

HSC Course – Year 12, 2026

COURSE INFORMATION BOOKLET

Stage 6

Preliminary Course – Year 11, 2025

HSC Course – Year 12, 2026

Updated June 2024

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Introduction

Year 10 Students

Your choice of courses for Years 11 and 12 is one of the most important decisions you will make at school. It will have a significant influence on your success in the Higher School Certificate (HSC) and in your Record of School Achievement (RoSA). This in turn will have an important bearing on your chosen program of tertiary studies or career path following school.

Regardless of the many factors that will influence your choice of courses in the senior school, two overriding principles need to be stressed.

- **Choose courses that interest you and/or that you do well.**
- **Bear in mind that the courses you choose make up *your* program of study – it is your commitment, not someone else's. Choose wisely and with your interests in mind.**

It is most important that course selections are made with the knowledge that your selection of a course does not guarantee a particular course will run in 2025 - 2026. The identification of courses that are eventually included in the 2025 timetable will depend on the availability of teachers and necessary resources. Change of course requests in 2024 or 2025 will not guarantee student placement into desired courses, as class sizes, resources and timetable fixtures are all areas that need to be considered.

This booklet has been prepared to assist you in making these important choices.

Sometimes students make decisions without seeking information from those who are able to provide it. If students want help, they are advised to discuss any relevant courses with teachers of the courses or subject area. The following teachers can provide assistance and guidance in course selections:

- **Head Teachers** of faculties will be able to give additional information on specific course content.
- **Stage Head Teacher, Mr Manley** will assist in providing advice about course choices.
- **The Head Teacher Secondary Studies, Ms Geary**, will provide information regarding the NSW Education Standards Authority (NESA) requirements.

The administration of student course choices and any changes to selections, can **only** be completed through the Head Teacher Secondary Studies, Ms Geary whose office is in A Block.

Apart from Head Teachers of faculties and the Head Teacher Secondary Studies, **HSC course information** is available through the **Careers Advisers Mrs Kiernan and Ms Urquhart and your Year Advisers Ms Sainsbury and Ms Zhang**. The Careers Advisers will be able to give information on how students' course choices might help future employment prospects and entry to courses at University and TAFE.

Stage 6 course selection meetings will be scheduled for all students with Stage Head Teachers and the Careers Advisers.

This booklet has been designed to help you and your family to make appropriate and realistic decisions. The information provided is as current as possible from NESA. Syllabus information from NESA and updates are available from the NESA website: www.educationstandards.nsw.edu.au.

Susanne Geary
Head Teacher Secondary Studies

Robin Chand
Principal

Senior Studies

Things to Think About

Be aware that studying in Years 11 and 12 is quite different from studies in Years 7-10. Examinations, essays, and the depth of thinking and analysis take on much greater significance. You must choose not only the right courses, but also the right level at which to study some of those courses. Many students find the move to Year 11 is a very significant change.

There are certain things that you need to have clearly in mind.

1. The award of the HSC will be based on the Higher School Certificate examinations and school-based assessment in each course. It is therefore very important that you start strongly in the Preliminary HSC courses in order for you to establish a foundation for meeting the outcomes and assessment requirements of the HSC course. The illness/misadventure process must be followed in the event that a student does not complete an assessment. The KHS assessment policy must be followed.
2. You must develop a balanced approach to your studies, with a sensible mix of study and the other elements of your life.
3. Some students may be well advised to consider a TAFE or VET course in their pattern of study, which have a more vocational emphasis. The school provides some of these courses, others are completed at a TAFE college.
4. Key Competencies. HSC courses provide a context within which to further develop general competencies considered essential for the acquisition of effective, higher-order thinking skills necessary for further education, work and everyday life. These competencies are:
 - collecting, analysing and organising information
 - communicating ideas and information
 - planning and organising activities
 - working with others and in teams
 - using technology

HSC: All My Own Work

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

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

All students must complete this program prior to enrolment in Year 11 studies. The school will organise a time for students to complete this program.

For more information, go to the NESA website (www.educationstandards.nsw.edu.au) and click on the HSC: All my own work icon.

What Types of Courses form the HSC curriculum?

There are different types of courses that you can select in Years 11 and 12.

Board Developed Courses

These courses are developed by the NSW Education Standards Authority (NESA). There is a syllabus for each course which contains:

- the course objectives, structure, content and outcomes
- specific course requirements
- assessment requirements
- sample examination papers and marking guidelines
- the performance scale (except for Vocational Education and Training courses)

All students entered for the HSC are required to follow Board Developed course syllabuses. These courses are examined externally at the end of the HSC course and results may be used in the calculation of the Australian Tertiary Admission Rank (ATAR). The ATAR is used solely for entry into university courses.

Board Endorsed Courses

There are two types of Board Endorsed Courses – **Content Endorsed Courses** and **School Designed Courses**.

- Content Endorsed Courses (CECs) have syllabuses endorsed by NESA to cater for areas of special interest not covered in the Board Developed Courses. Most HSC VET (Vocational Education and Training) courses delivered by TAFE are Content Endorsed Courses.
- School Designed Courses are also Content Endorsed Courses, however, they are designed by individual schools to meet particular needs and NESA subsequently endorses these. Currently there are no School Designed Courses offered at Killara High School.

Some Board Endorsed Courses are one-year courses.

There is no external examination for any Content Endorsed Course or School Designed Course, but all Board Endorsed Courses form part of the Higher School Certificate pattern of study and appear on your Record of Achievement. Board Endorsed Courses and School Designed Courses **are not included** in the calculation of the ATAR.

Vocational Education and Training (VET) Courses – either Board Developed or Board Endorsed:

- Vocational Education and Training (VET) courses are offered as part of the Higher School Certificate. They enable students to study courses which are relevant to industry needs and have clear links to post-school destinations. These courses allow students to gain both Higher School Certificate qualifications and industry-recognised accreditation as part of the Australian Qualifications Framework (AQF). This framework is recognised across Australia and helps students to move easily between the various education and training sectors and employment. **VET courses each have a specific workplace component and a minimum number of hours students spend in the workplace or a simulated workplace at school.** Students receive special documentation showing the competencies gained.

What are Units?

All courses offered for the Preliminary and HSC Courses have a unit value. Courses may have a value of 1 unit or 2 units. Most courses are 2 units in value.

Each unit involves class time of approximately 3 periods per cycle (60 hours per year). Two unit courses therefore have 6 periods per cycle. In the HSC examination each unit has a value of 50 marks. Hence a 2 unit course has a value of 100 marks.

At Killara High School

1 cycle = 2 weeks

2 units = 6 periods per cycle = 100 marks

The following descriptions explain the differences in Preliminary and HSC courses described as 2 unit, 1 unit or extension courses.

2 Unit Course

- This is the basic structure for most courses. It has a value of 100 marks.

1 Unit Course

- 1 unit equals approximately 2 hours of class time each week or 60 hours per year minimum.

Extension Course (1 unit value)

- Extension study is available in a number of courses. Extension courses build on the content of the 2 unit course and require students to work beyond the standard of the 2 unit course. Extension courses are available in English, Mathematics, History, Music, Science, some Languages and VET.
- Students who wish to study extension courses must have **demonstrated an interest and competence** in the courses concerned.
- English and Mathematics extension courses are available at Preliminary and HSC levels. Students must study the Preliminary extension course in these courses 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.
- HSC extension courses in courses other than English and Mathematics are offered and examined in the HSC year only.

Students studying Extension 2 courses or multiple Extension 1 courses

Withdrawal from a course if a student is enrolled in one Extension 2 course or multiple Extension 1 courses:

A student must continue with 11 units until the final assessment before the trial is completed and it is determined that the student will achieve with 10 units. At the point of withdrawal from a course the student must have completed more than 50% of the course assessments. The student must seek approval from the Head Teacher of the extension course(s) prior to discontinuing another course which will result in the student completing a pattern of study with ten units only.

As determined and administered by NESA

Students will be required to comply with the entry requirements, course restrictions and the rules and regulations set down by the NSW Education Standards Authority (NESA).

NESA expects that each student will:

- have a satisfactory record of **attendance, conduct** and **progress**.
- **study appropriate courses** approved by the Board (**minimum number of 12 units**).
- **complete the requirements of each course**, including any necessary oral, practical or project work and class work.
- have made a genuine attempt at all tasks required as part of the **assessment program** in each course.
- **sit for any examination** set as part of the course.

Satisfactory completion of the Preliminary course (or its equivalent) is a **prerequisite for entry into the HSC course**. Students will be eligible for a Record of School Achievement (RoSA) upon completion of the Preliminary Course or if they choose to leave school. The RoSA will:

- be a record of the full range of student achievements right up to the day they do their HSC or leave school
- provide an electronic record of achievements that students can use at any time
- use assessment by teachers in schools, moderated by NESA to ensure reliability and fairness of grades
- provide the capacity to record vocational courses and students' vocational experiences as well as citizenship and leadership achievements such as First Aid courses, community languages courses and progress through the Duke of Edinburgh's Award Scheme

The Higher School Certificate

As determined and administered by NESA

To be eligible for the award of this certificate, students will be required to comply with the entry requirements, the course restrictions and the rules and regulations set down by NESA.

To gain this award, it is expected that each student:

- must have satisfactorily completed courses that meet the pattern of study required by NESA 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.**
- must have sat for and **made a genuine attempt** at the Higher School Certificate examinations.
- must 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**
- Completed HSC minimum standards testing.

You can only study **one** Industrial Technology course.

The NESA publication, *Studying for the New South Wales Higher School Certificate – An Information Booklet for Year 10 Students*, contains all the HSC rules and requirements you will need to know. <https://studentsonline.nesa.nsw.edu.au/documents/studying-for-the-nsw-hsc.pdf>

Post-Secondary Studies

To qualify for university entrance students must choose at least ten units of Board Developed Courses.

Entry into university courses in NSW and ACT depends on the Australian Tertiary Admission Rank (ATAR). The ATAR for every student who completes the necessary pattern of study is **calculated by the Universities Admissions Centre, NOT** by NESA.

Apart from the ATAR, institutions will set their own admission requirements. These may be in the form of:

- (i) **Prerequisite:** This is a course that **must** be studied in Years 11 and 12 in order for a student to be eligible to enter a specific course at university. You can find these by referring to each universities' website. While specific requirements have on the most part been eliminated, some institutions have reinstated them such as the University of Sydney who require the study of Advanced Mathematics as a prerequisite **for specific courses**. The Australian National University (ANU) also has course prerequisites which vary depending on the undergraduate course. ANU will impose Mathematics and English prerequisites from 2022. Students will be required to complete at least one Semester in a Mathematics course during Years 11 or 12.
- (ii) **Assumed Knowledge:** A number of tertiary courses are taught assuming that you have a level of prior knowledge. You will not be excluded from doing a course if you do not have the ASSUMED KNOWLEDGE. You may, however, have difficulty coping with the course content and pace. To address this you may need to complete a bridging course, or an introductory course prior to commencing your studies.
- (iii) **Recommended Studies:** These are subjects that will assist you with your chosen university course. Should you not have studied these, your selection WILL NOT be affected.

Special Criteria

Some tertiary courses may use other criteria to select students. For example:

- Interview
- Auditions
- Portfolios of design or artwork
- Application forms
- Questionnaire
- Relevant work experience
- Course specific examinations (eg. UCAT and LAT)

Each student is requested to discuss their course selection and the suitability of these to their intended tertiary study with the Careers Advisers. Students should also check requirements in the *Steps to University for Year 10 Students UAC Guide as distributed in Careers Lessons*.

It must be understood that it is the responsibility of parents and students to ascertain the requirements for entry to university courses. There are also many TAFE courses available. Information about TAFE courses are available from the Careers Staffroom. While TAFE does not require any specific courses as pre-requisites they may regard certain courses more favorably particularly if they have relevance to an intended course.

The Australian Tertiary Admission Rank (ATAR)

What is the ATAR?

- The current university ranking system is the ATAR (Australian Tertiary Admission Rank).
- The highest rank is an ATAR of 99.95.
- The ATAR will indicate a student's position in relation to all the students in their age group (i.e. all 16 to 20 year olds in NSW). So an ATAR of 80.00 means that you are 20 per cent from the top of your age group (not your Year 12 group).

The Australian Tertiary Admission Rank (ATAR) is based on an aggregate of scaled marks in ten units of Board Developed Courses comprising:

- The best two units of English; and
- The next best eight units. No more than two units of category B Board Developed Courses can be included (not category B Board Endorsed Courses please read on for further detail).
- A student must have eight units of Category A (please read on for further detail) courses.

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

Important Things to Remember:

The Record of School Achievement (RoSA) and the Higher School Certificate (HSC) are awarded and issued by NESA.

The ATAR is used by the universities in NSW and the ACT and is issued by UAC (NESA only provides the statistics to UAC).

Whereas the HSC serves many purposes, the ATAR serves only one – to assist universities in ranking school leaver applicants for tertiary selection. The ATAR should not be used for other purposes.

The ranking of students depends solely on their achievement in the HSC course.

Board Endorsed Courses

Board endorsed courses have no HSC examination and the results are derived from school-based assessment. As a result, board endorsed courses are not included in the calculation of a student's Australian Tertiary Admission Rank (ATAR).

Board endorsed courses include some Vocational Education and Training (VET) courses. They are recognised by industry and employers throughout Australia. Board Developed VET courses have an optional HSC examination that means students who choose to sit the examination, the results may also contribute to the calculation of an ATAR.

Higher School Certificate (HSC)



Board Developed Courses	Board Endorsed Courses
HSC examination except for: <ul style="list-style-type: none">• optional examination in English Studies and Mathematics Standard 1 and VET Industry Curriculum Framework courses• all Life Skills courses	No HSC examination. Results are derived from school-based assessment
May be included in the calculation of a student's Australian Tertiary Admission Rank (ATAR).	Not included in the calculation of a student's Australian Tertiary Admission Rank (ATAR).
Includes some Vocational Education and Training (VET) courses.	Includes some Vocational Education and Training (VET) courses.
Includes Life Skills courses.	

Language Courses

Students wishing to study Chinese in Context, Chinese and Literature, Japanese in Context, Korean in Context and Korean and Literature courses may pursue these through the Secondary College of languages. Secondary Colleges of Languages also offers a range of other language courses for students who have a community background in a particular language.

Students must see Ms Amali Ranaweera, Head Teacher Languages, for an application form. Students choosing a Beginners language course or Continuers course in an Asian language must meet the eligibility criteria to be accepted into the course. Further information about eligibility criteria for Language courses could be found in the following NESA website.

<https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/stage-6-languages/eligibility>

See Ms Ranaweera for further information.

Courses Offered at Killara High School

HSC Board Developed Courses

Note: See course notes following this table for explanation of symbols

Preliminary & HSC Courses	Units	Preliminary Extension Courses (1 Unit)	HSC Extension Courses (1 Unit)	Exclusions	Board Endorsed Courses
Ancient History	2		History Extension ¹		
Biology ²	2				
Business Studies	2				
Chemistry ²	2				
Chinese Beginners	2			Chinese Continuers	
Community & Family Studies ⁵	2				
Cookery (VET) (240 hours)	2			Hospitality (120 hours)	
Design and Technology ⁵	2				
Drama ⁵	2				
Earth and Environmental Science ²	2				
Economics	2				
Engineering Studies	2				
English Standard	2			Advanced, EAL/D, Extension	
English Studies	2			Standard, Advanced, Extension, EAL/D	
English Advanced	2	Preliminary English Extension	English - Extension 1 and Extension 2 ⁴	Standard, EAL/D, Studies	
English as an Additional Language or Dialect – EAL/D	2			Standard, Advanced, Extension	
Enterprise Computing	2				
Food Technology	2				
French Beginners	2			French Continuers	
Geography	2				
German Beginners	2			German Continuers	
Health and Movement Science (formerly PDHPE)	2				
Hebrew (Modern) Continuers	2				

Preliminary & HSC Courses	Units	Preliminary Extension Courses (1 Unit)	HSC Extension Courses (1 Unit)	Exclusions	Board Endorsed Courses
Industrial Technology ⁵	2			Industrial Technology (Timber Products & Furniture Industries)	
Investigating Science ²	2				
Japanese Beginners	2			Japanese Continuers	
Japanese Continuers	2		Japanese Extension	Japanese Beginners	
Legal Studies	2				
Mathematics Standard	2			Mathematics Advanced	
Mathematics Advanced	2	Preliminary Mathematics Extension 1	Mathematics Extension 1 and Extension 2	Mathematics Standard	
Modern History	2		History Extension ¹		
Music 1 ^{4 5}	2			Music 2	
Music 2 ^{4 5}	2		Music Extension	Music 1	
Physics ²	2				
Society and Culture ⁵	2				
Software Engineering ⁵	2				
Textiles and Design	2				
Visual Arts ⁵	2				
Sports Coaching Certificate III	2				Not included in ATAR
Work Studies	2				Not included in ATAR

HSC Course Notes

These notes and footnotes refer to the list of courses and should be clearly understood when making course choices for the Preliminary and HSC Courses

¹ There is only one History extension course. It can be studied with either the Ancient History course or the Modern History course.

² Students may not include any more than 6 units of the following Science courses: Biology, Chemistry, Earth & Environmental Science, Physics and Investigating Science in meeting the 12 Preliminary units. The course, Investigating Science can be studied concurrently with any of the other Sciences.

⁴ Students must study Music Course 2 if they wish to study HSC Extension Music.

⁵ A number of courses include a requirement for **the development of project work for either internal or external assessment**, for example, Visual Arts, Drama, Design and Technology, Community & Family Studies, Software Engineering and Society and Culture. Projects developed for assessment in one course are not to be used either in full or in part for assessment in any other course.

Additional information about courses and the new HSC is available on the NESA website:
<http://www.educationstandards.nsw.edu.au>

Board Developed Courses (ATAR Eligible)

These are courses for which NESA develops a syllabus, setting out the aims, objectives, outcomes, structure and content.

Board Developed Courses are all delivered at school.

Most Board Developed HSC courses, including the VET Framework courses, may contribute to the calculation of the ATAR.

Ancient History

2 Units for each of Preliminary and HSC and an optional 1 Unit HSC Extension

Board Developed Course

What will I be doing in this course?

The Year 11 course is structured to provide students with opportunities to develop and apply their understanding of methods and issues involved in the investigation of the ancient past. Through the use of archaeological and written sources, students investigate various aspects of the ancient world, including historical sites, people, societies, events and developments.

The Preliminary Course consists of:

I: Investigating Ancient History;

The Nature of Ancient History

Examples of case studies include Tutankhamun's Tomb, Boudicca and Palmyra, Roman Games and the Silk Road

II: Features of Ancient Societies,

Examples of case studies include Slavery, Weapons and Warfare, Death and Funerary Customs, Power and Image, Trade and Cultural Contact

III: Historical Investigation

The HSC course consists of:

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

II: ONE Ancient Societies topic

III: ONE Personalities in Their Times topic

IV: ONE Historical Periods topic

Students who have successfully completed the Preliminary Course and continue studying an HSC Course in either Modern or Ancient History are eligible to attempt the HSC History Extension Course. The History Extension Course involves the study and evaluation of the ideas and processes used by historians to produce history. In Part I of the course, students investigate the construction of history through exploring key questions and one case study of a topic such as the Crusades or the Salem Witch Trials. In Part II, students design, undertake and communicate an individual investigative project. Students must have good research skills and an independent approach to learning to be successful in this course.

What should I be able to do at the end of this course?

- possess knowledge and understanding of a range of features, people, places, events and developments of the ancient world in their historical context
- possess an understanding of continuity and change over time
- undertake the process of historical inquiry
- use historical concepts and skills to examine the ancient past
- communicate an understanding of history, sources and evidence, and historical interpretations
- appreciate the influence of the past on the present and the future
- value the contribution of the study of Ancient History to lifelong learning, and active and informed citizenship.

How will this course help me in the future?

The knowledge, understanding and skills that students acquire through studying Ancient History provide a firm foundation for further study, the world of work, active and informed citizenship, and for lifelong learning. It fosters a critical approach to understanding events, issues and interpretations as well as the effective communication of accounts conveying ideas, judgements and evidence.

HSC History Extension will provide you with critical and reflective thinking skills that are essential for effective participation in work, higher learning and the broader community. In particular, the course will develop many higher order skills and methodologies that are of great value to students intending to undertake tertiary studies and are transferable between disciplines.

For additional course information, please contact Mrs Claudia Pantschenko, Head Teacher HSIE Blue or Mrs Catherine Latham Head Teacher HSIE Blue (Rel).

2 Units for each of Preliminary (Year 11) and HSC (Year 12)

Board Developed Course

What will I be doing in this course?

Students explore the diversity of life from a molecular to a biological systems level. The course examines the interactions between living things and the environments in which they live. It explores the application of biology and its significance in finding solutions to health and sustainability issues in a changing world.

The Preliminary (Year 11) course develops knowledge and understanding of the structure and function of organisms and the Earth's biodiversity and the effect of evolution. It covers 4 modules: Cells as the Basis of Life; Organisation of Living Things; Biological Diversity; Ecosystem Dynamics; and 1 depth study.

The HSC (Year 12) course develops knowledge and understanding of heredity and genetic technologies and the effects of disease and disorders. It covers 4 modules: Heredity; Genetic Change; Infectious Disease; Non-infectious Disease and Disorders; and 1 depth study.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus.

Practical investigations should occupy a minimum of 70 hours of course time across both the Preliminary (Year 11) and HSC (Year 12) courses including time allocated to practical investigations in depth studies.

What should I be able to do at the end of this course?

- Understand and critically appraise biological information
- Collect, analyse and organise information
- Apply skills in observation, manipulation and experimental design
- Use appropriate technologies
- Work effectively as an individual and as a team member
- Appropriately use terminology and reporting styles to communicate information
- Solve problems relating to key biological concepts

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

Skills developed in Biology are useful in a range of courses studied at university, as well as in the workforce and everyday life.

When combined with Physics or Chemistry, Biology provides useful skills and knowledge for a range of careers including biological science, medical science, health, environmental science, food science, biotechnology and pharmacy.

It also promotes an appreciation for the diversity of life on Earth and its habitats.

For additional course information, please contact Mr David Aubusson, Head Teacher Science.

2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

Business Studies investigates the role, operation and management of businesses within our society. Factors in the establishment, operation and management of a small business are integral to this course. Students investigate the role of global business and its impact on Australian business. Students develop research and independent learning skills in addition to analytical and problem-solving competencies through their research projects, which investigate the operation of a small business.

In the Preliminary course students study:

- Nature of Business – the nature and role of business in a changing business environment
- Business Management – the nature and responsibilities of management in the business environment
- Business Planning – establishing and planning a small to medium enterprise

The HSC course covers:

- Operations – strategies for effective operations management in large businesses
- Marketing – elements involved in the development and implementation of successful marketing strategies
- Finance – interpreting financial information in the planning and management of a business
- Human Resources – contribution of human resource management to business performance

What should I be able to do at the end of the course?

- Understand the nature, role and structure of business
- Appreciate the functions, processes and operations of business
- Understand the role of effective business management
- Investigate, analyse and evaluate business issues
- Communicate business information using appropriate formats
- Apply Mathematical concepts appropriate to business situations
- Develop values and attitudes about ethical business behaviour and the social responsibility of business

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 as well as in the workforce and everyday life. Business Studies assists in understanding issues in current affairs. 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.

For additional course information, please contact Mr Mark Honeysett, Head Teacher HSIE Green.

2 Units for each of Preliminary (Year 11) and HSC (Year 12)

Board Developed Course

What will I be doing in this course?

Students explore the structure, compositions and reactions of and between all elements, compounds and mixtures that exist in the Universe. The discovery and synthesis of new compounds, the monitoring of elements and compounds in the environment, and an understanding of industrial processes and their applications to life processes are central to human progress and our ability to develop future industries and sustainability.

The Preliminary (Year 11) course develops knowledge and understanding of the fundamentals of chemistry and the trends and driving forces in chemical interactions. It covers 4 Modules: Properties and Structure of Matter; Introduction to Quantitative Chemistry; Reactive Chemistry; Drivers of Reactions; and 1 depth study.

The HSC (Year 12) course develops knowledge and understanding of equilibrium and acid reactions and the applications of chemistry. It covers 4 modules: Equilibrium and Acid Reactions; Acid/Base Reactions; Organic Chemistry; Applying Chemical Ideas; and 1 depth study.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus.

Practical experiences should occupy a minimum of 70 hours of course time across both the Preliminary (Year 11) and HSC (Year 12) courses including time allocated to practical investigations in depth studies.

The study of Chemistry requires students to have a strong background in Science and Mathematics in Year 10. It is a demanding course requiring a solid foundation in these disciplines and a strong commitment to study. It is recommended that to do Chemistry, you would also be enrolled in any Mathematics course.

What should I be able to do at the end of this course?

- Understand and critically appraise basic concepts of chemistry
- Apply experimental skills in observation, manipulation, measurement and experimental design
- Use appropriate digital technologies
- Appropriately use terminology and reporting styles to communicate information
- Work effectively as an individual and as a team member

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

This course is highly recommended preparation for many science based tertiary courses. It is especially appropriate for students interested in chemistry, biochemistry, environmental sciences, medicine, health sciences, food science, metallurgy and chemical engineering.

It also supports participation in a range of careers in chemistry and related interdisciplinary industries.

For additional course information, please contact Mr David Aubusson, Head Teacher Science.

2 Units for each of Preliminary and HSC

Board Developed Course

Exclusions: Chinese Continuers. Eligibility rules apply to the study of this course. Check with your teacher or the Board's ACE Manual.

No knowledge of Chinese is required. Students who select this course must be beginners. Students who studied Chinese in Year 8 only are also eligible.

What will I be doing in this course?

In the Preliminary course, students will develop their knowledge and understanding of Chinese across a range of topics, relating to their personal world and the Chinese speaking community.

These will be explored through the integrated use of the four skills: listening, speaking, reading and writing. In the HSC course, students will continue to develop their knowledge and understanding of Chinese through the four skills. Study may cover new topics or more detailed treatment of topics previously studied. The external HSC will include a reading and writing paper and a listening and speaking examination.

What should I be able to do at the end of this course?

- Communicate on a personal level with native speakers of Chinese and travel in Chinese-speaking countries
- Participate fully in every-day life and tourist 'survival' situations like catching public transport, seeking medical attention and arranging accommodation
- Understand and appreciate Chinese culture and society
- Further knowledge of Chinese through continued learning or for future employment opportunities

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

The study of Chinese provides students with knowledge, understanding and the skills that form a valuable foundation for a range of courses at university and other tertiary institutions.

Many courses, ranging from Applied Science through Business and Administration, Communication and Humanities, the Creative and Performing Arts, Design, Education, Psychology, Social and Community Services, Engineering, Health Sciences, Sport and Recreation, Information Technology, Tourism and Hospitality can all be enhanced with International Studies. This provides the opportunity to spend a year of in-country study in China and can result in a double degree.

The ability to move between countries, cultures and languages has increased due to globalisation, ease of travel and advanced information and communication technologies.

High quality education in languages enables students to respond positively to the opportunities and challenges of their rapidly changing world and become more accepting of diversity, more respectful of others and more aware of their place in the international community.

Chinese-speaking communities have an important economic presence in Australia and are a major trading partner. Australia is also a popular destination for Chinese-speaking tourists.

China has a major role in both Asian and world affairs and is at the forefront of scientific and medical research, technology, telecommunications and trade. Chinese is a significant commercial language in Asia and worldwide. A knowledge of Chinese provides students with opportunities to continue learning and for future employment both domestically and internationally in areas including commerce, tourism, hospitality and diplomacy.

Learning a language also helps to improve literacy skills in English.

For additional course information, please contact Ms Amali Ranaweera, Head Teacher Languages.

2 units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

Community and Family Studies is a psychology-based course, which draws upon selected components of family studies, sociology and student's general life experiences. It encourages opportunities for students to become proactive members of society.

In the Preliminary course, the core topics are Resource Management, Individuals and Groups and Families and Communities. Each preliminary core topic is designed to prepare students for the HSC course.

The HSC course consists of three core topics:

- Research Methodology - students pursue an area of interest as they employ various research methodologies to complete an Independent Research Project (IRP). The IRP is internally marked.
- Groups in Context – students explore four community groups within our society focusing on the needs of the group, issues faced, access to support and contributions to society. Groups that are often studied include: People with Disabilities, Youth, Homeless People and the LGBTQIA+ community.
- Parenting and Caring – students learn about types of parents and carers and how to best prepare for the role of a parent or carer in order to optimise the wellbeing of a dependant.

HSC option modules (class chooses 1):

- Individuals and Work – Students explore government and community structures that support and protect family members throughout the life span.
- Social Impact of Technology – Students examine the impact of evolving technologies on individuals and lifestyle.
- Family and Societal Interactions – Students explore contemporary issues confronting individuals as they manage roles within both family and work environments.

What should I be able to do at the end of this course?

- Manage resources to achieve goals, manage change, participate in the workforce, and take action to support the needs of individuals, groups and families in Australian society.
- Understand the influence of a range of societal factors on individuals and the nature of interpersonal relationships in groups, families and communities.
- Demonstrate and conduct individual research skills.
- Demonstrate skills in critical thinking and the ability to take responsible action to access support services, be active citizens in the community, to inspire and promote well-being.

How will this course help me in the future?

The Community and Family Studies course prepares students for tertiary study, work and life and is highly relevant for students now and in their future. It is recommended for anyone contemplating further study or a career in psychology, social work, behavioural sciences, counselling, medicine, nursing, health professions, teaching, child-care, business management, human resources, carers and the Humanities. It also provides useful skills for any university or TAFE course.

For additional course information, please contact Mr Duncan Smith, Head Teacher PDHPE.

2 units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

Design and Technology provides a unique project-based experience across a broad range of design disciplines. The flexible and dynamic learning environment encourages students to take intellectual risks and experiment with an array of innovative technologies in the design and development of quality projects. Students undertake a series of design challenges to develop insights and a deeper understanding into authentic real world problems, whilst evaluating the impact on individuals, society and the environment.

Design and Technology promotes hands on, student-centered exploration through the development of functional and aesthetic design projects in areas of individual interest. The process of designing, producing and evaluating encourages students to think critically and creatively to identify problems and opportunities, research and investigate existing solutions, analyse data and information, generate concepts to problem solve, justify and evaluate ideas, as well as experiment with technologies to manage and produce design solutions.

Design challenges may include but are not limited to:

- Computer Aided Design (CAD)
- Prototyping and 3D Modelling
- 3D Printing, Vacuum Forming and Laser Cutting technologies
- Architecture (2D Drawing, 3D Modelling, Floor Plans)
- Graphic, Print and Website Design
- Marketing, Advertising and Event Design
- Environmental and Sustainable Design
- Industrial & Product Design
- Fashion and Textile Design
- Furniture and Object Design

The Preliminary course covers:

Designing and producing, including the study of design theory, design processes, creativity, collaborative design, research, management, using resources, communication, manufacturing and production, computer-based technologies, safety, evaluation, environmental issues, analysis, marketing and manipulation of materials, tools and techniques.

The HSC course covers:

Innovative and emerging technologies, including a case study of innovation. The comprehensive foundation in designing and producing studied in the Preliminary Course is synthesised and applied. This culminates in the development and realisation of a Major Design Project and corresponding Design Portfolio.

What should I be able to do at the end of the course?

- Understand design theory and processes
- Understand and appreciate the interrelationship between design, society and the environment
- Understand innovation and entrepreneurial activity in a range of contexts
- Apply skills in the application of design processes to design, produce and evaluate quality design projects that satisfy identified needs and opportunities
- Demonstrate knowledge and understanding about current and emerging technologies in a variety of settings.

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

Design and Technology establishes a foundation for university, and may lead to careers in industrial design, architecture, graphic design, engineering, information technology, advertising, marketing and business management. This course gives advanced standing in a number of certificate and diploma courses at TAFE NSW.

For additional course information, please contact Ms Tracy Mackenzie, Head Teacher TAS.

2 Units for each of Preliminary and HSC

Board Developed Course

Exclusions: Projects developed for assessment in one course are not to be used either in full or in part for assessment in any other course.

What will I be doing in this course?

Students study the practices of Making, Performing and Critically Studying Drama. Students engage with these components through collaborative and individual experiences.

The Preliminary course covers:

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

The HSC Course involves theoretical study through practical workshops exploring theme, issues, styles and movement.

- Australian Drama and Theatre
- Studies in Drama and Theatre
- The Group Performance (3-6 students) involves creating a piece of original theatre (8 to 12 minutes duration). It provides opportunity for each student to demonstrate his or her performance skills.
- The Individual Project where students demonstrate their expertise in a particular area. They choose one project from Critical Analysis or Design (costume design; set design; promotion and program; lighting design) or Performance or Script-writing or Video Drama.

What will I be able to do at the end of the course?

- Make and perform different styles of drama
- Critically study drama and theatre
- Work both independently and with others in teams to plan and organise activities
- Solve problems
- Collect, analyse and organise information and communicate ideas and information

What else do I need to know about this course?

This course may require rehearsals that occur outside of class time.

How will this course help me in the future?

Students who wish to pursue a career in theatre or the entertainment industry, or in public relations and media communications, can gain experience and confidence through this course.

For additional course information, please contact Ms Rachael Wilson, Head Teacher English.

2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

An understanding of the Earth's resources and the ability to live sustainably on the planet is a central purpose of the study of Earth and Environmental Science.

The Preliminary course (Year 11) develops knowledge and understanding of The Earth's systems, processes and human impacts. It covers 4 modules: Earth's Resources; Plate Tectonics; Energy Transformations; Human Impacts; and 1 depth study.

The HSC course (Year 12) develops knowledge and understanding of the evolving Earth and the impacts of living on the Earth. It covers 4 modules: Earth's Processes; Hazards; Climate Science; Resource Management; and 1 depth study.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus.

Practical investigations should occupy a minimum of 70 hours of course time across both the Preliminary (Year 11) and HSC (Year 12) courses including time allocated to practical investigations in depth studies.

What should I be able to do at the end of this course?

- Understand and critically evaluate basic concepts about the environment
- Apply experimental skills in observation, manipulation, measurement and experimental design
- Use appropriate digital technologies
- Use terminology and reporting styles appropriately to communicate information
- Work effectively as an individual and as a team member

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

This course is important preparation for students interested in pursuing further studies in Geology, Engineering, Metallurgy and Environmental Management & Monitoring. The application of Earth and Environmental Science is essential in addressing current and future environmental issues and challenges. It is also necessary for the use and management of geological resources that are important to Australia's sustainable future.

For additional course information, please contact Mr David Aubusson, Head Teacher Science.

2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

Economics provides an understanding of many aspects of the economy and its operation, which are frequently reported in the media.

It investigates issues such as why unemployment or inflation rates change and how these changes will impact on individuals in society.

Economics develops students' knowledge and understanding of the operation of the global and Australian economy with a focus on the economic development of the Asian region and its importance to Australia. It develops the analytical, problem-solving and communication skills of students. There is a strong emphasis on the problems and issues in a contemporary Australian economic context within the course.

The Preliminary course is microeconomic in focus and covers:

- Introduction to Economics – the nature of economics and the operation of an economy
- Consumers and Business – the role of consumers and business in the economy
- Markets – the role of markets, demand, supply and competition
- Labour Markets – the workforce and role of labour in the economy
- Financial Markets – the financial market in Australia including the share market
- Government in the Economy – the role of government in the Australian economy

The HSC course, with a macroeconomic focus, covers:

- The Global Economy – features of the global economy and globalisation
- Australia's Place in the Global Economy – Australia's trade and finance
- Economic Issues – issues including growth, unemployment, inflation, wealth and management
- Economic Policies and Management – the range of policies to manage the economy

What should I be able to do at the end of the course?

- Demonstrate effective economic thinking that contributes to responsible, competent decision-making in a changing economy
- Investigate and engage in effective analysis and evaluation of economic information
- Communicate economic information, ideas and issues in appropriate form
- Explain the role of government in economic management
- Identify and explain current economic issues
- Have a very well developed understanding of how the world works and the real drivers' of power.

How will this course help me in the future?

Economics is recommended study for anyone contemplating a career in politics, banking, finance, accountancy, law, business, industrial relations, management, advertising, marketing, real estate, or administration or journalism. Anyone interested in the business world in general will benefit from studying Economics, as would anyone wanting to understand the world in general.

Economics assists in understanding issues in current affairs. The successful study of Economics will give credit transfer to a range of Business courses at TAFE NSW as well as being recommended for university study in a business related field. It would also be valuable to those individuals who wish to be self-employed. It does not rely on a high level mathematical ability.

For additional course information, please contact Mr Mark Honeysett, Head Teacher HSIE Green.

2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

Both Preliminary and HSC courses offer student's 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 profession. Students study engineering by investigating, both individually and as a team, a range of applications and fields of engineering.

Students will learn to work collaboratively and individually when producing Engineering Reports, reflecting the importance of teamwork to successful engineering projects.

In the Preliminary course, students undertake the study, and develop an engineering report, for one of the four modules:

- Three application modules studied from each of the following categories: engineering fundamentals; engineering products; braking systems
- One focus module relating to the field of Bio-Medical Engineering.

In the HSC course, students undertake the study, and develop an engineering report, for two of the four modules:

- Two application modules studied from each of the following categories: Civil structures; personal and public transport
- Two focus modules relating to the fields of Telecommunications Engineering and Aeronautical Engineering.

What should I be able to do at the end of the course?

- Understand the scope of engineering and the role of the engineer
- Understand engineering principles and appreciate the responsibilities of engineers in society
- Demonstrate communication skills appropriate to engineering practices
- Understand the developments in technology and appreciate their influence on people and engineering practice
- Apply management and problem solving skills in an engineering context
- Apply skills in the application of engineering methodology

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

Students who undertake Engineering Studies will have the opportunity to follow professional, vocational and employment pathways. The insight and experience associated with Engineering Studies will provide very useful background for further study of engineering at university and should be combined with the study of high levels of Mathematics and Science to be especially useful. Those going into the world of work will benefit from understanding what engineers do, as the work of engineers affects us all.

For additional course information, please contact Ms Tracy Mackenzie, Head Teacher TAS.

2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

In the English Advanced course, students continue to explore opportunities that are offered by challenging texts to investigate complex and evocative ideas, to evaluate, emulate and employ powerful, creative and sophisticated ways to use language to make meaning, and to find enjoyment in literature.

The English Advanced course is designed for students who have a particular interest and ability in the subject and who desire to engage with challenging learning experiences that will enrich their personal, intellectual, academic, social and vocational lives. Students appreciate, analyse and respond imaginatively and critically to literary texts drawn from a range of personal, social, historical and cultural contexts, including literature from the past and present and from Australian and other cultures. They study challenging written, spoken, visual, multimodal and digital texts that represent and reflect a changing global world.

Through their study of English, students can become critical thinkers, and articulate and creative communicators. They extend and deepen their ability to use language in subtle, nuanced, inventive and complex ways to express experiences, ideas and emotions. They refine their understanding of the dynamic relationship between language, texts and meaning. They do this through critical study and through the skillful and creative use of language forms and features, and of structures of texts composed for different purposes in a range of contexts. They extend their experiences in researching, accessing, evaluating and synthesising information and perspectives from a range of sources to fulfil a variety of purposes.

Through exploring and experimenting with processes of composition and response, students further develop understanding of how language is employed to create artistic expression in texts. They analyse the different ways in which texts may reflect and/or challenge and extend the conventions of other texts. They evaluate the meanings conveyed in these texts, and how this is achieved. Students further develop skills in independent, collaborative and reflective learning. Such skills form the basis of sound practices of investigation and analysis required for adult life, including the world of work as well as post-school training and education. The modules encourage students to question, reconsider and refine meaning through language, and to reflect on their own processes of responding, composing and learning.

What should I be able to do at the end of the course?

Throughout this course students develop an appreciation of the value and significance of quality literature. Through critical study of a range of texts, students acquire highly developed textual analysis and writing skills.

What else do I need to know about this course?

- This course is designed for students with a strong foundation in English and have demonstrated a highly developed textual analysis and writing skills.
- Students are required to study a range of challenging texts, including Shakespeare, in both Years 11 and 12.
- This course is designed for students who already have strong results in English and are passionate about literature.

How will this course help me in the future?

This course will enhance students' ability to independently interpret and respond to a range of complex texts. Students will develop the ability to communicate in a skillful and articulate manner.

For additional course information, please contact Ms Rachael Wilson, HeadTeacher English.

2 units for each of Preliminary and HSC

Board Developed Course

Exclusions: English Standard; English Advanced, English Extensions, EAL/D

What will I be doing in this course?

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.

Year 11 course

Students study the mandatory module, *Achieving through English: English in education, work and community* to develop an understanding of, and practical competence in, the use of language that allows access to opportunities in schooling, training and employment.

Students study two to four additional syllabus modules (selected based on their needs and interests).

Students may also study an optional teacher-developed module.

Year 12 course

The HSC Common Content consists of one module, *Texts and Human Experiences*, which is also common to the HSC Standard and the HSC Advanced courses where students analyse and explore texts and apply skills in synthesis.

Students study two to four additional syllabus modules (selected based on their needs and interests).

Students may also study an optional teacher-developed module.

What else do I need to know about this course?

- HSC students will be able to sit for an optional HSC examination and will be reported on a common scale with the English Standard and English Advanced courses.
- Students choosing not to sit for the English Studies HSC examination will still be eligible for the HSC if they have satisfactorily completed courses that comprise the pattern of study required by NESA.
- To be eligible for an ATAR, students studying the English Studies course must complete the optional HSC examination and include a further 8 units of Category A courses in their pattern of study.
- **English Studies is a Category B course**

What should I be able to do at the end of the course?

- English Studies builds students comprehension and communication skills through an engagement with a wide range of texts. Students should be able to communicate ideas with clarity and coherence.

How will this course help me in the future?

- This course will enable students to develop the foundational literacy skills essential for success in the workplace and life contexts.

For additional course information, please contact Ms Rachael Wilson, HeadTeacher English.

2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

The English Standard course is designed for students to increase their expertise in English to enhance their personal, educational, social and vocational lives. The English Standard course provides students, who have a diverse range of literacy skills, with the opportunity to analyse, study and enjoy a breadth and variety of English texts to become confident and effective communicators. English Standard offers a rich language experience that is reflected through the integrated modes of reading, writing, speaking, listening, viewing and representing.

Students engage with texts that include widely acknowledged quality literature from the past and contemporary texts from Australia and other cultures. They explore language forms, features and structures of texts in a range of academic, personal, social, historical, cultural and workplace contexts. Students study, analyse, respond to and compose texts to extend experience, access information and assess its reliability. They synthesise the knowledge gained from a range of sources to fulfil a variety of purposes. Responding to and composing texts provide students with the opportunity to appreciate the imaginative and the affective domains and to recognise the ways texts convey, interpret, question and reflect opinions and perspectives.

In their study of English, students continue to develop their creative and critical faculties and broaden their capacity for cultural understanding. The course provides diverse approaches to texts so that students may become flexible and critical thinkers, capable of appreciating the variety of cultural heritages and differences that make up Australian society. They further develop skills in literacy, and independent, collaborative and reflective learning. Such skills form the basis of sound practices of investigation and analysis required for adult life, including the world of work as well as post-school training and education. The course encourages students to analyse, reconsider and refine meaning and reflect on their own processes of writing, responding, composing and learning.

What else do I need to know about this course?

This course is a rigorous, academic course that entails the study of a range of quality texts. Students will develop their analytical and compositional skills.

This course is designed for students who are pursuing an academic pathway, but English is not their strongest subject.

What should I be able to do at the end of the course?

Students will develop their ability to interpret and analyse a range of texts and refine their compositional skills.

How will this course help me in the future?

This course will enable students to develop their ability to interpret and respond to a range of texts, and develop communication skills essential for success in workplace and further educational contexts.

For additional course information, please contact Ms Rachael Wilson, HeadTeacher English.

English Preliminary Extension 1

1 Unit in Preliminary

The ATAR logo consists of the word "ATAR" in a bold, sans-serif font, enclosed within a thin black circular border.

Prerequisites:

- English (Advanced) course

What will I be doing in this course?

The English Extension 1 course provides students who undertake Advanced English, and are accomplished in their use of English, with the opportunity to extend their use of language and self-expression in creative and critical ways. Through engaging with increasingly complex concepts through a broad range of literature, from a range of contexts, they refine their understanding and appreciation of the cultural roles and the significance of texts.

Students have the opportunity to pursue areas of interest with increased independence and to theorise about the processes of responding to and composing texts. Students learn about research methodology to enable them to undertake extensive investigation used to develop extended compositions. Throughout the course students explore and evaluate multiple meanings and relative values of texts. They explore a range of conceptual frameworks for the reading and composition of texts and examine a range of reading practices to develop awareness of the assumptions that guide interpretation and evaluation. They engage with complex texts that intellectually challenge them to think creatively and critically about the way that literature shapes and reflects the global world.

In this course, students will be studying how the Vampire Myth has been employed, transformed and subverted in a range of texts, including:

- Bram Stoker's *Dracula*
- Joel Schumacher's *Lost Boys*
- A related text of their own choosing.

What else do I need to know about this course?

- The course is designed for students with an interest in literature and a desire to pursue a specialised study of English.
- This is a rigorous and academic course designed for passionate students of English.
- Students should demonstrate highly developed textual analysis and compositional skills.

What should I be able to do at the end of the course?

Students will have a sophisticated ability to critically analyse a variety of complex, quality texts and respond in highly developed academic compositions.

How will this course help me in the future?

This course will effectively prepare students for the demands of academic research and composition.

For additional course information, please contact Ms Rachael Wilson, HeadTeacher English.

English HSC Extension 2

1 Unit in HSC



Board Developed Courses

Prerequisites:

- English (Advanced) course
- Preliminary English Extension Course is prerequisite for HSC Extension Course 1
- HSC Extension Course 1 is co-requisite for HSC Extension Course 2

Exclusions: English Standard; English Studies; EAL/D.

What will I be doing in this course?

The English Extension 2 course enables students who are accomplished in their use of English with the opportunity to craft language and refine their personal voice in critical and creative ways. They can master skills in the composition process to create a substantial and original Major Work that extends their knowledge, understanding and skills developed throughout Stage 6 English courses. Through the creative process they pursue areas of interest independently, develop deep knowledge and manipulate language in their own extended compositions.

Through the experimentation with and exploration of form, style and media students express complex concepts and values in innovative, insightful and powerful ways. The creative process involves the exploration and expression of complex human experiences, connects individuals to wider visions and perspectives, and enhances a student's enjoyment of literature and the aesthetics of language.

This course provides students with the opportunity to apply and extend research skills developed in the English Extension Year 11 course to their own extensive investigation and develop autonomy and skills as a learner and composer. English Extension 2 develops independent and collaborative learning skills and higher-order critical thinking that are essential at tertiary levels of study and in the workplace.

What else do I need to know about this course?

- Students in this course will be undertaking major work in one of the following mediums: short fiction, creative nonfiction, poetry, critical response, script, podcast, multimedia.
- It is essential that students in this course have a deep understanding and appreciation of literature.
- This course requires a highly developed ability to work independently.

What should I be able to do at the end of the course?

Students will have a comprehensive ability to engage in academic research and composition in the field of literary studies.

How will this course help me in the future?

This course will effectively prepare students for the demands of academic research and composition.

For additional course information, please contact Ms Rachael Wilson, HeadTeacher English.

English as an Additional Language or Dialect - EAL/D

ATAR

1 units for each of Preliminary and HSC

Board Developed Course

Exclusions: English Standard; English Advanced, English Extensions. Eligibility rules apply.

EAL/D students are those who are learning English as an additional language and who require additional support to assist them to develop English language proficiency and to achieve the Preliminary HSC and HSC outcomes for English (EAL/D).

The English EAL/D course may be studied by any student who has been educated overseas or in an Australian educational institution with English as the language of instruction for five years or less prior to commencing the Year 11 course. An English EAL/D Eligibility Declaration must be completed for any student seeking entry to the course.

The course provides students with the opportunity to analyse, study and enjoy a breadth and variety of English texts to become confident and effective communicators. The course offers rich language experiences that are reflected through the integrated modes of reading, writing, speaking, listening, viewing and representing. The English EAL/D course focuses on the close study of language and meaning and English language learning providing students with opportunities to develop and refine skills in spoken and written English.

Preliminary HSC English (EAL/D) - Year 11

Students study three modules to acquire, develop and use specific English language skills in their analysis of the ways in which authors and other composers convey meaning. The modules are *Language and Texts in Context*, *Close Study of Text* (a novel) and *Texts and Society*. The concurrent *Focus on Reading* encourages students to read widely to deepen their understanding of ideas and themes which arise during their English coursework.

Students are required to:

- study one substantial literary text, for example film, prose fiction, drama or a poetry text, which may constitute a selection of poems from the work of one poet
- study a range of types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts
- engage in regular wide reading connected to, and described in, each of the modules
- engage in speaking and listening components in each module.

HSC English (EAL/D) - Year 12

Students study four modules. In Module A, *Texts and Human Experiences*, students analyse and explore a range of short texts and apply skills in synthesis. Two additional modules, *Language Identity Culture* and *Close Study of Text*, focus on the ways in which authors and other composers convey meaning. Students also assess the effectiveness of texts for different audiences and purposes. *Focus on Writing* is studied concurrently throughout the year to develop students' understanding and use of language in developing their own written responses.

Students are required to:

- study at least three types of prescribed text, one drawn from each of the following categories: prose fiction; poetry **or** drama; film **or** media **or** nonfiction texts
- study a range of types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts
- study at least one related text in Module A: *Texts and Human Experiences*
- engage in speaking and listening components in each module.
- be educated in English for 5 years or less prior to Year 11 or the student is a refugee and/or has had interrupted schooling
- complete an eligibility criteria

For additional course information, please contact Ms Jenny Newell, Head Teacher EAL/D.

2 units for each of Preliminary and HSC

Board Developed Course

This replaces the Information Processes and Technology course. This course is an information systems course and not a programming, or coding course, but it describes and uses existing software to create solutions to real world problems. Both theoretical and practical activities are undertaken in class. The course would suit students wishing to go on to further studies in computer science or courses at University/TAFE that have a component of ICT in them such as e-commerce and media courses. It is particularly relevant to students who have not undertaken a computing course in stage 4 or are lacking general skills and knowledge in the use of computers.

What will I be doing in this course?

Enterprise Computing is the study of computer-based information systems. It focuses on information processes (Organising, Analysing, Storing and Retrieving, Processing, Transmitting and Receiving, and Displaying). Social, ethical and non-computer procedures in information systems are also considered. Through project work, students will create their own information system to meet an identified need.

The Preliminary course covers:

- Interactive media and the User Experience
- Networking systems and Social Computing.
- Principles of Cybersecurity.

In the preliminary course KHS students are trained in a range of interactive media, networking basics and the principles of Cyber security.

The HSC Course covers:

Data Science

- In the HSC course students examine software features that affect the privacy and security of data, big data, data warehousing and processing and presenting data.

Data Visualisation

- Design and develop a data visualisation for a specific scenario to represent trends, patterns and relationships, and illustrate predictive analysis incorporating big data.

Intelligent systems

- Investigate current and emerging technologies associated with intelligent systems, including AI and infrastructure requirements for an intelligent network in an enterprise with devices linked through an Internet of Things (IoT)

Enterprise Project

- The major assignment is marked internally and is worth 20% of the course mark. Students are to use a software package/s to produce a solution to a real-world problem following a system development cycle of: Understanding the problem, Planning, Designing, Implementing, Testing, Evaluating and Maintaining. Projects can/have include/d websites, videos, multimedia resource CD's, spreadsheet or database solutions, apps for mobile devices and programs.
- Techniques for managing a project including the documentation and planning of a project are considered in this section. Tools such as Gantt charts, context diagrams, DFD's, decision trees, decision tables, user manuals, diaries, storyboards, prototyping, feasibility studies, and methods of conversion are all considered.

What will I be able to do at the end of this course?

- Use software such as spreadsheets, databases and web authoring tools to create solutions to real world problems.
- Recognise information system solutions to real world problems
- Be aware of available and emerging information technologies
- Appreciate social and ethical issues associated with information technology such as; equity and access, privacy and copyright
- Have communication, personal and team skills to ensure that an information systems solution is appropriate for the needs of the user
- Understand related issues such as project management, documentation and user interfaces.

How will this course help me in the future?

The skills and concepts learnt in this course are transferrable to the work/assignments students undertake in other HSC courses in stage 6. The knowledge and skills learnt in this course are relevant to university/TAFE courses which have components of ICT, and they relate to a wide range of career roles.

For additional course information, please contact Ms Tracy Mackenzie, Head Teacher TAS.

2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

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

It is mandatory that students undertake practical activities in this course and will form part of the required assessment tasks

The Preliminary course covers:

- Nutrition; the fundamental understanding of the six nutrients and how our energy requirements change throughout the lifecycle
- Food Quality; how to prepare, store and serve safe and visual appealing food
- Food Availability and Selection; gain an understanding of the food sold on our supermarket shelves, what influences the choices we make.

The HSC course covers:

- The Australian Food Industry; from paddock to plate, where our food travels and the policy and legislation that governs our food industry as well as an industry study
- Contemporary Nutrition Issues; focus on diet related disorders and the growing issue of childhood obesity
- Food Manufacture; large scale food production, the processes that food goes through to get to your dinner table
- Food Product Development; why the choice of food products available is always changing

What should I be able to do at the end of the course?

- Make responsible decisions regarding food choices
- Research and analyse information
- Experiment with, communicate, evaluate and manage resources.

What else do I need to know about this course?

A materials fee applies to this course

How will this course help me in the future?

This course will provide you with the knowledge, skills and attitudes to contribute positively to your own pathways to employment or further education at TAFE NSW or University. It will also give you knowledge and skills that you will take into the future and apply to your life every day. If you are passionate about food and its influence on health and wellbeing or you desire to know more about contemporary nutrition issues this course is suitable for you. You will learn and develop a passion for food by developing the skills to plan, prepare and present nutritious meals for yourself, your family and friends while learning for life. The study of Food Technology will give you credit transfer in some certificate and diploma courses at TAFE NSW. Career options might include medical studies, dietetics, food technology, teaching, nutrition, sports medicine/science courses, personal training, lifestyle coaching and many more.

For additional course information, please contact Ms Tracy Mackenzie, Head Teacher TAS.

2 Units for each of Preliminary and HSC

Board Developed Course

Exclusions: French Continuers. Eligibility rules apply to the study of this course. Check with your teacher or the Board's ACE Manual.

No knowledge of French is required. Students who select this course must be beginners. Students who studied French in Year 8 only are also eligible.

What will I be doing in this course?

In the Preliminary course, students will develop their knowledge and understanding of French across a range of topics, relating to their personal world and the French speaking community. These will be explored through the integrated use of the four skills: listening, speaking, reading and writing. In the HSC course, students will continue to develop their knowledge and understanding of French through the four skills.

Study may cover new topics or more detailed treatment of topics previously studied. The external HSC will include a reading and writing paper and a listening and speaking examination.

What should I be able to do at the end of this course?

- Communicate on a personal level with native speakers of French and travel in French-speaking countries
- Participate fully in every-day life and tourist 'survival' situations like catching public transport, seeking medical attention and arranging accommodation
- Understand and appreciate French culture and society
- Further knowledge of French through continued learning or for future employment opportunities

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

The study of French provides students with knowledge, understanding and the skills that form a valuable foundation for a range of courses at university and other tertiary institutions.

Many courses, ranging from Applied Science through Business and Administration, Communication and Humanities, the Creative and Performing Arts, Design, Education, Psychology, Social and Community Services, Engineering, Health Sciences, Sport and Recreation, Information Technology, Tourism and Hospitality can all be enhanced with International Studies. This provides the opportunity to spend a year of in-country study in France and can result in a double degree.

The ability to move between countries, cultures and languages has increased due to globalisation, ease of travel and advanced information and communication technologies. High quality education in languages enables students to respond positively to the opportunities and challenges of their rapidly changing world and become more accepting of diversity, more respectful of others and more aware of their place in the international community.

French-speaking communities have an important economic presence in Australia and are a major trading partner. Australia is also a popular destination for French-speaking tourists. France has a major role in both European and world affairs and is at the forefront of scientific and medical research, technology, telecommunications and trade. French is a significant commercial language throughout Europe.

A knowledge of French provides students with opportunities to continue learning and for future employment both domestically and internationally in areas including commerce, tourism, hospitality and diplomacy.

Learning a language also helps to improve literacy skills in English.

For additional course information, please contact Ms Amali Ranaweera, Head Teacher Languages.

2 units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

The Year 11 course is structured to provide students with opportunities to develop and apply their understanding of the geographical concepts of place, space, environment, interconnection, scale, sustainability and change. Students investigate natural systems; people, patterns and processes; and human–environment interactions. They develop an understanding of the nature and value of geographical inquiry through planning and conducting a geographical investigation.

The Year 12 course is structured to provide students with opportunities to develop and apply their understanding of the geographical concepts of place, space, environment, interconnection, scale, sustainability and change. Students investigate global sustainability, rural and urban places, and ecosystems and global biodiversity.

Key concepts incorporated across all topics are place, space, environment, interconnection, scale, sustainability and change.

Fieldwork is a mandatory and exciting part of both the Year 11 and Year 12 course including excursions. Fieldwork is also integrated into assessment tasks and provides opportunities to apply geographical skills and tools in a real-life context.

What should I be able to do at the end of this course?

- develop knowledge and understanding of natural and human processes, how they interact and affect each other, and how places and environments can be managed for sustainability
- apply geographical inquiry skills and tools, including fieldwork
- develop a lifelong interest in the study of geography
- prepare for informed, responsible and active citizenship in the contemporary world.

How will this course help me in the future?

Geography gives students a broad range of skills to interpret the world around them. It also helps to shape their lives so that they maximise their enjoyment of the wonders of nature while minimising the negative impact on the systems that support life on the planet.

If you are concerned about human impacts on the environment, sustainability, government policy, international development and the role of the individual, then Geography is for you. It ties into numerous careers, including government policy, journalism, architecture, environmental management, tourism, law and science. The leaders of the future must think globally and act locally. Geography gives you a head start.

For additional course information, please contact Mr Mark Honeysett, Head Teacher HSIE Green.

2 Units for each of Preliminary and HSC

Board Developed Course

Exclusions: German Continuers. Eligibility rules apply to the study of this course. Check with your teacher or the Board's ACE Manual.

No knowledge of German is required. Students who select this course must be beginners. Students who studied German in Year 8 only are also eligible.

What will I be doing in this course?

In the Preliminary course, students will develop their knowledge and understanding of German across a range of topics, relating to their personal world and the German speaking community.

These will be explored through the integrated use of the four skills: listening, speaking, reading and writing. In the HSC course, students will continue to develop their knowledge and understanding of German through the four skills.

Study may cover new topics or more detailed treatment of topics previously studied. The external HSC will include a reading and writing paper and a listening and speaking examination.

What should I be able to do at the end of this course?

- Communicate on a personal level with native speakers of German and travel in German-speaking countries
- Participate fully in every-day life and tourist 'survival' situations like catching public transport, seeking medical attention and arranging accommodation
- Understand and appreciate German culture and society
- Further knowledge of German through continued learning or for future employment opportunities

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

The study of German provides students with knowledge, understanding and the skills that form a valuable foundation for a range of courses at university and other tertiary institutions.

Many courses, ranging from Applied Science through Business and Administration, Communication and Humanities, the Creative and Performing Arts, Design, Education, Psychology, Social and Community Services, Engineering, Health Sciences, Sport and Recreation, Information Technology, Tourism and Hospitality can all be enhanced with International Studies. This provides the opportunity to spend a year of in-country study in Germany and can result in a double degree.

The ability to move between countries, cultures and languages has increased due to globalisation, ease of travel and advanced information and communication technologies.

High quality education in languages enables students to respond positively to the opportunities and challenges of their rapidly changing world and become more accepting of diversity, more respectful of others and more aware of their place in the international community.

German-speaking communities have an important economic presence in Australia and are a major trading partner. Australia is also a popular destination for German-speaking tourists. Germany has a major role in both European and world affairs and is at the forefront of scientific and medical research, technology, telecommunications and trade. German is a significant commercial language throughout Europe. A knowledge of German provides students with opportunities to continue learning and for future employment both domestically and internationally in areas including commerce, tourism, hospitality and diplomacy.

Learning a language also helps to improve literacy skills in English.

Health and Movement Science (new syllabus) (Formerly known as PDHPE)



2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

Health and Movement Science is an exciting new course that builds on the foundational knowledge, understanding and skills developed in the PDHPE K–10 course.

Health and Movement Science draws on a multitude of fields and the application of scientific concepts to actively engage students in learning about the factors that influence health and movement. While there is tremendous opportunity for good health, there are numerous conflicting influences on lifestyle, which are impacting health outcomes. In this syllabus, students investigate the health status of Australians and the interrelated factors that affect the health of individuals and communities. Students explore the factors that influence movement and performance, and develop the skills to enhance movement for themselves and others throughout their lifetime.

The study of health sciences draws on epidemiology, dimensions and determinants of health, and social justice principles. This enables students to think critically about the equity, access and sustainability of health and wellbeing for individuals and communities. Health promotion is explored as a way to improve health for individuals and communities. Students investigate the United Nations Sustainable Development Goals (SDGs), which represent an ambitious vision of a healthier, more prosperous, inclusive and resilient world.

Participation in physical activity plays a significant role in improving the health and wellbeing of individuals and communities. Learning in, through and about the movement sciences involves exploring and thinking critically about the interrelationships between anatomy, physiology, biomechanics, psychology, sociology, nutrition, skill acquisition, injury prevention and rehabilitation. Acquiring the knowledge and skills to be physically active can optimise individual and team performance and develop positive movement habits across the lifespan.

The course provides opportunities to explore areas of interest in greater depth and apply health and movement concepts to various contexts and groups. To equip students to navigate the dynamic nature of health and movement, emphasis is given to developing skills of collaboration, analysis, communication, creative thinking, problem-solving and research. These skills are developed through the inclusion of a Collaborative Task and Depth Studies allowing students to explore content through practical application and experimentation, focusing on content areas of class interest.

In the Preliminary course, the topics studied are: Health for Individuals and Communities, and The Body and Mind in Motion. In the HSC course, the topics studied are: Health in an Australian and Global Context, and Training for Improved Performance.

What should I be able to do at the end of the course?

- Interpret meanings, measures and patterns of health experienced by Australians
 - Analyse the health status of Australians at a national and international level
 - Analyse methods and resources to improve and advocate for the health of young Australians
 - Examine how technology and data can achieve better health for all Australians
 - Evaluate how the Sustainable Development Goals can be used to improve the health of a community
 - Analyse the systems of the body in relation to movement
 - Investigate factors that impact movement and performance
 - Investigate movement skills and psychology to improve participation and performance
 - Analyse individual and group training programs to improve performance
 - Demonstrate strategies to positively interact with others to develop an understanding of health and movement concepts
 - Critically analyse the relationships and implications of health and movement concepts
 - Communicate health and movement concepts using modes appropriate to a range of audiences and contexts
 - Generate and assess new ideas that are meaningful and relevant to health and movement contexts
 - Propose and evaluate solutions to complex health and movement issues
-
- Analyse a range of sources to make conclusions and judgements about health and movement concepts

How will this course help me in the future?

Undertaking this course will provide foundation studies for those students with a special or vocational interest in human movement, and individual and community health issues. The course would be of great benefit to anyone wishing to take up a career in any of the sport sciences, medicine, nursing, nutrition, health promotion, physiotherapy, coaching, psychology or physical education teaching.

For additional course information, please contact Mr Duncan Smith, Head Teacher PDHPE.

2 Units for each of Preliminary and HSC and an optional 1 Unit HSC Extension

Board Developed Course

Prerequisites: School Certificate Hebrew or equivalent knowledge is assumed. Candidates should have basic reading and writing skills and be able to understand simple conversation.

Exclusions: Hebrew Beginners

What will I be doing in this course?

The Preliminary and HSC courses focus on themes and associated topics. Students' skills in and knowledge of Hebrew will be developed through tasks associated with a range of texts and text types, which reflect the themes and topics. Students will also gain an insight into the culture and language of Hebrew-speaking communities through the study of a range of texts. The themes are the individual, the Hebrew-speaking communities and the changing world.

Students' language skills are developed through tasks such as conversation, responding to an aural stimulus, responding to a variety of written material, writing for a variety of purposes and studying Hebrew culture through texts.

What should I be able to do at the end of the course?

- Communicate with native speakers of Hebrew and travel in Hebrew-speaking countries
- Exchange information, opinions and experiences in Hebrew
- Express ideas through the production of original texts in Hebrew
- Analyse, process and respond to texts that are in Hebrew
- Understand and appreciate Hebrew culture and society
- Apply Hebrew language skills in work, further study and leisure activities
- Continue the study of Hebrew at tertiary level

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

The study of Hebrew provides students with knowledge, understanding and the skills that form a valuable foundation for a range of courses at university and other tertiary institutions. Many courses, ranging from Applied Science through Business and Administration, Communication and Humanities, the Creative and Performing Arts, Design, Education, Psychology, Social and Community Services, Engineering, Health Sciences, Sport and Recreation, Information Technology, Tourism and Hospitality can all be enhanced with International Studies.

This provides the opportunity to spend a year at an in-country study in Hebrew and can result in a double degree.

The ability to move between countries, cultures and languages has increased due to globalisation, ease of travel and advanced information and communication technologies.

High quality education in languages enables students to respond positively to the opportunities and challenges of their rapidly changing world and become more accepting of diversity, more respectful of others and more aware of their place in the international community.

Hebrew speaking communities have an important economic presence in Australia and are a major trading partner. Australia is also a popular destination for Hebrew-speaking tourists. Hebrew is spoken in 42 countries. It is a significant commercial language throughout Europe. A knowledge of Hebrew provides students with opportunities to continue learning and for future employment both domestically and internationally in areas including commerce, tourism, hospitality and diplomacy.

Learning a language also helps to improve literacy skills in English.

For additional course information, please contact Ms Amali Ranaweera, Head Teacher Languages.



2025 Cookery Course Descriptor SIT20421 Certificate II in Cookery

This information may change due to the Training Package and NSW Education Standards Authority (NESA) updates. Notification of variations will be made in due time with minimal impact.

Course: [Hospitality \(Cookery\)](#)

Industry Curriculum Framework (ICF)
Australian Tertiary Admission Rank (ATAR) eligible course

HSC credit – 4 units

(2 units x 2 years or 4 units x 1 year)
Board Developed Course (240 hour)

By enrolling in this VET qualification with the NSW Department of Education RTO 90333, you are choosing to participate in a program of study which will provide you a pathway towards, HSC accreditation and a nationally recognised qualification (dual accreditation). To receive this qualification, you must meet the assessment requirements of SIT20421 Certificate II in Cookery <https://training.gov.au/training/details/SIT20421>. You will be expected to complete all the requirements of the Registered Training Organisation and NESA. To gain the full qualification you must achieve 13 units of competency. A statement of attainment towards the qualification is possible if at least one unit of competency is achieved.

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

Transferrable industry skills gained in this course

- teamwork
- attention to detail
- organisational skills
- adaptability
- communication
- problem solving

Examples of occupations in the hospitality industry

- assistant cook
- short order cook
- food preparation cook
- chef
- breakfast cook
- sandwich hand

VET requirements

Competency-Based Assessment

In this course you will work to develop the skills and knowledge described in each unit of competency. To be assessed as competent you must demonstrate your ability to satisfactorily complete the tasks required in the assessments.

Appeals and Complaints

You may lodge a complaint or an appeal about a decision (including assessment decisions) by following the Appeals and Complaints Guidelines

HSC requirements

Mandatory course requirements

You must complete 240 indicative hours of course work and a minimum of 70 hours work placement. Not meeting these requirements will incur an 'N' determined as required by NESA.

External Assessment (optional HSC examination for ATAR purposes)

The Higher School Certificate examination for Hospitality is only available after completion of 240 indicative hours and will involve a written examination consisting of multiple-choice, short answers and extended response items. The examination is independent of the competency-based assessment undertaken during the course and has no impact on your eligibility to receive a vocational qualification.

A school-based traineeship is available in this course. For more information:

<https://education.nsw.gov.au/schooling/students/career-and-study-pathways/school-based-apprenticeships-and-traineeships/traineeships/certificate-ii-hospitality-kitchen-operations>

Exclusions: In this Framework, students can only undertake the Hospitality (120 indicative hours) course or the Hospitality (240 indicative hours) course.

General information about NESA VET course exclusions can be found <https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions>

For additional course information, please contact Ms Yvonne Zhang, Head Teacher Secondary Studies.

2 units for each of Preliminary and HSC

Board Developed Course

Exclusions: Some Industry Focus areas with similar VET Curriculum Framework streams and Content Endorsed Courses

Students can only select one focus area of Industrial Technology.

What will I be doing in this course?

Industrial Technology Stage 6 consists of project work and an Industry Study, which develops a broad range of skills and knowledge, related to the industry focus area chosen and an introduction to industrial processes and practices.

The Focus Areas include: Multimedia Industries, Timber Products and Furniture Industries.

In the Preliminary course, students must design, develop and construct a number of projects. Each project must include a management folio. Also students must undertake the study of an individual business within the industry.

The following sections are taught in relation to the relevant focus area:

- Industry Study - structural, technical, environmental and sociological factors, personnel issues, Occupational Health and Safety
- Design and Management – designing, drawing, computer applications, project management
- Workplace Communication – literacy, calculations, graphics
- Industry Specific Content and Production.

In the HSC course, students must design, develop and construct a Major Project with a management folio. Also they must undertake a study of the overall industry related to the specific focus area.

The following sections are taught in relation to the relevant focus area:

- Industry Study
- Design and Management
- Workplace Communication
- Industry Specific Content and Production

What else do I need to know about this course?

The marks for this course are eligible for inclusion in the ATAR.

A materials fee applies to this course. In addition, students must purchase their own timber in the Timber HSC course.

How will this course help me in the future?

Industrial Technology gives students knowledge and skills in a particular industry and increases job opportunities in a range of practical occupations.

For additional course information, please contact Ms Tracy Mackenzie, Head Teacher TAS.

2 Units for each of Preliminary (Year 11) and HSC (Year 12)

Board Developed Course

What will I be doing in this course?

Students explore scientific processes and apply those processes to investigate community and global scientific issues. The course is focused on developing the Working Scientifically skills and promotes active inquiry. It explores key concepts, models and phenomena in Science.

This course is designed to complement the study of the other science disciplines.

Investigating Science can be studied alone or in combination with Biology or Chemistry or Earth and Environmental Science or Physics (or any combination up to 6 units).

The Preliminary (Year 11) course develops knowledge and understanding of cause and effect and of models, theories and laws. It covers 4 modules: Cause and Effect-Observing; Cause and Effect-Inferences and Generalisations; Scientific Models; Theories and Laws; and 1 depth study.

The HSC (Year 12) course develops knowledge and understanding of science and technology and contemporary issues involving science. It covers 4 modules: Scientific Investigations; Technologies; Fact or Fallacy; Science and Society; and 1 depth study.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus.

Practical investigations should occupy a minimum of 70 hours of course time across both the Preliminary (Year 11) and HSC (Year 12) courses including time allocated to practical investigations in depth studies.

What should I be able to do at the end of the course?

- Understand and critically appraise key concepts of science
- Apply experimental skills in observation, manipulation, measurement and experimental design
- Use appropriate digital technologies
- Use terminology and reporting styles appropriately to communicate information
- Work effectively as an individual and as a team member
- Solve problems relating to key scientific concepts

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

The knowledge, understanding and skills gained from this course are intended to support students' ongoing engagement in science, to form the foundation for further studies and support participation in current and emerging STEM-related post-school activities and industries.

For additional course information, please contact Mr David Aubusson, Head Teacher Science.

2 Units for each of Preliminary and HSC

Board Developed Course

Exclusions: Japanese Continuers. Eligibility rules apply to the study of this course. Check with your teacher or the Board's ACE Manual.

No knowledge of Japanese is required. Students who select this course must be beginners. Students who studied Japanese in Year 8 only are also eligible.

What will I be doing in this course?

In the Preliminary course, students will develop their knowledge and understanding of Japanese across a range of topics, relating to their personal world and the Japanese speaking community.

These will be explored through the integrated use of the four skills: listening, speaking, reading and writing. In the HSC course, students will continue to develop their knowledge and understanding of Japanese through the four skills.

Study may cover new topics or more detailed treatment of topics previously studied. The external HSC will include a reading and writing paper and a listening and speaking examination.

What should I be able to do at the end of this course?

- Communicate on a personal level with native speakers of Japanese and travel in Japanese-speaking countries
- Participate fully in every-day life and tourist 'survival' situations like catching public transport, seeking medical attention and arranging accommodation
- Understand and appreciate Japanese culture and society
- Further knowledge of Japanese through continued learning or for future employment opportunities.

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

The study of Japanese provides students with knowledge, understanding and the skills that form a valuable foundation for a range of courses at university and other tertiary institutions.

Many courses, ranging from Applied Science through Business and Administration, Communication and Humanities, the Creative and Performing Arts, Design, Education, Psychology, Social and Community Services, Engineering, Health Sciences, Sport and Recreation, Information Technology, Tourism and Hospitality can all be enhanced with International Studies. This provides the opportunity to spend a year of in-country study in Japan and can result in a double degree.

The ability to move between countries, cultures and languages has increased due to globalisation, ease of travel and advanced information and communication technologies.

High quality education in languages enables students to respond positively to the opportunities and challenges of their rapidly changing world and become more accepting of diversity, more respectful of others and more aware of their place in the international community.

Japanese-speaking communities have an important economic presence in Australia and are a major trading partner. Australia is also a popular destination for Japanese-speaking tourists. Japan has a major role in both Asian and world affairs and is at the forefront of scientific and medical research, technology, telecommunications and trade. Japanese is a significant commercial language in Asia and worldwide. A knowledge of Japanese provides students with opportunities to continue learning and for future employment both domestically and internationally in areas including commerce, tourism, hospitality and diplomacy.

Learning a language also helps to improve literacy skills in English.

Japanese Continuers

2 Units for each of Preliminary and HSC and an optional 1 Unit HSC Extension

Board Developed Course

Prerequisites: School Certificate Japanese or equivalent

Exclusions: Japanese Beginners; Japanese Background Speakers. Other eligibility rules apply to the study of this course. Check with your teacher or the Board's ACE Manual.

What will I be doing in this course?

The Preliminary and HSC courses focus on themes and associated topics.

Students' skills in, and knowledge of, Japanese will be developed through tasks associated with a range of texts and text types, which reflect the themes and topics. Students will also gain an insight into the culture and language of Japanese-speaking communities through the study of a range of texts.

The themes are: the individual; the Japanese-speaking communities; the changing world.

Students' language skills are developed through tasks such as: conversation; responding to an aural stimulus; responding to a variety of written material; writing for a variety of purposes; studying Japanese culture through texts.

The 1 Unit HSC Japanese Extension course is available in Year 12 for students who have completed Preliminary Japanese Continuers, and are currently studying HSC Japanese Continuers.

The Extension course has a prescribed theme and related issues as its organisational focus. Students' knowledge and understanding of Japanese language and culture will be enhanced through accessing a variety of texts, some of which are prescribed, related to the theme and issues. Students will extend their ability to use and appreciate Japanese as a medium for communication and creative thought and expression. The theme in the Extension course is the individual and contemporary society. The prescribed issues are: impact of technology; group versus the individual; overcoming personal difficulties.

What should I be able to do at the end of the course?

- Communicate with native speakers of Japanese and travel and study in Japan
- Exchange information, opinions and experiences in Japanese
- Express ideas through the production of original texts in Japanese
- Analyse, process and respond to texts that are in Japanese
- Understand and appreciate Japanese culture and society
- Apply Japanese language skills in work, further study and leisure activities
- Continue the study of Japanese at tertiary level

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

The study of Japanese provides students with knowledge, understanding and the skills that form a valuable foundation for a range of courses at university and other tertiary institutions.

Many courses, ranging from Applied Science through Business and Administration, Communication and Humanities, the Creative and Performing Arts, Design, Education, Psychology, Social and Community Services, Engineering, Health Sciences, Sport and Recreation, Information Technology, Tourism and Hospitality can all be enhanced with International Studies.

This provides the opportunity to spend a year of in-country study in Japan and can result in a double degree.

The ability to move between countries, cultures and languages has increased due to globalisation, ease of travel and advanced information and communication technologies. High quality education in languages enables students to respond positively to the opportunities and challenges of their rapidly changing world and become more accepting of diversity, more respectful of others and more aware of their place in the international community.

Japanese companies have an important economic presence in Australia and Japan is a major trading partner. Australia is also a popular destination for Japanese tourists.

Japan has a major role in world affairs. It is in the forefront of technology, telecommunications and trade.

Japanese is a significant commercial language throughout the Asia Pacific region. A knowledge of Japanese provides students with opportunities to continue learning and for future employment both domestically and internationally in areas including commerce, tourism, hospitality and diplomacy.

Learning a language also helps to improve literacy skills in English.

For additional course information, please contact Ms Amali Ranaweera, Head Teacher Languages.

2 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

The Preliminary course develops students' knowledge and understanding of the nature and functions of law and law-making, the development of Australian and international legal systems, the Australian constitution and the role of the individual. This is achieved by investigating, analysing and synthesising legal information and by investigating legal issues from a variety of perspectives.

The Preliminary course covers: The Legal System; The Individual and the Law; The Law in Practice.

The HSC course investigates the key areas of law, justice and human rights through a variety of focus studies that consider how changes in societies influence law reform.

The HSC course covers: Human Rights; Crime; additional options.

Two options are chosen from: Consumers, Family, Global Environmental Protection, Indigenous People, Shelter, Workplace, World Order.

There are a number of key themes that are incorporated across the course such as:

- The need for law in the operation of society;
- Influences on the Australian legal system;
- Issues of compliance and non-compliance.

What should I be able to do at the end of the course?

- Use and understand terms used in the legal process
- Recognise legal problems and demonstrate logical reasoning in applying legal principles
- Develop a working knowledge of the Australian legal system
- Understand the evolution of the current legal system
- Evaluate the effectiveness of our legal system.

How will this course help me in the future?

The study of Stage 6 Legal Studies provides students with knowledge, understanding and skills that form a valuable foundation for a range of courses at university and other tertiary institutions.

In addition, the study of Stage 6 Legal Studies assists students to prepare for employment and full and active participation as citizens. In particular, there are opportunities for students to gain recognition in vocational education and training.

2 Units for each of Preliminary and HSC

Board Developed Course

Prerequisites: The Mathematics Advanced Year 11 course has been developed on the assumption that students have studied the content and achieved the outcomes of the NSW **Mathematics Years 7–10 Syllabus** and in particular, the content and outcomes of all sub strands of Stage 5.1 and Stage 5.2, the following sub strands of Stage 5.3: Algebraic techniques, Surds and indices, Equations, Linear relationships, Trigonometry and Pythagoras' theorem, Single variable data analysis, Non-linear relationships and Properties of Geometrical figures.

Exclusions: Standard Mathematics

What will I be doing in this course?

The course is intended to give students, who have demonstrated competence in the skills of Stage 5 Mathematics, an understanding of and competence in some further aspects of mathematics, which are applicable to the real world. It has general educational merit and is also useful for concurrent studies in science and commerce.

The course 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. Students, who require substantial mathematics at a tertiary level, supporting the physical sciences, computer science or engineering, should undertake the Mathematics Extension 1 course or both the Mathematics Extension 1 and Mathematics Extension 2 courses.

The Preliminary course covers: Functions; Trigonometric functions; Introductory Calculus; Exponential and Logarithmic Functions; Probability and Probability distributions.

The HSC course covers: Graphing Techniques; Trigonometric functions and Graphs; Applications of Differentiation and Integration; Financial mathematics; Bivariate data analysis and continuous random variables.

What should I be able to do at the end of the course?

- Have confidence to do mathematics, demonstrating an independent and positive approach to mathematics.
- Develop an awareness of the usefulness of mathematics in the community and appreciate the contribution of mathematics to our society.
- Use appropriate logic, problem solving and reasoning skills to analyse and solve a given problem.

How will this course help me in the future?

The Mathematics Advanced (2 Unit) course provides the minimum basis for entry into university courses requiring mathematics, including courses in science, engineering, computing, economics and business studies. Students intending to do tertiary studies should check recommendations for specific courses.

Students who have acquired a very high level of competence in the 5.3 course in Years 9 and 10 and who require substantial mathematics at a tertiary level, supporting the physical sciences, computer science or engineering, should undertake the Mathematics Extension 1 or Extension 2 courses in conjunction with the Mathematics Advanced course.

For additional course information, please contact Mrs Rema Nath, Head Teacher Mathematics.

2 Units for each of Preliminary and HSC

Board Developed Course

There are two Standard Mathematics courses offered in Stage 6. Regardless of which HSC course student's study (Standard 1 or Standard 2), ALL students study the same content in the Preliminary Standard Mathematics Course.

The HSC Mathematics Standard 2 course is an (examinable) Board Developed Course, allowing students to count their mathematics study towards the calculation of an ATAR in 2024.

The Mathematics Standard 1 course has an optional HSC examination that can be used to contribute towards a student's ATAR in 2024. This course will only run as a course for the 2024 HSC if student interest is sufficient.

Prerequisites: The Preliminary Mathematics Standard course is constructed on the assumption that students have experienced all of the Stage 5.1 content of the *Mathematics Years 7–10 Syllabus* (2012). For students who intend to study the HSC Mathematics Standard 2 course, it is recommended that they experience at least some of the Stage 5.2 content, particularly the sub strands of: Financial mathematics, Linear relationships, Non-linear relationships, Trigonometry, Single variable data analysis and Probability. Completion of the Preliminary Mathematics Standard course is a prerequisite for the study of the HSC Mathematics Standard 2 course (and the HSC Mathematics Standard 1 course).

Exclusions: Students may not study the Preliminary Mathematics Standard course or the HSC Mathematics Standard 2 course (or the HSC Mathematics Standard 1 course) in conjunction with any other mathematics course in Stage 6.

What will I be doing in this course?

The Preliminary Mathematics Standard course contains four strands: Algebra, Measurement, Financial Mathematics and Statistical Analysis and is focused on enabling students to use mathematics effectively, efficiently and critically to make informed decisions in their daily lives.

The HSC Mathematics Standard 2 course has been written on the assumption that students have demonstrated a high level of competence in the Preliminary Mathematics Standard course. It is designed for students who want to extend their mathematical skills beyond Stage 5 but are not seeking the in-depth knowledge of higher mathematics that the study of calculus would provide. This course offers students the opportunity to prepare for a wide range of educational and employment aspirations, including continuing their studies at a tertiary level.

The HSC Mathematics Standard 1 course is designed to help students improve their numeracy by building their confidence and success in making mathematics more meaningful. This course offers students the opportunity to prepare for post-school options of employment or further training.

What should I be able to do at the end of this course?

- apply reasoning, and the use of appropriate language, in the evaluation and construction of arguments and the interpretation and use of models based on mathematical concepts.
- use concepts and apply techniques to the solution of problems in algebra and modelling, measurement, financial mathematics, data and statistics, probability and networks.
- 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 graphs.

How will this course help me in the future?

The Preliminary Mathematics Standard/HSC Mathematics Standard 2 pathway provides a context within which to develop general competencies considered essential for the acquisition of effective, higher-order thinking skills necessary for further education, work and everyday life.

The HSC Mathematics Standard 2 course provides students with the opportunity to develop an understanding of, and competence in, further aspects of mathematics through a large variety of real-world applications for a range of concurrent HSC studies, such as in the life sciences, the humanities and business studies.

The HSC Mathematics Standard 2 course provides a strong foundation for a broad range of vocational pathways, as well as for a range of university courses.

The HSC Mathematics Standard 1 course improves students numeracy skills and allows them to better manage situations and solve problems in real contexts, such as everyday life, work or further learning.

Mathematics Preliminary Extension 1

1 Unit in Preliminary

Mathematics HSC Extension 1

1 Unit in HSC

Mathematics HSC Extension 2

1 Unit in HSC



Board Developed Courses

Prerequisites: The Mathematics Extension 1 Year 11 course has been developed on the assumption that students have studied the content and achieved the outcomes of the NSW **Mathematics Years 7–10 Syllabus** and, in particular the content and outcomes of all sub strands of Stage 5.1, Stage 5.2 and Stage 5.3, including the optional sub strands: Polynomials, Logarithms, Functions and other Graphs and Circle Geometry.

They must concurrently be studying Mathematics Advanced 2 Unit and Extension 1 courses both in Preliminary and HSC years. HSC Extension 1 course is a prerequisite for Extension 2 course.

Exclusions: Standard Mathematics

What will I be doing in these courses?

The content of the Extension courses and its depth of treatment indicate that it is intended for students who have demonstrated a mastery of the skills of Stage 5 Mathematics and who are interested in the study of further skills and ideas in mathematics. The course is intended to give these students a thorough understanding of, and competence in, aspects of mathematics, including many which are applicable to the real world.

It has general educational merit and is also useful for concurrent studies of science, industrial arts and commerce.

The Preliminary Extension 1 course covers: Graphical Relationships and Inequalities; Polynomials; Inverse Functions; Inverse Trigonometric Functions; Further Trigonometric Identities; Rates of change; Combinatorics and harder applications of the Mathematics course.

The HSC Extension 1 course covers:

- Proof by Mathematical Induction
- Operations with Vectors
- Projectile Motion
- Trigonometric Equations
- Integration of \sin^2x , \cos^2x and Inverse Trigonometric functions
- Applications of Calculus
- Differential equations
- The Binomial Distribution
- Normal approximation to sample proportion

The HSC Extension 2 course is designed for students with a special interest in mathematics and have shown that they possess special aptitude for the subject.

They must concurrently be studying Mathematics Advanced 2 Unit and HSC Extension 1.

The course offers a suitable preparation for study of mathematics at tertiary level, as well as a deeper and more extensive treatment of certain topics than is offered in other mathematics courses.

It represents a distinctly high level in school mathematics involving the development of considerable manipulative skill and a high degree of understanding of the fundamental ideas of algebra and calculus.

These topics are treated in some depth. Thus, the course provides a sufficient basis for a wide range of useful applications of mathematics as well as an adequate foundation for the further study of the subject.

The main topics covered are: The Nature of Proof, Further Proof by Mathematical Induction, Three-dimensional Vectors, Complex Numbers, Integration and Mechanics.

What should I be able to do at the end of this course?

- Appreciate the intellectually challenging nature of mathematics and experience success in solving difficult problems.
- Approach problems requiring complex and abstract mathematics with a positive, inquiring and self-assured attitude.
- Apply complex mathematics techniques to a wide variety of challenging problems.
- Have confidence in my ability to do mathematics and enjoy seeing mathematics in the world around me.
- Be aware of the usefulness of mathematics in the community and appreciate the contribution of mathematics to our society.

How will this course help me in the future?

The Extension 1 course is a recommended minimum basis for further studies in mathematics as a major discipline at university and for the study of mathematics in support of the physical and engineering sciences.

Although the course is sufficient for these purposes, students of outstanding mathematical ability should consider undertaking the Mathematics Extension 2 course that is excellent preparation for tertiary study in mathematics or science-based courses. Students should check recommendations for specific courses.

For additional course information, please contact Mrs Rema Nath, Head Teacher Mathematics.

2 Units for each of Preliminary and HSC and an optional 1 Unit HSC Extension

Board Developed Course

What will I be doing in this course?

The Preliminary course is structured to provide students with opportunities to develop and apply their understanding of methods and issues involved in the investigation of modern history. Students investigate various aspects of the modern world, including people, ideas, movements, events and developments.

The Preliminary Course consists of:

I: Investigating Modern History The

Nature of Modern History

Examples of case studies include the Assassination of JFK, the Decline and Fall of the Romanov Dynasty, the Boxer Rebellion in China, the Meiji Restoration and Decolonisation in Indochina

II: Historical Investigation – Terrorism in the modern world

III: The Shaping of the Modern World - World War I

The HSC course is structured to provide students with opportunities to apply their understanding of sources and relevant historiographical issues in the investigation of the modern world.

The HSC Course, focused on the 20th Century, consists of:

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

II: ONE National Study

III: ONE Peace and Conflict study

IV: ONE Change in the Modern World study

Students who have successfully completed the Preliminary Course and continue studying an HSC Course in either Modern or Ancient History are eligible to attempt the HSC History Extension Course. The History Extension Course involves the study and evaluation of the ideas and processes used by historians to produce history. In Part I of the course, students investigate the construction of history through exploring key questions and one case study of a topic such as the Crusades or the Salem Witch Trials. In Part II, students design, undertake and communicate an individual investigative project. Students must have good research skills and an independent approach to learning to be successful in this course.

What should I be able to do at the end of the course?

- Explain and form arguments about the cause and effects of change
- Evaluate the role of historical features, individuals, groups and ideas in shaping the past and their significance to the development of the modern world
- Analyse the different perspectives of individuals and groups in their historical context
- Gather evidence from a range of primary and secondary sources in response to specific questions about the modern world
- Analyse and interpret information from a variety of sources
- Plan and conduct historical investigations and present reasoned conclusions, using relevant evidence from a range of sources
- Communicate historical understanding, using historical knowledge, concepts and terms
- Appreciate the contribution of historical studies to an understanding of the modern world.

How will this course help me in the future?

The knowledge, understanding and skills that students acquire through studying Modern History provide a firm foundation for further study, the world of work, active and informed citizenship, and for lifelong learning. It fosters a critical approach to understanding events, issues and interpretations as well as the effective communication of accounts conveying ideas, judgements and evidence.

HSC History Extension will provide you with critical and reflective thinking skills that are essential for effective participation in work, higher learning and the broader community. In particular, the course will develop many higher order skills and methodologies that are of great value to students intending to undertake tertiary studies and are transferable between disciplines.

2 units for each of Preliminary and HSC

Board Developed Course

Exclusions: Music 2

What will I be doing in this course?

In the Preliminary and HSC courses students will study the concepts of music through the learning experiences of performance, composition, musicology and aural within the context of a range of styles, periods and genres.

Students study three topics for each year of the course.

Topics are chosen from a list of 21 topics which cover a range of styles, periods and genres.

In the HSC course, in addition to core studies in performance, composition, musicology and aural, students select three electives from any combination of performance, composition and musicology. These electives must represent each of the three topics studied in the course.

Students selecting Composition electives will be required to compile a portfolio of work as part of the process of preparing a submitted work. The portfolio may be requested by NESA to validate authorship of the submitted work.

What should I be able to do at the end of the course?

- Perform at a high level of musicality and technique on their chosen instrument.
- Analyse and compare the different styles of contemporary and classical music.
- Compose a piece in a variety of contemporary styles.
- Demonstrate an understanding of the historic development of contemporary music.

What else do I need to know about this course?

A materials fee applies to this course.

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 NSW or University with a good foundation of knowledge and practical skills. Music also provides knowledge and skills to enhance enjoyment of everyday life.

For additional course information, please contact Mrs Jacki Berry, Head Teacher CAPA.

2 Units for each of Preliminary and HSC and an optional 1 Unit HSC Extension

Board Developed Course

Exclusions: Music 1

What will I be doing in this course?

In the Preliminary and HSC courses students will study the concepts of music through the learning experiences of performance, composition, musicology and aural within the context of a range of styles, periods and genres.

Students study the Mandatory Topic, Music 1600–1900, in the Preliminary year, and the Mandatory Topic, Music of the Last 25 Years (Australian focus), in the HSC year.

In addition to core studies in performance, composition, musicology and aural, students nominate one elective study in Performance, Composition or Musicology. Students selecting Composition or Musicology electives will be required to compile a portfolio of work as part of the process of preparing a submitted work. The portfolio may be requested by NESA to validate authorship of the submitted work.

All students will be required to develop a composition portfolio for the core composition.

The 1 Unit HSC Music Extension course is available in Year 12 for students who have completed Preliminary Music 2 and are currently studying HSC Music 2. It builds on Music 2 and assumes a high level of music literacy and aural ability as well as advanced performance or composition or musicology skills.

Students will specialise in performance or composition or musicology and will follow an individual program of study which will be negotiated between the teacher and student.

Students selecting Composition or Musicology as their area of specialisation in the Extension course will be required to compile a portfolio of work as part of the process of preparing a submitted work.

The portfolio may be requested by NESA to validate authorship of the submitted work.

What should I be able to do at the end of the course?

- Perform at a high level of musicality and technique on their chosen instrument.
- Analyse the compositional techniques used in a variety of styles.
- Compose a work in one of the styles found in music of the last 25 years.
- Demonstrate an understanding of the historic development of music from the Baroque Period to the present day.
- Discuss, with references to a variety of major composers, the development of music from a cultural and historical context.
- Transcribe and discuss academically, music heard and from scores

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

Music 2 provides skills required in the diverse fields of the Music industry. This course is designed for the academic music student who intends to progress into tertiary music courses at university with a strong foundation of knowledge, analytical and practical skills.

For additional course information, please contact Mrs Jacki Berry, Head Teacher CAPA.

2 Units for each of Preliminary (Year 11) and HSC (Year 12)

Board Developed Course

What will I be doing in this course?

Students explore matter and its motion through space and time, along with related concepts that include energy and force. Physics deals with the study of phenomena on scales of space and time—from nuclear particles and their interactions up to the size and age of the Universe.

The Preliminary (Year 11) course develops knowledge and understanding of fundamental mechanics and energy. It covers 4 modules: Kinematics; Dynamics; Waves and Thermodynamics; Electricity and Magnetism; and 1 depth study.

The HSC (Year 12) course develops knowledge and understanding of advanced mechanics and electromagnetism and the role of evidence and prediction in the development of theories in physics. It covers 4 modules: Advanced Mechanics; Electromagnetism; The Nature of Light; From the Universe to the Atom; and 1 depth study.

A depth study is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus.

Practical investigations should occupy a minimum of 70 hours of course time across both the Preliminary (Year 11) and HSC (Year 12) courses including time allocated to practical investigations in depth studies.

The study of Physics requires students to have a strong background in Science and Mathematics in Year 10. It is a demanding subject requiring a solid foundation in these disciplines and a strong commitment to study. It is highly recommended that to do Physics, you would also be enrolled in a Mathematics course.

What should I be able to do at the end of this course?

- Understand and critically appraise basic concepts of modern physics
- Apply experimental skills in observation, manipulation, measurement and experimental design
- Use appropriate digital technologies
- Use terminology and reporting styles appropriately to communicate information
- Work effectively as an individual and as a team member.

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

Physics, either studied alone or in combination with another science subject, is highly recommended preparation for many science-based university courses. Students interested in Medicine, Aviation, Engineering and the Defence Forces should consider selecting Physics.

For additional course information, please contact Mr David Aubusson, Head Teacher Science.

1 Units for each of Preliminary and HSC

Board Developed Course

What will I be doing in this course?

Society and Culture develops knowledge, understanding, skills, values and attitudes essential to an appreciation of the social world. It is a conceptually based course that promotes awareness of cultural continuities and changes within societies and cultures. This course enables students to develop understanding of themselves, their own society, and societies and cultures around the world.

Students develop an understanding of research methods and undertake social research using various methods in an area of particular interest to them. These research skills are then assessed externally in the HSC Course, in the Personal Interest Project (PIP).

The Preliminary course covers:

- The Social and Cultural World - the interaction between persons and groups in society
- Personal and Social Identity - socialisation and the development of identity in a variety of social and cultural settings
- Intercultural Communication - how people in different cultures behave, interact and communicate.

The HSC course has two compulsory core components and two depth studies:

- Core - Social and Cultural Continuity and Change
- Core - The Personal Interest Project
- Depth Study - Popular Culture
- Depth Study - Social Inclusion and Exclusion

What should I be able to do at the end of the course?

- Understand the complexity and diversity of the social and cultural world, including an understanding of how and why similarities and differences exist within and between societies
- Demonstrate an understanding of the knowledge, skills, values and attitudes essential to achieving social and cultural literacy via the examination of the interactions between persons, societies, cultures and environment across time
- Understand and utilise a range of research methods (interviews, questionnaires, content analysis etc.) to understand their social research.

How will this course help me in the future?

Society and Culture prepares students for immediate transition to work or tertiary study. Students learn to analyse issues, write reports, work in teams, conduct individual research, communicate with a variety of people in many ways, and to understand their place in the global community.

The course is relevant for students now and in their future. Society and Culture would be particularly valuable to students who wish to undertake further study in the humanities, social sciences, behavioural sciences, communication, business and law, but would provide useful skills for any university or TAFE NSW course. It draws on cross-disciplinary concepts and social research methods from anthropology, communications, cultural and media studies, philosophy, social psychology and sociology.

For additional course information, please contact Mrs Claudia Pantschenko, Head Teacher HSIE Blue or Mrs Catherine Latham Head Teacher HSIE Blue (Rel).

2 units for each of Preliminary and HSC

Board developed course

What will I be doing in this course?

This course replaces the Software Design and Development course and is designed to allow students to create and develop computer-based solutions that require the design of computer software. It encourages students to be creative, problem-solving collaborators in a work environment, promoting intellectual, social and ethical growth in the field of computing. This course is suited to students who have an interest in programming that is already expressing itself in the amount of time spent at the computer and some ability to solve problems through analysis and design.

The Preliminary course covers:

Introduction to programming fundamentals – defining and understanding the problem, planning and designing the solution, implementing, testing, evaluating and maintaining software solutions.

Programming with object oriented paradigm- Developing software packages for different users.

Developing Software Solutions and programming mechatronics – develop software application solutions and mechatronics.

The HSC course covers:

Development of secure software architecture – social and ethical issues, application of cyber security approaches to secure software and hardware.

Programming for the web – development of a range of web applications and programs.

Software Automation – defining and understanding the problem, planning and designing the solution, implementing, testing, evaluating and maintaining software solutions (in more detail).

Software Engineering project- complete a Major Project that is internally marked.

What should I be able to do at the end of this course?

- Use standard programming techniques to create solutions to real world problems.
- Use a variety of programming languages to develop solutions.
- Design, build, check and modify software solutions using industry standard tools and methods.
- Understand the terminology, techniques and algorithms used by programmers.
- Be aware of relevant social and ethical issues affecting software developers.

How will this course help me in the future?

Software Engineering prepares students for tertiary study and work. It is recommended for anyone contemplating further study or careers in but not limited to, Computing Science, Software Engineering, App Development, Project Management and Game Development.

For additional course information, please contact Ms Tracy Mackenzie, Head Teacher TAS.

1 unit for each of Preliminary and HSC

An accelerated course to be completed in one year

Board Developed Course

What will I be doing in this course?

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

Students studying the 1 Unit Course will complete two Religious Traditions Studies. These will investigate significant people, ethical issues and significant practices in relation to each Tradition.

The Preliminary course has:

- One Foundation Study: The nature of religion and beliefs
- Two Religious Traditions: Depth Studies selected from Buddhism, Christianity, Hinduism, Islam, and Judaism.

The HSC course has:

- Religion and Belief Systems in Australia post 1945.
- Two Religious Traditions - Depth Studies: Buddhism, Christianity, Hinduism, Islam, and Judaism.

What should I be able to do at the end of the course?

- Understand the nature and influence of a range of religious traditions in Australian society
- Empathise with both the similarities and differences of the world's religions.
- Select and organise information from a variety of sources
- Evaluate information for usefulness, validity and bias
- Communicate information in appropriate written, oral and graphic forms.

How will this course help me in the future?

This course will provide students with understanding and respect for religious beliefs and practices in our multicultural society. The impact of religion in world affairs is a reality. Understanding the world's main religions assists in the interpretation of current world events. It will also develop expertise in a variety of skills and key competencies that are essential to further education, work and everyday life.

For additional course information, please contact Mr Mark Honeysett, Head Teacher HSIE Green.

Board Developed Course

What will I be doing in this course?

The Preliminary course involves the study of design, communication techniques, manufacturing methods, fibres, yarns, fabrics and the Australian textile industry.

Practical experiences are integrated into the Design and Properties and Performance of Textiles areas of study, including experimental work and project work.

The Preliminary course covers:

- Design
- Properties and Performance of Textiles
- The Australian Textiles, Clothing, Footwear and Allied Industries (TCFAI)

The HSC course builds upon the Preliminary course and involves the study of the historical design development, the influence of culture on design, contemporary designers, emerging technologies, sustainable technologies, consumer issues and the marketplace. The course integrates the development of a Major Textiles Project that allows students to develop a textile project that reflects either a cultural, historical or contemporary aspect of design.

Students are expected to draw upon the knowledge and understanding of design, properties and performance and the TCFAI developed in the Preliminary course.

The HSC course covers:

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

What should I be able to do at the end of the course?

- Know about and understand the functional and aesthetic requirements of textiles for a range of applications
- Have practical skills in design and manipulation of textiles through the use of appropriate technologies
- Apply knowledge and understanding of the properties and performance of textiles to the development and manufacture of textile items
- Have skills in experimentation
- Know about and understand the Australian Textiles, Clothing, Footwear and Allied Industries
- Appreciate the significance of textiles in society.

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

The skills and knowledge acquired are applicable for a career in the fashion industry, theatrical design, the textile industry, teaching, fibre and fabric research and development, artisan work in textiles including textiles art, interior design, advertising, marketing and associated commercial fabric buying. This course gives practical problem solving skills linking scientific research to manufacturing experience. The folio component is thorough and detailed to allow a transition into a variety of creative and manufacturing based subjects. Resource management and awareness of future issues and direction would prepare students for work in the environmental and policy development of Australian resources.

For additional course information, please contact Ms Tracy Mackenzie, Head Teacher TAS

2 Units for each of Preliminary and HSC

Board Developed Course

Exclusions: Projects developed for assessment in one course are not to be used either in full or in part for assessment in any other course.

What will I be doing in this course?

Visual Arts involves students in art making, art criticism and art history. Students develop their own artworks, culminating in a 'body of work' in the HSC course. Students critically and historically investigate artworks, critics, historians and artists from Australia as well as those from other cultures, traditions and times.

The Preliminary course is broadly focused. Students will study artworks in at least two expressive forms and use a process diary. They will also undertake a broad investigation of ideas in art making, art criticism and art history. Their learning opportunities focus on:

- The nature of practice in art making, art criticism and art history through different investigations
- The role and function of artists, artworks, the world and audiences in the art world
- The different ways the visual arts may be interpreted and how students might develop their own informed points of view
- How students develop meaning, focus and interest in their work
- Building understandings over time through various investigations and working in different forms.

The HSC course provides for deeper and more complex investigations.

It requires the development of a body of work and use of a process diary. It includes a minimum of five Case Studies, (4–10 hours each), and deeper and more complex investigations in art making, art criticism and art history.

The learning opportunities focus on:

- How students may develop their practice in art making, art criticism, and art history
- How students may develop their own informed points of view in increasingly independent ways and use different interpretive frameworks in their investigations
- How students may learn about the relationships between artists, art works, the world and audiences within the art world and apply these to their own investigations
- How students may further develop meaning and focus in their work.

What should I be able to do at the end of the course?

- Present a body of work that shows creativity and strength in its ideas and representation of subject matter
- Use art materials with confidence, sensitivity and technical competence
- Initiate an art making process that is sustained and reflective
- Identify an individual approach to art making
- Write about artworks, artists and art styles in art history from different perspectives
- Describe how the relationship between the artist, artwork, the audience and the world creates meaning in art.

What else do I need to know about this course?

A materials fee applies to this course.

How will this course help me in the future?

In Visual Arts students will develop skills and qualities that are relevant to both the workplace and further study. This course encourages students to become critical thinkers and critical consumers of contemporary visual culture in a world that is dominated by images. They will develop their creativity and their confidence to express ideas in sophisticated and skilful ways. The course encourages understanding and tolerance of different values and beliefs, and builds students' knowledge of the world around them as well as what has come before them. Visual Arts will strengthen students' problem-solving and creative thinking skills especially in the area of visual communication.

This course is recommended background for many university and TAFE NSW courses in Visual Arts and Design.

For additional course information, please contact Mrs Jacki Berry, Head Teacher CAPA.

**Vocational Education and
Training (VET) Courses
delivered by TAFE
(ATAR and Non ATAR Courses)**

TAFE VET COURSES

External VET COURSES (EVET)

(Industry Curriculum Framework Courses; Board Endorsed Courses; School-based Traineeships and Apprenticeships)

Killara High School senior students may access a range of External VET courses. The courses offered by TAFE are known as TVET courses and they are on offer at various TAFE campuses, and by virtual delivery. Courses are also offered by other providers. TVET courses have a 2-unit value. They may be studied over one year, or over two years. They are generally offered on a Tuesday afternoon. Students enrolled in TVET courses are expected to manage their own transport arrangements to and from TAFE and may miss a lesson on that day at school. It is a student's responsibility to make up any missed classwork. Additional paperwork is required for students to secure their place in a TVET course. Students must indicate their interest on the subject selection form and on the online subject selection form. Please note places in a TVET course are not guaranteed due to funding allocations determined by the Department of Education.

See Mrs Kiernan or Mrs Urquhart, the Careers Teachers for more information. TVET courses can be divided into two categories:

1. Industry Curriculum Framework Courses

These courses are based on national training packages and if taken over two years, provide students with an opportunity to gain a Certificate II or III. In addition, if a student studies the same framework course for two years and undertakes the optional NESA exam, the mark can be used in the calculation of an ATAR. Not all Industry Curriculum Framework courses are eligible for an ATAR. Furthermore, work placement is a mandatory component of all framework courses.

Below is a sample list of some of the framework courses. Please note these are subject to change and students can visit the Careers staffroom for the most up to date course details:

- Automotive (Mechanical Technology)
- Business Services
- Construction
- Electrotechnology
- Entertainment Industry
- Human Services – (Allied Health)
- Human Services (Nursing) 2unit x 1unit
- Information and Digital Technology – Networking
- Information and Digital Technology – Animation
- Information and Digital Technology – Cyber Security
- Information and Digital Technology – Web & Software
- Primary Industries - Horticulture
- Tourism, Travel and Events – Events
- Tourism, Travel and Events - Tourism

2. Board Endorsed Courses

These courses can contribute to a student's preliminary and/or HSC units but cannot be included in an ATAR. Courses run for three terms and are available to students in both Years 11 and 12 with some courses offering a second year of study.

Below is a sample list of previously offered non-framework courses. Please note these are subject to change. Students can visit the Careers staffroom for the most up to date course details.

- Animal Care
- Auslan
- Automotive Body Repair
- Aviation (Remote Pilot)
- Baking
- Beauty - Makeup
- Community Dance, Theatre and Events
- Community Services Introduction
- Design Fundamentals (Fashion)
- Design Fundamentals (Graphics)
- Design Fundamentals (Graphic illustration OR Interior Design)
- Design Fundamentals (Interior Design ONLY)
- Early Childhood Education and Care
- Engineering Pathways
- Fitness
- Floristry
- Laboratory Skills
- Maritime Operations
- Music Industry - Music
- Plumbing
- Real Estate Practice
- Retail (Access)
- Salon Assistant
- Screen and Media – Film and Television
- Visual Arts and Contemporary Craft (Photography)
- Visual Arts and Contemporary Craft (Ceramics)
- Visual Arts and Contemporary Craft (Photography and Multi Discipline)

Courses and their availabilities are subject to change based on sufficient demand and resources. It is important to note that exclusions apply and that certain combinations of school and TVET courses are not permitted by NESAs. Therefore, students choosing TVET courses should ensure that their course selections meet NESAs requirements for the successful completion of their HSC and ATAR if desired.

3. School-based Traineeships and Apprenticeships

Killara High School also offers students the flexibility to enrol in either a school-based apprenticeship or traineeship for the duration of Years 11 and 12. The apprenticeship or traineeship will not only contribute units to a student's HSC, but it also has the potential to give participants an opportunity to complete Stage 1 of either an apprenticeship or traineeship. Students undertake a minimum of 100 days of paid work experience across Years 11 and 12 as well as attending training for up to one day a week. Interested students should visit the Careers Staffroom for more information.

For additional course information, please contact Mrs Kiernan or Mrs Evans, Careers Advisers.

Content Endorsed Courses (Non ATAR eligible)

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

Sports Coaching – Certificate II (PDHPE)



2 Units for each of Preliminary and HSC

Board Endorsed VET Course

School Delivery

What will I be doing in this course?

The Sport Coaching course aims to develop a student's capacity to develop the skills necessary to conduct coaching sessions with confidence. The possible qualification outcome of completing this course successfully is a Certificate II in Sport Coaching. Students will gain an understanding of how to run safe and effective coaching sessions and how to prevent any injuries from occurring. Throughout this course, students learn about the specific knowledge and skills to commence a career in the sports education and coaching industries.

Examinations and assessment tasks are practical and theory based. These tasks are assessed against the core and elective competencies. Students will also complete work placement and a First Aid Course. Students must complete a minimum of 35 hours of work placement.

What should I be able to do at the end of the course?

- Organise and complete daily work activities
- Provide first aid
- Develop and update knowledge of coaching practices
- Coach beginner or novice participants to develop fundamental motor skills
- Communicate effectively with others in a sport environment
- Assist in preparing and conducting sport and recreation sessions
- Develop and update sport, fitness and recreation industry knowledge
- Follow work health and safety policies
- Implement sports injury prevention
- Conduct basic warm-up and cool-down programs
- Develop and update officiating knowledge

How will this course help me in the future?

It is recommended that students have an interest and ability in the practical component of the PDHPE course. This course may lead to a career in fitness coaching, personal training, sports management, physiotherapy and physical education.

For additional course information, please contact Mr Duncan Smith, Head Teacher PDHPE.

Year 10 Student Notes and Checklist

Don't know how	Not Yet	Yes	THINGS TO DO / MAKE SURE OF
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I have some ideas about what I would like to do after school
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I know what senior courses are best for what I want to do after school
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I have read the information for the courses that interest me (in this book)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I know when my interview is (hint: it's in Week 9) Write date/time here: _____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I have written notes about courses I am interested in on the "notes" page
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I know who to ask for help: Write name here: _____ Write name here: _____ Write name here: _____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I understand the English course recommendation that has been emailed to me
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I understand that Maths course recommendations will be communicated to me by my Year 10 teacher
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I have accessed my email and understand how to nominate my courses
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I know what the deadline is for submitting my courses: Write deadline here: _____

