

Heathcote High School Course and Subject Information

Year 11 2020



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HSC Information for Year 10 students and their parents

The Higher School Certificate (HSC) is the culmination of 13 years of schooling. It is the highest educational award in New South Wales schools and is recognised internationally, providing a foundation for students entering tertiary study, vocational training or employment.

This booklet contains essential and detailed information to assist students to decide on their study patterns over the next two years. Students will be offered a full range of subjects to cater for individual abilities, interests and goals. However, the subjects which run each year are determined by student choice, and staff availability.

Senior students are expected to:

- have a sense of responsibility towards their own education
- organise their time efficiently to ensure they are up-to-date in all subjects
- research independently
- write in a variety of ways, including essays

Choosing subjects

Before choosing subjects students will attend scheduled interviews with a Senior Executive member of staff, Careers Advisers or other teacher mentors. When choosing students need to be realistic about future career choices and consider these key facts:

- **Personal interests** – This is the most important factor. There is little point in choosing a subject because it is ‘good for you’ if you have no personal interest in it. Such a decision may ultimately disadvantage you.
- **Ability** – Choose subjects best suited to your ability in which you will do well. Don’t choose courses just because of perceived scaling or because you think they will give you a better ATAR.
- **Career aspirations and needs** – Some subjects are a desirable preparation for future courses or careers. Students should consult the Careers Adviser if they are uncertain about prerequisites for University courses.
- **Gather information** – Carry out as thorough an investigation as you can to determine which courses are the best for you. The more research you do, the more informed your decisions will be.

It is imperative that students listen to the advice of teachers and mentors, as previous performance may indicate the suitable course level for each student, particularly in relation to English and Mathematics. It is also recommended you talk to Head Teachers, class teachers or members of your family who can help you decide.

This is an exciting time as students determine their future directions, and we wish them all the best.

Mr S Waser
PRINCIPAL

Mrs J Hunter
RELIEVING DEPUTY PRINCIPAL

Heathcote High School - Subject Selection Process

Key dates

<ul style="list-style-type: none"> • Information evening for parents and students • Students and parents issued Subject Selection Booklet (also available on the school's website and app) • Students and parents consider the options, obtain advice, talk to teachers etc. 	<p>Tuesday 6th August 7.00 – 8.30pm</p>
<ul style="list-style-type: none"> • Individual students are interviewed by 2 executive staff 	<p>Friday 9th August - Wednesday 14th August</p>
<ul style="list-style-type: none"> • Students log on to https://web.edval.com.au and submit their choices 	<p>closes Sunday 18th August: 6PM</p>
<ul style="list-style-type: none"> • Return signed confirmation to Mrs Hunter – Relieving Deputy Principal 	<p>Monday 19th August 2019</p>
<ul style="list-style-type: none"> • Applications for EVET course to Careers Adviser close. 	<p>Details to follow when available.</p>
<ul style="list-style-type: none"> • Decisions are made regarding which subjects will be available in 2020 by Executive Staff (based on student choice and use of Edval software) 	<p>During Term 3</p>
<ul style="list-style-type: none"> • Students who missed out on subject choices are informed and provided with alternatives 	<p>During Term 3</p>
<ul style="list-style-type: none"> • Students are informed of their study patterns for 2020 	<p>Early Term 4</p>

Frequently Asked Questions

What advantages does the HSC give?

- better employment prospects. Most employers expect applicants to have at least 12 years of schooling
- wider career choice
- opportunities to enter tertiary education at a higher level
- increased knowledge, skills and experience
- increased maturity and confidence when dealing with other people
- better communication skills – oral and written
- a greater sense of self-esteem, satisfaction and achievement

What are units?

All Preliminary and HSC courses have a unit value. One unit equates to approximately 60 hours per year with a mark value of 50. Most courses offered in Preliminary and HSC programs are 2 units, studied for approximately 120 hours per year and have a value of 100 marks.

Students must satisfactorily complete a minimum of 12 units of Preliminary courses studied in Year 11, before they are eligible to commence the corresponding HSC course. A minimum of 10 units must then be satisfactorily completed in Year 12 to be eligible for an HSC.

Both the Preliminary and HSC studies must include:

- At least 6 units from NESA Developed Courses including at least 2 units of a NESA Developed Course in English.
PLEASE NOTE: English is the only compulsory subject and must be studied in both Preliminary and HSC courses.
- At least three courses of 2 units value or greater
- At least four subjects
- School based assessment and the HSC examination
- No more than 7 units of Science can be counted towards the overall HSC

What are Extension Courses?

Extension courses build on the content of a 2 unit course and carry an additional on unit value (50 marks) and mostly commence in Year 12. Extension courses may be available in English, Mathematics, Science and History.

English and Mathematics extension courses are available at Preliminary and HSC levels. Students must study the Preliminary Extension 1 Course in these subjects before proceeding to the HSC Extension 2 Course. Extension 2 requires students to work beyond the Extension 1 standard.

There are also a number of 1 unit NESA Endorsed Courses which do not count in the calculation of the Australian Tertiary Admission Rank (ATAR).

How are the marks for the HSC calculated?

The HSC mark received by each student will be a 50:50 combination of external examination and school based assessment marks.

The internal school-based assessment mark summarises the student's performance in assessment tasks set and marked by the school. This mark will be moderated by NESA using HSC exam results.

What is NESA responsible for?

In relation to the Higher School Certificate, NESA is responsible for:

- developing Preliminary and HSC courses
- organising and overseeing the HSC examinations and assessments
- calculating and recording HSC marks and achievements
- issuing Higher School Certificates and Records of School Achievement to students
- giving advice to schools, employers and the public on educational issues and all matters related to the HSC

How can I choose subjects if I don't know what I want to do after I leave school?

You must be prepared to do some research and to think about what broad areas of interest you already have. For instance, you may like to read scientific magazines or solve mathematical problems. Perhaps you have a passion for writing stories or designing things. You may be interested in the environment or assisting people with their problems by being a good listener. Don't be worried if you don't know exactly what career you want to do. There is plenty of time to choose and you will probably change your mind many times before you find the right career for you.

Remember you can also see the Careers Adviser for guidance.

What should I do if I am not going to do further study after the HSC?

Whether you choose full-time employment, a traineeship or an apprenticeship, you still need to achieve good results and positive comments on your report to be competitive. Interest, ability and past performance provide a sound basis for selection.

What levels should I do?

You should do the highest level that you are capable of doing. You must be guided by your teachers as to the level of difficulty that is appropriate for you. Don't just take the easy way out; you have decided to do the HSC, so make the most of it.

On the following pages you will find information on the recommended subjects for broad areas of study. This information is provided by the universities but is useful for all students.

What types of courses can I select?

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

The syllabuses and their support documents referred to above for all subjects may be found on the NESA Website :

<http://educationstandards.nsw.edu.au>

Board Endorsed Courses

- Content Endorsed Courses
- School Designed Courses

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

Content Endorsed Courses (CECs) have syllabuses endorsed by NESAs to cater for areas of special interest or need not covered in the Board Developed Courses. Further information regarding these course types can be found at the back of this booklet.

Most HSC VET (Vocational Education and Training) courses delivered by TAFE are Content Endorsed Courses.

Schools may also design special courses to meet student needs. These courses must be approved by NESAs. Once approval is granted, schools offer the approved courses to senior students as part of the Higher School Certificate.

There is no external examination for any Content Endorsed Course or School Designed Course, but all Board Endorsed Courses count towards the Higher School Certificate and appear on your Record of Achievement. Board Endorsed Courses do not count in the calculation of the ATAR.

What is the Australian Tertiary Admission Rank (ATAR)

The Australian Tertiary Admission Rank (ATAR) is a number between 0.00 and 99.95 with increments of 0.05. It provides a measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. Calculation of the ATAR in NSW is the responsibility of the Technical Committee on Scaling on behalf of the NSW Vice-Chancellors' Committee.

While both HSC marks and ATARs are derived from raw examination marks and moderated school assessments, they are calculated separately and are two very different measures of achievement. HSC marks provide a measure of an individual student's performance against performance bands, while the ATAR ranks students among the entire age group, ie. your rank among all 16 to 20 year olds in NSW who sit for the HSC.

Admission to most university courses is based on the performance in the HSC with applicants ranked on the basis of their ATAR. NOTE: Some universities have changed their entry requirements and have Mathematics as a prerequisite when studying Science, Technology or Mathematics related degrees. It is important that students consult with the Careers Adviser, UAC guides and universities if unsure if this may affect post schooling choices.

Rules for the calculation of the ATAR

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

- the best two units of English and
- the best eight units from the remaining units

NOTE

- you must satisfactorily complete English
- you may accumulate courses over a period of no more than five years
- if you repeat a course, only the last satisfactory attempt will be used in the ATAR

HSC Eligibility

To be eligible for the award of the HSC you must:

- Satisfactorily complete the pattern of study required by the NSW Education Standards Authority (NESAs)
- Complete any prescribed practical, oral or project works required for specific courses
- Complete the assessment requirements for each course
- Follow the course developed or endorsed by NESAs
- Apply diligence and sustained effort to the set tasks provided in the course by the school
- Achieve the minimum course outcome
- Sit for, and make a serious attempt at all assessment tasks and examinations

Study Requirements and Assessment

Preliminary studies are undertaken in Year 11 for three terms. The HSC studies, which follow, begin in Term 4 of that year and continue until the HSC examinations in October/November of the following year.

School developed assessment tasks form an integral part of both the Preliminary and HSC courses. Tasks are designed to measure performance outcomes across a wider range of objectives.

Tasks may include:

- tests
- written or oral assignments
- practical activities
- fieldwork
- reports
- projects

Teachers will inform students of:

- the types of assessment tasks
- the importance of the tasks in comparison to others
- the mark value for each task
- when the task will be given
- the due date

Assessment in Preliminary courses assesses the knowledge, skills and understanding expected to be learned by students.

Special Provisions for Students with Disabilities

NSW Education Standards Authority (NESA) has a program to help students with practical support in their Higher School Certificate examinations. This practical support, known as provisions, assists students to read examination questions and to write their answers. Provisions include rest breaks and extra time. The use of any provision is not written on the student's results.

Students may need provisions for:

- a permanent condition, such as diabetes or reading difficulty
- a temporary condition, such as a broken arm, or
- an intermittent condition, such as back pain when sitting for long periods.

More than 5000 HSC students apply for provisions each year. Provisions help students to show the markers what they know and can do.

To apply for provisions, the school submits an online application to NESA. This application tells us which provisions the student is requesting and includes recent evidence. Evidence may include medical reports, reading results, spelling results, writing samples and teacher comments.

Much of the evidence can be collected by the school, but the parents' role is welcome and needed. Parents help by talking with the school, describing the student's needs, and providing the school with medical or other reports.

Applications for provisions should be submitted by the school to NESA by the end of Term 1. Late applications are accepted for an emergency, such as a broken arm, until the time of the examinations.

Once NESA has made a decision about which provisions are approved or declined, a decision letter is provided to the school. The school will provide the student with a copy of the letter.

If you or the school are not satisfied with NESA's decision, it is possible for the school to lodge an appeal. Appeals must state why NESA's decision is unsuitable and must include new evidence to support the appeal.

If you think that you or your child may require support in completing the Higher School Certificate examinations, please discuss the matter with the Year Adviser, School Counsellor or teacher.

Ancient History

2 units for each of Preliminary and HSC	Board Developed Course Category A									
Exclusions: Nil										
<p>Course Description</p> <p>The Year 11 course provides students with opportunities to develop and apply their understanding of methods and issues involved in the investigation of the ancient past.</p> <p>Through a core study, Year 12 students investigate the cities of Pompeii and Herculaneum, and explore issues relating to reconstruction and conservation of the past. They also study the key features and sources of an ancient society, personality and historical period.</p>										
<p>Main Topics Covered</p> <p>Preliminary Course - The course comprises three sections.</p> <p>1. Investigating Ancient History</p> <p>Students undertake at least ONE of six options from ‘The Nature of Ancient History’. Possible topics include:</p> <ul style="list-style-type: none"> • The Representation of the Ancient Past • The Treatment and Display of Human Remains, or • Historical Authenticity and Reliability <p>Students undertake at least TWO case studies, investigating aspects of the history of the ancient world using a range of sources. Possible case studies include:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">• Tutankhamun’s Tomb</td> <td style="width: 33%;">• Masada</td> <td style="width: 33%;">• Boudicca</td> </tr> <tr> <td>• Deir el-Medina</td> <td>• The Roman Games</td> <td>• Nineveh</td> </tr> <tr> <td>• Thera</td> <td>• Troy</td> <td>• Persepolis</td> </tr> </table>		• Tutankhamun’s Tomb	• Masada	• Boudicca	• Deir el-Medina	• The Roman Games	• Nineveh	• Thera	• Troy	• Persepolis
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• Thera	• Troy	• Persepolis								
<p>2. Features of Ancient Societies</p> <p>Students study at least TWO ancient societies through an investigation of:</p> <p>A different key feature for each society, OR one key feature across the societies selected.</p> <p>The ancient societies and key features could include:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">• Women in Ancient Greece and Rome</td> <td style="width: 50%;">• Weapons and warfare in Ancient China</td> </tr> <tr> <td>• Slavery in the Roman world</td> <td>• Death and funerary customs in Old Kingdom Egypt</td> </tr> <tr> <td>• Art and architecture in Imperial Rome</td> <td></td> </tr> </table>		• Women in Ancient Greece and Rome	• Weapons and warfare in Ancient China	• Slavery in the Roman world	• Death and funerary customs in Old Kingdom Egypt	• Art and architecture in Imperial Rome				
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<p>3. Historical Investigation</p> <p>Students engage in ONE historical investigation through which they further develop their skills. It is designed to provide opportunities for all students to further develop relevant investigative, research and presentation skills that are the core of the historical inquiry process.</p>										
<p>HSC Course - The course comprises four sections.</p> <ul style="list-style-type: none"> • Core Study: Cities of Vesuvius – Pompeii and Herculaneum • ONC Ancient Societies topic – eg Persian society at the time of Darius and Xerxes • ONE Personalities in the times topic – eg Xerxes • ONE Historical Periods topic – e.g. The Greek World 500 – 440 BC 										
<p>Preliminary Assessment</p> <p>There are three internal formal assessments that contribute to the final Preliminary grade including an in-class source-based test, a historical investigation, and a yearly examination.</p>										
<p>HSC Assessment</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Internal Assessment</td> <td style="width: 50%;">External Assessment</td> </tr> <tr> <td style="border: none;">Internal assessment will involve a combination of research investigations and a Trial HSC examination.</td> <td style="border: none;">A three hour written examination.</td> </tr> </table>		Internal Assessment	External Assessment	Internal assessment will involve a combination of research investigations and a Trial HSC examination.	A three hour written examination.					
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Course Fees: \$7.00 per year

Contact: HSIE Faculty

Biology

2 units for each of Preliminary and HSC Exclusions: Nil	Board Developed Course Category A		
<p>Course Description</p> <p>The Biology Stage 6 Syllabus explores 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.</p> <p>Biology uses Working Scientifically processes to develop scientific investigative skills. It focuses on developing problem-solving and critical thinking skills in order to understand and support the natural environment. When Working Scientifically, students are provided with opportunities to design and conduct biological investigations both individually and collaboratively.</p> <p>The study of biology, which is often undertaken in interdisciplinary teams, complements the study of other science disciplines and other STEM (Science, Technology, Engineering and Mathematics) related courses. Through the analysis of qualitative and quantitative data, students are encouraged to solve problems and apply knowledge of biological interactions that relate to a variety of fields.</p> <p>The Biology course builds on the knowledge and skills of the study of living things found in the Science Stage 5 course. The course maintains a practical emphasis in the delivery of the course content and engages with the technologies that assist in investigating current and future biological applications.</p> <p>The course provides the foundation knowledge and skills required to study biology after completing school, and supports participation in a range of careers in biology and related interdisciplinary industries. It is a fundamental discipline that focuses on personal and public health and sustainability issues, and promotes an appreciation for the diversity of life on the Earth and its habitats.</p>			
<p>Main Topics Covered</p> <p>Preliminary Course</p> <ul style="list-style-type: none"> • Cells as the Basis of Life • Organisation of Living Things • Biological Diversity • Ecosystem Dynamics 	<p>HSC Course</p> <ul style="list-style-type: none"> • Heredity • Genetic Change • Infectious Disease • Non-infectious Disease and Disorders 		
<p>Particular Course Requirements:</p> <p>Biology is a course for students who like and perform well in Science. To be successful in this course, students need to currently be in 10S1, 10S2 or 10S3 and be capable of scoring a grade A,B or C in their Science Assessment.</p>			
<p>Preliminary Assessment</p> <p>There are three formal assessments tasks, one practical task, a depth study and a yearly examination which contribute to the final grade.</p>			
<p>HSC Assessment</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>Internal Assessment</p> <ul style="list-style-type: none"> • Depth Study • Practical Task • Trial HSC Examination </td> <td style="width: 50%; padding: 5px;"> <p>External Assessment</p> <p>A three hour written examination.</p> </td> </tr> </table>		<p>Internal Assessment</p> <ul style="list-style-type: none"> • Depth Study • Practical Task • Trial HSC Examination 	<p>External Assessment</p> <p>A three hour written examination.</p>
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<p>Course Fees: \$7.00 per year</p>			
<p>Contact: Science Faculty</p>			

Business Studies

2 units for each of Preliminary and HSC Exclusions: Nil	Board Developed Course Category A		
<p>Course Description</p> <p>Business Studies investigates the role, operation and management of businesses within our society.</p> <p>The Preliminary Course focuses on the skills and knowledge required to establish a small business. Students are required to complete a major research assignment in Year 11 where they will investigate the management and operation of a small business in our community.</p> <p>The Year 12 course focuses on each of the four key business functions: Marketing, Human Resources, Operations, and Finance.</p> <p>Business Studies is useful and interesting for all students. Any student contemplating tertiary studies in business, commerce, law, accountancy, economics will find Business Studies especially useful if it is also combined with Economics or Legal Studies.</p>			
<p>Main Topics Covered:</p> <p>Year 11 Preliminary Course</p> <ul style="list-style-type: none"> • Nature of Business • Business Management • Business Planning 	<p>Year 12 HSC Course</p> <ul style="list-style-type: none"> • Marketing • Operations • Finance • Human Resources 		
<p>HSC Assessment</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; border-bottom: 1px solid black;"> <p>Internal Assessment</p> <p>Knowledge and understanding</p> <ul style="list-style-type: none"> • Stimulus-based skills • Inquiry and research • Communication of business information, ideas and issues in appropriate written form </td> <td style="width: 50%; padding: 5px; border-bottom: 1px solid black;"> <p>External Assessment</p> <p>A three hour written examination.</p> </td> </tr> </table>		<p>Internal Assessment</p> <p>Knowledge and understanding</p> <ul style="list-style-type: none"> • Stimulus-based skills • Inquiry and research • Communication of business information, ideas and issues in appropriate written form 	<p>External Assessment</p> <p>A three hour written examination.</p>
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<p>Careers relevant to this course</p> <p>Many careers, both university and TAFE based become available to students of Business Studies. These include the hospitality industry, management, insurance, banking, finance, commerce, personnel, travel, accounting, small business, law and sales.</p>			
<p>Course Fees: \$7.00 per year</p>	<p>Contact: HSIE Faculty</p>		

Chemistry

2 units for each of Preliminary and HSC

Board Developed Course Category A

Exclusions: Nil

Course Description

The Chemistry Stage 6 Syllabus explores the structure, composition 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 course further develops an understanding of chemistry through the application of Working Scientifically skills. It focuses on the exploration of models, understanding of theories and laws, and examination of the interconnectedness between seemingly dissimilar phenomena.

Chemistry involves using differing scales, specialised representations, explanations, predictions and creativity, especially in the development and pursuit of new materials. It requires students to use their imagination to visualise the dynamic, minuscule world of atoms in order to gain a better understanding of how chemicals interact.

The Chemistry course builds on students' knowledge and skills developed in the Science Stage 5 course and increases their understanding of chemistry as a foundation for undertaking investigations in a wide range of Science, Technology, Engineering and Mathematics (STEM) related fields. A knowledge and understanding of chemistry is often the unifying link between interdisciplinary studies.

The course provides the foundation knowledge and skills required to study chemistry after completing school, and supports participation in a range of careers in chemistry and related interdisciplinary industries. It is an essential discipline that currently addresses and will continue to address our energy needs and uses, the development of new materials, and sustainability issues as they arise.

Main Topics Covered

Preliminary Course

- Properties and Structure of Matter
- Introduction to Quantitative Chemistry
- Reactive Chemistry
- Drivers of Reactions

HSC Course

- Equilibrium and Acid Reactions
- Acid/Base Reactions
- Organic Chemistry
- Applying Chemical Ideas

Particular Course Requirements

Chemistry is a course for students who like and perform very well in Science. To be successful in this course, students need to currently be in 10S1 or 10S2 and be capable of scoring a grade A or B in their Science Assessment.

The Preliminary and HSC course both include a depth study which will comprise 15 hours of in-class investigation. Practical experiences should occupy a minimum of 70 indicative hours across Preliminary and HSC course time with no less than 35 hours in the HSC course.

Preliminary Assessment

There are three formal assessments tasks, one practical task, a depth study and a yearly examination which contribute to the final grade.

HSC Assessment

Internal Assessment

- Research and Report
- Depth Study
- Practical Task
- Trial Examination

External Assessment

A three hour written examination.

Course Fees: \$30.00 per year

Contact: Science Faculty

Community and Family Studies

2 units for each of Preliminary and HSC

Board Developed Course Category A

Exclusions: Nil

Course Description

Family & Community Studies at Stage 6 is designed to develop in each student an understanding of the diverse nature and interdependence of families and communities, in relation to the changing nature of Australian society with a view to enabling students to plan and manage resources effectively and address contemporary issues facing families and communities. It is an interdisciplinary course drawing upon selected components of family studies, sociology, developmental psychology and students' general life experiences. This course focuses on skills in resource management that enable people to function effectively in their everyday lives, in families and communities.

As students develop into young adults they are faced by challenges of increasing complexity and there is a range of strong influences on the decisions they make. Community and Family Studies develops students' knowledge, skills and attitudes relevant to effective decision-making leading to confidence and competence in solving practical problems in the management of everyday living.

Main Topics Covered

Preliminary Course

- Resource Management
- Individuals and Groups
- Families and Communities

HSC Course

- Research Methodology and skills culminating in the production of an Independent Research Project
- Groups in Context
- Parenting and Caring

HSC Option Module

- Social Impact of Technology: The impact of evolving technologies on individuals and lifestyle.

Preliminary Assessment

An internal assessment mark produced from a range of assessment tasks.

HSC Assessment

Internal Assessment

Using a range of tasks to assess skills and knowledge on the topics studied.

External Assessment

A three hour written examination.

Careers relevant to this course:

- TAFE - Child care worker, counselling and social work, family day care, before & after school care co coordinator, nanny, community work, teacher's aide.
- University – Early childhood, primary or secondary school teacher, special education needs teacher, education consultant, family support worker, play specialist, occupational therapist, youth worker, psychology, social work, director of a child care centre
- Other careers where this course would be useful include – Police, paramedics, nursing, speech and language therapist, educational psychologist, child psychotherapist

Course Fees: \$20.00 per year

Contact: Home Economics Faculty

Construction VET



Public Schools NSW, Ultimo Registered Training Organisation 90072
VOCATIONAL EDUCATION and TRAINING
2020 CONSTRUCTION COURSE DESCRIPTION

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

2 or 4 Preliminary and/or HSC units in total

Board Developed Course Category B

Exclusions - VET course exclusions can be checked on the NESA website at

<http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions>

CPC20211 Certificate II in Construction Pathways

Based on Construction, Plumbing and Services Training Package Version Release 9.4 (CPC08 v9.4)

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

Units of Competency

Core

CPCCCM1012A	Work effectively and sustainably in the Construction Industry
CPCCWHS2001	Apply WHS requirement, policies and procedures in the construction industry
CPCCCM1013A	Plan and organise work
CPCCCM1014A	Conduct workplace communication
CPCCCM1015A	Carry out measurements and calculations
CPCCCM2001A	Read and interpret plans and specifications

Electives 6 out of the following

CPCCCA2011A	Handle carpentry materials
CPCCCA2003A	Erect and dismantle formwork for footings and slabs on the ground
CPCCCO2013A	Carry out concreting to simple form

Electives continued

CPCCCA2002B	Use carpentry tools and equipment
CPCCWF2001A	Handle wall and floor tiling materials
CPCCWF2002A	Use wall and floor tiling tools and equipment

Additional units required to attain a HSC credential in this course

CPCCCM2006B Apply basic levelling procedures
 CPCCWHS1001 Prepare to work safely in the construction industry.

Successful completion of this unit will lead to a General Construction Induction Card (White Card) from SafeWork NSW. This will allow student access to construction sites across Australia for work purposes. Students may apply for recognition of prior learning and /or credit transfer provided suitable evidence is submitted.

Recommended Entry Requirements

Students selecting this course should be interested in working in a construction environment. They should be able to carry out manual activities e.g. lifting, carrying and shifting loads of materials, climbing ladders and have the ability to use hand and power tools. There will be out of class homework, research activities and assignments.

Examples of occupations in the construction industry:

Building bricklaying concreting carpentry shop fitting joinery

Mandatory HSC Course Requirements

Students must complete 240 indicative hours of course work and a minimum of 70 hours work placement. Students who do not meet these requirements will be 'N' determined as required by the NESA. The SafeWork NSW General Construction Induction Card (White Card) is a mandatory requirement before commencing work placement.

External Assessment (optional HSC examination for ATAR purposes)

The Higher School Certificate examination for Construction 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 the eligibility of a student to receive a vocational qualification.

Competency-Based Assessment

Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency they can effectively carry out competency. When a student achieves a unit of competency it is signed off by the assessor.

Appeals and Complaints

Students may lodge a complaint or an appeal about a decision (including assessment decisions) appeal or a complaint about an assessment decision or other decisions through the VET teacher.

Course Costs: Resources \$TBA **PPE Consumables** \$80.00 per year **Other** \$100 TBC - White Card (Delivered by an external RTO). Refund Arrangements on a pro-rata basis. **Please see your VET teacher to enquire about financial assistance.**

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

Design and Technology

2 units for each of Preliminary and HSC

Board Developed Course Category A

Exclusions: Nil

Course Description

Students study design processes, design theory and factors in relation to design of products/projects. In the Preliminary course, students study designing and producing which includes the completion of several small design projects and associated folios. In the HSC course students undertake a study of innovation and emerging technologies which includes a case study of an innovation. Students are required to consolidate their design knowledge through the development of a major design project. This is a student centred project based upon a given need developed by the student. The solution can be a physical product or a conceptual idea using a variety of materials.

Main Topics Covered

Preliminary Course

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.

HSC Course

Innovation and Emerging Technologies including a case study of innovation. The study of designing and producing includes a Major Design Project. The project folio includes a project proposal and management, project development and realisation, and project evaluation.

Particular Course Requirements

In the Preliminary course, students must participate in hands-on practical activities. In the HSC course, the comprehensive study of designing and producing that were studied in the Preliminary course are synthesised and applied. This culminates in the development and realisation of a major design project and the presentation of a case study.

HSC Assessment

Internal Assessment

- Innovation and Emerging Technologies, including a compulsory case study of an innovation/design/designer
- Trial Examination
- Designing and Producing (which may include aspects of the Major Design Project)

External Assessment

Section I

A one and a half hour written examination. Questions based on Innovation & Emerging Technologies, Designing and Producing. These will provide opportunities for students to make reference to the Major Design Project and the Case Study.

Section II

Folio + major design project

Careers relevant to this course

Graphic design, trades, marketing, sales, planning and development or production, industrial design, engineering, project management, manufacturing, textile technology, TAFE – Fashion and Design, Interior Design etc.

Course Fees : \$70.00 per year

Contact : Industrial Technology Faculty

Additional Cost: Extra material used on major works if applicable.

Drama

2 units for each of Preliminary and HSC		Board Developed Course Category A		
Exclusions: Nil				
<p>Course Description: Students study the practices of Making, Performing and Critically Studying in Drama. Students engage with these components through collaborative and individual experiences. The Preliminary course content comprises an interaction between the components of Improvisation, Playbuilding and Acting, Elements of Production in Performance and Theatrical Traditions and Performance Styles. Learning is experiential in these areas. The HSC Course content of Australian Drama and Theatre and Studies in Drama and Theatre involves the theoretical study through practical exploration of themes, issues, styles and movements of traditions of theatre exploring relevant acting techniques, performance styles and spaces. The Group Performance of between 3 and 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. For the Individual Project students demonstrate their expertise in a particular area. They choose one project from Critical Analysis or Design or Performance or Script-writing or Video Drama.</p>				
<p>Main Topics Covered</p> <p>Preliminary Course</p> <ul style="list-style-type: none"> • Improvisation, Playbuilding, Acting • Elements of Production in Performance • Theatrical Traditions and Performance Styles 	<p>HSC Course</p> <ul style="list-style-type: none"> • Australian Drama and Theatre • Studies in Drama and Theatre • Group Performance (Compulsory) • Individual Project (Choice of Options) 			
<p>Particular Course Requirements The Preliminary course informs learning in the HSC course. In the study of theoretical components, students engage in practical workshop activities and performances to assist their understanding, analysis and synthesis of material covered in areas of study. In preparing for the Group Performance, a published topic list is used as a starting point. The Individual Project is negotiated between the student and the teacher at the beginning of the HSC course. Students choosing Individual Project Design or Critical Analysis should base their work on one of the texts listed in the published text list. This list changes every two years. Students must ensure that they do not choose a text or topic they are studying in Drama in the written component or in any other HSC course when choosing Individual Projects.</p>				
<p>HSC Assessment</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; vertical-align: top;"> <p>Internal Assessment</p> <p>A variety of assessment tasks which may include:</p> <ul style="list-style-type: none"> - log book - portfolio - individual and group performance - critical extended response <p>Trial Examination</p> </td> <td style="width: 50%; padding: 5px; vertical-align: top;"> <p>External Assessment</p> <ul style="list-style-type: none"> • A one and a half hour written examination. • Group Performance • Individual Project </td> </tr> </table>			<p>Internal Assessment</p> <p>A variety of assessment tasks which may include:</p> <ul style="list-style-type: none"> - log book - portfolio - individual and group performance - critical extended response <p>Trial Examination</p>	<p>External Assessment</p> <ul style="list-style-type: none"> • A one and a half hour written examination. • Group Performance • Individual Project
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Course Fees: \$50.00 per year

Contact: English Faculty

Earth and Environmental Science

2 units for each of Preliminary and HSC		Board Developed Course Category A		
Exclusions: Nil				
<p>Course Description</p> <p>The Year 11 course investigates compositional layers of the Earth, the origins of minerals, tectonic movements and energy transformations that occur and includes the study of human impact on the Earth's resources and its surface.</p> <p>The Year 12 course investigates how the processes of plate tectonics, the formation of water and the introduction of life interact with the atmosphere, hydrosphere, lithosphere and climate. Investigation of hazards, the mitigation of their effects and resource management are also considered which leads to an understanding of the need to centralise the theme of sustainability for the long term welfare of our planet and all forms of life dependent upon it.</p>				
<p>Main Topics Covered</p> <p>Preliminary Course</p> <ul style="list-style-type: none"> • Module 1 Earth's Resources • Module 2 Plate Tectonics • Module 3 Energy Transformations • Module 4 Human Impacts 	<p>HSC Course</p> <ul style="list-style-type: none"> • Module 5 Earth's Processes • Module 6 Hazards • Module 7 Climate Science • Module 8 Resource Management 			
<p>Particular Course Requirements</p> <p>Students are provided with 15 hours of course time for Depth Studies in both Year 11 and Year 12. During this time students may undertake an investigation/activity that allows for the further development of one or more scientific concepts.</p> <p>Fieldwork is mandated in both Year 11 and Year 12 and is an integral part of the learning process.</p>				
<p>Preliminary Assessment</p> <p>There are three formal assessments tasks, one practical task, a depth study and a yearly examination which contribute to the final grade.</p>				
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Course Fees: \$7.00 per year

Contact: Science Faculty

Economics

2 units for each of Preliminary and HSC		Board Developed Course Category A												
Exclusions: Nil														
<p>Course Description: Economics provides an understanding for students about many aspects of the economy and its operation that 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. 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, including consideration of the Global Financial Crisis. Economics is very valuable to any student who plans to study business, commerce, accountancy or law at TAFE or university.</p>														
<p>Main Topics Covered</p> <p>Preliminary Course</p> <ul style="list-style-type: none"> • Introduction to Economics • Consumers and Business Economics • Markets • Labour Markets • Financial Markets • Government in the Economy 		<p>HSC Course</p> <ul style="list-style-type: none"> • The Global Economy • Australia's Place in the Global Economy • Economic Issues • Economic Policies and Management 												
<p>Particular Course Requirements Suits all students especially those planning university studies. It is not necessary to have studied Commerce in the junior school.</p>														
<p>HSC Assessment</p> <table border="1"> <thead> <tr> <th>Internal Assessment</th> <th>External Assessment</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> • Knowledge and understanding • Stimulus-based skills • Inquiry and research • Communication of economic information, ideas and issues in appropriate form • Trial Examination </td> <td>A three hour written examination.</td> </tr> </tbody> </table>			Internal Assessment	External Assessment	<ul style="list-style-type: none"> • Knowledge and understanding • Stimulus-based skills • Inquiry and research • Communication of economic information, ideas and issues in appropriate form • Trial Examination 	A three hour written examination.								
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<p>Careers relevant to this course Economics students from this school have traditionally done well in the fields of economics, commerce and business at university. Apart from the importance of economics for understanding our world it provides essential background knowledge for a <u>wide variety of careers</u>, including:</p> <table border="1"> <tbody> <tr> <td>• accountancy</td> <td>• purchasing and supply</td> <td>• consumer research</td> </tr> <tr> <td>• local government</td> <td>• quantity surveying</td> <td>• teaching</td> </tr> <tr> <td>• market research</td> <td>• civil service</td> <td>• trade union work</td> </tr> <tr> <td>• advertising & marketing</td> <td>• retailing</td> <td>• wholesaling</td> </tr> </tbody> </table>			• accountancy	• purchasing and supply	• consumer research	• local government	• quantity surveying	• teaching	• market research	• civil service	• trade union work	• advertising & marketing	• retailing	• wholesaling
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Course Fees: \$7.00 per year		Contact: HSIE Faculty												

Engineering Studies

2 units for each of Preliminary and HSC	Board Developed Course Category A
Exclusions: Nil	
<p>Course Description: Both preliminary and HSC courses offer students the opportunity to study the many aspects of engineering in a broad range of areas. These include engineering mechanics/hydraulics, engineering materials, engineering electricity/electronics, communication and the scope of the engineering profession. Students are encouraged to solve engineering problems through the meaningful application of engineering principles. The course is an applied science with students studying real products and systems seeing the tangible outcomes from engineering.</p>	
<p>Main Topics Covered The course is based on the study of realistic engineering situations. It is a module based course where products and systems are studied discretely with students bringing practical engineering principles to apply on a problem culminating in the production of an engineering report. Areas for study include:</p> <ul style="list-style-type: none"> • engineering fundamentals • engineered products • braking systems • bio-engineering • civil structures • personal and public transport • aeronautical engineering • telecommunications <p>Study of these modules will be based on actual products and systems and will involve practical experimentation in the areas of engineering mechanics and materials. At least two modules studied will involve collaborative work.</p>	
<p>Particular Course Requirements Students develop a component of an engineering report from Engineered Products. Two full engineering reports are required in both Year 11 and Year 12. At least one report in each of the Preliminary and the HSC courses must be the result of collaborative work where students will design and build products such as solar cars and bridges.</p>	
HSC Assessment	
Internal Assessment	External Assessment
<ul style="list-style-type: none"> • Trial Examination • Engineering Reports 	A three hour written examination.
<p>Careers relevant to this course This course seeks to offer suitable preparation for the study of engineering, building, architecture, applied science or allied field at tertiary level. It also provides a good background for students who study physics, mathematics and/or chemistry.</p>	

Course Fees: \$30.00 per year

Contact: Industrial Technology Faculty

English Standard

2 units for each of Preliminary and HSC		Board Developed Course Category A
Exclusions: English Advanced; English Studies; ESL; Extension English		
Course Description		
In the Preliminary English (Standard) course students explore the ways events, experiences, ideas and processes are represented in and through texts.		
In the HSC English (Standard) course students reflect on and demonstrate the effectiveness of texts for different audiences and purposes.		
English (Standard) is designed for all students to increase their expertise in English and consolidate their English literacy skills in order to enhance their personal, social, educational and vocational lives. The students learn to respond to and compose a wide variety of texts in a range of situations in order to be effective, creative and confident communicators. This course is the English Course which is suited to the majority of students. Statistically, only the most exceptional students in Standard English achieve a Band 6. However, students who perform well in Standard English are not disadvantaged in the calculation of their ATAR scores.		
Main Topics Covered:		
Preliminary Course		HSC Course
The course has two sections:		The course has two sections:
1. Common Module		1. Common Module
Reading to Write: Transition to Senior English.		Texts and Human Experiences
Students undertake the intensive and close reading of quality texts from a variety of modes and media to develop the skills and knowledge necessary.		2. Modules
2. Modules		<ul style="list-style-type: none"> Module A: Language, Identity and Culture Module B: Close Study of Literature Module C: The Craft of Writing
<ul style="list-style-type: none"> Module A: Contemporary Possibilities Module B: Close Study of Literature 		
Particular Course Requirements		
There are no prescribed texts for Year 11. The course requires students to support their study of texts with their own wide reading from a range of different types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts.		
Preliminary Assessment		
There is a maximum of three assessments, of which one must be multimodal and one may be an examination.		
HSC Assessment		
Students are required to closely study three types of prescribed texts, one drawn from each of the following categories:		
<ul style="list-style-type: none"> prose fiction poetry or drama film or media or nonfiction students must study one related text in the Common module: Texts and Human Experiences. 		
The selection of texts for Module C: The Craft of Writing does not contribute to the required pattern of prescribed texts for the course.		
Internal Assessment		External Assessment
Maximum of four assessments.		Two examination papers:
<ul style="list-style-type: none"> A maximum of one assessment may be a formal written examination. One task must focus on Module C: The Craft of Writing One task must be a multimodal task. 		Paper 1: Common Module – Texts and Human Experiences
Trial Examination		A one and a half hour written examination.
		Paper 2: Modules
		A two hour written examination.

Course Fees: \$7.00 per year

Contact: English Faculty

English Advanced

Students must seek approval from Head Teacher English to attempt this course.

2 units for each of Preliminary and HSC		Board Developed Course Category A
Exclusions: English Standard; English Studies; ESL		
Course Description In the Preliminary English (Advanced) course students explore the ways events, experiences, ideas, values and processes are represented in and through texts and analyse the ways in which texts reflect different attitudes and values. In the HSC English (Advanced) course students analyse and evaluate texts and the ways they are valued in their contexts.		
English (Advanced) is designed for students to undertake the challenge of higher-order thinking to enhance their personal, social, educational and vocational lives. These students apply critical and creative skills in their composition of and response to texts in order to develop their academic achievement through understanding the nature and function of complex texts. Students who are interested and perform well in English should attempt this course. It would be advantageous to those who are considering University placement and applying for an ATAR, especially if they are passionate about literature and have excellent literacy skills. This subject is academically demanding and requires students to work towards achieving a high standard. Shakespeare is a compulsory text in Advanced English.		
Main Topics Covered: Preliminary Course The course has two sections 1. Common Module Reading to Write: Transition to Senior English 2. Modules <ul style="list-style-type: none"> Module A: Narratives that Shape our World Module B: Critical Study of Literature Throughout Year 11, students are expected to read widely in preparation for the HSC.		HSC Course The course has two sections: 1. Common Module Texts and Human Experiences 2. Modules <ul style="list-style-type: none"> Module A – Textual Conversations Module B – Critical Study of Literature Module C – The Craft of Writing.
Particular Course Requirements There are no prescribed texts for Year 11. The course requires students to support their study of texts with their own wide reading from a range of types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts.		
Preliminary Assessment There is a maximum of three assessments, of which one must be multimodal and one may be an examination.		
HSC Assessment Students are required to closely study four prescribed texts, one drawn from each of the following categories: <ul style="list-style-type: none"> Shakespearean drama prose fiction poetry OR drama - The remaining text may be film, media or nonfiction text or may be selected from one of the categories above. - The selection of texts for Module C: The Craft of Writing may be drawn from any types of texts and do not contribute to the pattern of prescribed texts for the course. <ul style="list-style-type: none"> Students must study one related text in the common module: Texts and Human Experiences. 		
Internal Assessment Maximum of four assessments <ul style="list-style-type: none"> A maximum of one assessment may be a formal written examination One task must focus on Module C: The Craft of Writing One task must be a multimodal presentation. Trial Examination		External Assessment Two examination papers: Paper 1: Common Module – Texts and Human Experiences A one and a half hour written examination. Paper 2: Modules A two hour written examination.

Course Fees: \$7.00 per year

Contact: English Faculty

English Extension (1 Unit)

<p>1 unit for each of Preliminary and HSC Board Developed Course Category A</p> <p>Prerequisite: Acceptance into the English Advanced Course. Completion of this course is a prerequisite for HSC Extension 1 and 2</p>	
<p>Students must seek approval from Head Teacher English to attempt this course</p> <p>English Extension is designed for students undertaking English Advanced who choose to study at a more intensive level in diverse but specific areas. They enjoy engaging with complex levels of conceptualisation and seek the opportunity to work in increasingly independent ways.</p>	
<p>Preliminary Course Students undertaking the Preliminary English (Extension) course must complete one mandatory module and a related project:</p> <p>Module: Texts, Culture and Value Students explore the ways in which aspects and concerns of texts from the past have been carried forward, borrowed from and/or appropriated into more recent culture. The module develops students' understanding of how and why cultural values are maintained and changed.</p> <p>Related Project This project provides opportunities for students to develop skills in independent investigation and critical and creative thinking. Students apply their knowledge about texts studied in this module to their own selected texts. They develop an understanding of research methodologies suitable to support a range of interpretive, analytical and imaginative projects.</p>	<p>HSC Course Students undertaking the HSC English (Extension) course must complete the common module and one elective:</p> <p>Common module: Literary Worlds Electives: Literary Homelands; Worlds of Upheaval; Reimagined Worlds; Literary Mindscapes; and Intersecting Worlds.</p>
<p>Preliminary Course Requirements Teachers prescribe one text from the past and its manifestations in one or more recent cultures. Students select one text and its manifestations in one or more recent cultures. Students research a range of texts as part of their independent project.</p> <p>Preliminary Assessment There are three assessment tasks, of which one may be an examination. One task must be a multimodal presentation about the Independent Related Project.</p>	
<p>HSC Course Requirements The study of at least THREE texts must be selected from a prescribed text list for the module study including at least TWO extended print texts. Students are required to study at least TWO related texts.</p>	
<p>HSC Assessment</p>	
<p>Internal Assessment:</p> <ul style="list-style-type: none"> • three assessment tasks • only one task may be a formal written examination • one task must be a creative response • at least one task must integrate student selected related material <p>Trial Examination</p>	<p>External Assessment A two hour written examination consisting of two sections:</p> <p>Section I – Common Module Section II – Elective</p>
<p>Course Fees: Nil Contact: English Faculty</p>	

Food Technology

2 units for each of Preliminary and HSC Exclusions: Nil	Board Developed Course Category A				
<p>Course Description</p> <p>The Stage 6 Food Technology course is diverse with a range of hands on experiences that provide students with the opportunity to develop broad knowledge and understanding about nutrition, diet and health in Australia, food availability and selection.</p> <p>Students investigate the Australian Food Industry, the production, processing, packaging, storage and distribution of food and the marketing of food products. Students will become informed about the nutritional status of foods and appreciate the inter-relationships between the food system, society and the environment. Practical skills in developing, experimenting, planning, preparing and presenting food are integrated throughout the course.</p> <p>The course provides the foundation knowledge and skills required to enter a vast array of tertiary courses as well as supporting a range of careers.</p>					
<p>Main Topics Covered</p> <p>Preliminary Course</p> <ul style="list-style-type: none"> • Food Availability and Selection • Food Quality • Nutrition 	<p>HSC Course</p> <ul style="list-style-type: none"> • The Australian Food Industry • Food Manufacture • Food Product Development • Contemporary Nutrition Issues 				
<p>Preliminary Assessment</p> <p>An internal assessment mark produced from a range of assessment tasks and practical activities.</p>					
<p>HSC Assessment</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Internal Assessment</td> <td style="width: 50%; border: none;">External Assessment</td> </tr> <tr> <td style="border: none; vertical-align: top;"> Assessment mark submitted by the school using a range of assessment tasks. Trial Examination </td> <td style="border: none; vertical-align: top;"> A three hour written examination. </td> </tr> </table>		Internal Assessment	External Assessment	Assessment mark submitted by the school using a range of assessment tasks. Trial Examination	A three hour written examination.
Internal Assessment	External Assessment				
Assessment mark submitted by the school using a range of assessment tasks. Trial Examination	A three hour written examination.				
<p>Careers relevant to this course</p> <p>TAFE studies – Tourism, butcher, bar attendant, event’s organiser, allied health assistant, food scientist, cook, baker, chef, food service manager, conference centre manager, fast food restaurant manager and caterer.</p> <p>University - Nutrition, dietician, food technologist, winemaker, health promotion officer, product development, secondary teacher, medical sales representative, nutritional therapist, animal nutritionist</p> <p>Other careers where this course would be useful include – Food stylist, personal trainer, product development scientist, food photographer, health service manager, herbalist, international aid worker, charity fundraiser, accommodation/hotel manager, air cabin crew, marketing or retail manager.</p>					

Course Fees: \$90.00 per year to cover cost of food provided.

Contact: Home Economics Faculty

French Beginners

2 units for each of Preliminary and HSC

Board Developed Course Category A

Exclusions: French Continuers - Other eligibility rules apply to the study of this subject. Check with your teacher or the Board's ACE Manual.

Course Description

Learning to speak another language is increasingly important for effective participation in a globalised world. If you want to work in any of the fields listed below or if you just want to be able to speak another language, then this course is for you. It may also be beneficial if you intend to pursue courses in the Arts or Liberal Arts, International Studies or Social Sciences at university.

In the Preliminary course, students will develop their knowledge and understanding of French across a range of topics. These will be explored through the organic and 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 and may study new topics or more detailed treatment of topics previously studied.

This course aims to :

- develop the skills necessary for effective communication in French
- gain an understanding of and insight into French culture
- encourage the personal satisfaction and enjoyment which can be gained through the experience of learning another language

Main Topics Covered:

- | | |
|--|--|
| <ul style="list-style-type: none"> • Personal identification • Family and friends • Daily Routine • Shopping | <ul style="list-style-type: none"> • Food • Leisure Activities • The Aware Traveller • Traditions and Lifestyle • The World of Work |
|--|--|

HSC Assessment

Internal Assessment

- Listening Skills
- Speaking Skills
- Reading Skills
- Writing Skills

Trial Examination

External Assessment

An oral examination:

- Speaking Skills

A written examination:

- Listening Skills
- Reading Skills
- Writing Skills

Careers relevant to this course

Flight attendant, receptionist, private secretary, tour guide, travel clerk/consultant, migration officer, journalist, import/export clerk, social worker, translator, hospitality industry, teacher, marketing manager, advertising, speech pathologist and many more.

Some universities now award bonus points for having studied a foreign language in Years 11 and/or 12. For information check the university website or UAC Guide.

Course Fees: \$35.00 per year – TBC

Contact: Language - CAPA Faculty

Geography

2 units for each of Preliminary and HSC Exclusions: Nil	Board Developed Course Category A				
<p>Course Description</p> <p>The Preliminary course draws on contemporary developments in biophysical and human geography and refines students' knowledge and understanding about the spatial and ecological dimensions of geography. It uses enquiry methodologies to investigate the unique characteristics of our world through fieldwork, mastery of geographical skills and the study of contemporary geographical issues.</p> <p>The HSC course enables students to understand and appreciate geographical perspectives about the contemporary world. It draws on rigorous academic tradition in the discipline of Geography, with specific studies about biophysical and human processes, interactions and trends. The application of enquiry methodologies through fieldwork and a variety of case studies combines with an assessment of the geographers' contribution to understanding our environment, and demonstrates the relevance of geographical study.</p> <p>In the past, many of our students have found Geography and Economics to be a good combination, and Geography will now also combine well with Earth and Environmental Science.</p>					
<p>Main Topics Covered</p> <p>Preliminary Course</p> <ul style="list-style-type: none"> • Biophysical Interactions • Global Challenges • Senior Geography Project 	<p>HSC Course</p> <ul style="list-style-type: none"> • Ecosystems at Risk • Urban Places • People and Resource Use 				
<p>Particular Course Requirements</p> <p>Suits all students. The preliminary course includes a research project. The topic for this project is to be chosen by each student.</p>					
<p>HSC Assessment</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; padding: 5px;">Internal Assessment</th> <th style="width: 50%; padding: 5px;">External Assessment</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <ul style="list-style-type: none"> • Knowledge and understanding • Geographical tools and skills • Geographical inquiry and research, including fieldwork • Communication of geographical information, ideas and issues in appropriate form <p>Trial Examination</p> </td> <td style="padding: 5px;"> <p>A three hour written examination.</p> </td> </tr> </tbody> </table>		Internal Assessment	External Assessment	<ul style="list-style-type: none"> • Knowledge and understanding • Geographical tools and skills • Geographical inquiry and research, including fieldwork • Communication of geographical information, ideas and issues in appropriate form <p>Trial Examination</p>	<p>A three hour written examination.</p>
Internal Assessment	External Assessment				
<ul style="list-style-type: none"> • Knowledge and understanding • Geographical tools and skills • Geographical inquiry and research, including fieldwork • Communication of geographical information, ideas and issues in appropriate form <p>Trial Examination</p>	<p>A three hour written examination.</p>				
<p>Careers relevant to this course</p> <p>Many careers and university courses become available to students who study Geography. These include town planning, travel consultant, photographer, environmentalist, park ranger and teaching.</p>					

Course Fees: \$7.00 per year

Contact: HSIE Faculty

Additional Costs: Applicable fieldwork costs

Hospitality VET



Education

Public Schools NSW, Ultimo Registered Training Organisation 90072

VOCATIONAL EDUCATION and TRAINING

2020 HOSPITALITY KITCHEN OPERATIONS COURSE DESCRIPTION

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

2 or 4 Preliminary and/or HSC units in total

Board Developed Course Category B

Exclusions - VET course exclusions can be checked on the NESA website at

<http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions>

SIT20416 Certificate II in Kitchen Operations Based on SIT Tourism, Travel and Hospitality training package (version 1.2).

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

Units of Competency

Core

BSBWOR203	Work effectively with others
SITHCCC001	Use food preparation equipment
SITHCCC005	Prepare dishes using basic methods of cookery
SITHCCC011	Use cookery skills effectively
SITHKOP001	Clean kitchen premises and equipment
SITXFSA001	Use hygienic practices for food safety
SITXINV002	Maintain the quality of perishable items
SITXWHS001	Participate in safe work practice

Electives

SITHCCC002	Prepare and present simple dishes
SITHCCC003	Prepare and present sandwiches
SITHCCC006	Prepare appetisers and salads
BSBSUS201	Participate in environmentally sustainable work practices
SITXFSA002	Participate in safe food handling practices
SITHIND002	Source and use information on the hospitality industry

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

Recommended Entry Requirements

Students selecting this course should be interested in working in a kitchen preparing food. They should be able to lift and carry equipment, use hand held and larger commercial kitchen equipment. Students will be required to attend events and functions out of school hours. There will be out of class homework, research activities and assignments.

Examples of occupations in the hospitality industry

trainee chef short order fast food cook breakfast cook

Mandatory HSC Course Requirements Students must complete 240 indicative hours of course work and a minimum of 70 hours work placement. Students who do not meet these requirements will be 'N' determined as required by NESA.

External Assessment (optional HSC examination for ATAR purposes)

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

Competency-Based Assessment

Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency.

Appeals and Complaints

Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.

Course Costs: Resources \$TBA Industry cost and kit rental **Consumables** \$140 per year

Refund Arrangements on a pro-rata basis. Please see your VET teacher to enquire about financial assistance

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

Indonesian Beginners

2 units for each of Preliminary and HSC

Board Developed Course Category A

Exclusions: Indonesian Continuers; Indonesian for background speakers; Malay for background speakers. Other eligibility rules apply to the study of this subject. Check with your teacher or the Board's ACE Manual.

Course Description

Learning to speak another language is increasingly important for effective participation in a globalised world. If you want to work in any of the fields listed below or if you just want to be able to speak another language, then this course is for you. It may also be beneficial if you intend to pursue courses in the Arts or Liberal Arts, International Studies or Social Sciences at university.

In the Preliminary course, students will develop their knowledge and understanding of Indonesian across a range of topics. These will be explored through the organic and 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 Indonesian through the four skills and may study new topics or more detailed treatment of topics previously studied.

This course aims to:

- develop the skills necessary for effective communication in Indonesian
- gain an understanding of and insight into Indonesian culture
- encourage the personal satisfaction and enjoyment which can be gained through the experience of learning another language

Main Topics Covered:

- | | |
|--|--|
| <ul style="list-style-type: none"> • Personal identification • Family and friends • Daily Routine • Shopping | <ul style="list-style-type: none"> • Food • Leisure Activities • The Aware Traveller • Traditions and Lifestyle • The World of Work |
|--|--|

HSC Assessment

Internal Assessment

External Assessment

- Speaking Skills
- Listening Skills
- Reading Skills
- Writing Skills

Trial Examination

- An oral examination:
- Speaking Skills
- A written examination:
- Listening Skills
 - Reading Skills
 - Writing Skills

Careers relevant to this course

Flight attendants, receptionist, private secretary, tour guide, travel clerk/consultant, migration officer, journalist, import/export clerk, social worker, translator, hospitality industry, teaching, marketing manager, advertising, speech pathologist and many more.

Some universities now award bonus points for having studied a foreign language in Years 11 and/or 12. For information check the university website or UAC Guide.

Course Fees: \$35.00 per year – TBC

Contact: Language - CAPA Faculty

Industrial Technology: Graphics

2 units for each of Preliminary and HSC Exclusions: Industrial Technology: Timber		Board Developed Course Category A	
Course Description Industrial Technology Stage 6 consists of project work and Industry Study that develop a broad range of skills and knowledge related to the industry focus area chosen, and an introduction to industrial processes and practices. The Focus Area: Graphics Technology			
Main Topics Covered Preliminary Course The following sections are taught in relation to the relevant focus area: <ul style="list-style-type: none"> • Industry Study – structural, technical, environmental and sociological, personnel, Occupational Health and Safety. • Design and Management – designing, drawing, computer applications, project management. • Workplace Communication – literacy, calculations, graphics. • Industry Specific Content and Production 		HSC Course The following sections are taught in relation to the relevant focus area through the development of a Major Project and a study of the relevant industry: <ul style="list-style-type: none"> • Industry Study • Design and Management • Workplace Communication • Industry Specific Content and Production 	
Particular Course Requirements In the Preliminary course, students must design, develop and construct a number of projects (at least one group project). Each project must include a management folio. Students also undertake the study of an individual business within the industry. In the HSC course, students must design, develop and construct a major project with a management folio. They also undertake a study of the overall industry related to the specific focus area.			
HSC Assessment			
Internal Assessment		External Assessment	
<ul style="list-style-type: none"> • Industry Study • Designing, planning and management • Workplace communication • Industry specific content Trial Examination		<ul style="list-style-type: none"> • A one and a half hour written examination • Major Project (product & portfolio) 	
Careers relevant to this course Architect, CAD, drafting, town planning, engineering			
Course Fees: \$35.00 per year to cover cost of materials		Contact: Industrial Arts Faculty	

Industrial Technology: Timber Products and Furnishings

2 units for each of Preliminary and HSC
Exclusions: Industrial Technology: Graphics

Board Developed Course Category A

Course Description

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

The Focus Area: Timber products and furniture industries

Main Topics Covered

Preliminary Course

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

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

HSC Course

The following sections are taught in relation to the relevant focus area through the development of a Major Project and a study of the relevant industry:

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

Particular Course Requirements:

In the Preliminary course, students must design, develop and construct a number of projects (at least one group project). Each project must include a management folio. Students also undertake the study of an individual business within the industry. In the HSC course, students must design, develop and construct a major project with a management folio. They also undertake a study of the overall industry related to the specific focus area.

HSC Assessment

Internal Assessment

- Industry Study
- Designing, planning and management
- Workplace communication
- Industry specific content

Trial Examination

External Assessment

- A one and a half hour written examination
- Major Project (product & portfolio)

Careers relevant to this course

Building and construction, cabinet making, woodcraft, furniture maker, handyman, maintenance, wood machinist

Course Fees: \$80.00 per year to cover cost of materials

Contact: Industrial Arts Faculty

Additional costs: Extra material used on major works if applicable.

Legal Studies

2 units for each of Preliminary and HSC		Board Developed Course Category A
Exclusions: Nil		
<p>Course Description</p> <p>The Preliminary course develops students' knowledge and understanding about the nature and social functions of law and law making, the development of Australian and international legal systems, and the specific nature of the Australian constitution, and the role of the individual. This is achieved by investigating, analysing and synthesising legal information and investigating legal issues from a variety of perspectives.</p> <p>The HSC course investigates the key areas of criminal law, justice and human rights. Two focus studies provide students the opportunity to consider how changes in society influence the individual and law reform.</p> <p>Legal Studies is a very interesting complement to the study of Business Studies, Economics, Modern History and is very effective at developing thinking skills.</p>		
<p>Main Topics Covered</p> <p>Preliminary Course</p> <ul style="list-style-type: none"> • The legal system • The individual and the law • Law in practice 		<p>HSC Course</p> <ul style="list-style-type: none"> • Crime • Human Rights • Options <p>Two options are chosen from Consumers, Global environmental protection, Family, Indigenous peoples, Shelter, Workplace and World Order.</p>
<p>Particular Course Requirements</p> <p>It is not necessary to have studied Commerce in the junior school.</p>		
<p>HSC Assessment</p>		
<p>Internal Assessment</p> <ul style="list-style-type: none"> • Knowledge & Understanding • Inquiry & Research • Communication of Legal Studies information, issues and ideas in appropriate forms <p>Trial Examination</p>		<p>External Assessment</p> <p>A three hour written examination.</p>
<p>Careers relevant to this course</p> <p>Solicitor, barrister, journalist, social and welfare workers, legal secretary court reporter, police</p>		

Course Fees: \$7.00 per year

Contact: HSIE Faculty

Mathematics Preliminary Standard

2 units for Preliminary	Board Developed Course Category A
Exclusions: Mathematics Advanced, Mathematics Extension 1	
Prerequisites:	The course is constructed on the assumption that the students have achieved the outcomes of Stage 5 Mathematics, together with the recommended options. Students will be preparing for this course throughout Term 4 and it is expected that students will participate.
Classes:	Students and parents should consider the Term 1 class placement temporary as Year 11 classes may be restructured during Term 2 following analysis of the first assessment task. The HSC pathway, either Standard 1 or Standard 2, will also be considered when structuring classes.
Course Description The Mathematics Standard courses are focused on enabling students to use mathematics effectively, efficiently and critically to make informed decisions in their daily lives. They provide students with the opportunities 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 subjects. This preliminary course leads to the Mathematics HSC Standard 2 pathway or the Mathematics HSC Standard 1 pathway and the information on this page should be read in conjunction with those course outlines.	
Main Topics Covered Preliminary Course <ul style="list-style-type: none">• Algebra ◇• Measurement ◇• Financial Mathematics ◇• Statistical Analysis ◇	
Preliminary Assessment A variety of assessment tasks across all of the content of the course. <ul style="list-style-type: none">• concepts, skills and techniques• reasoning and communication• three assessment tasks of examination and investigation style	
Students and their parents are encouraged to check requirements for university entry following the decision by some universities to make Mathematics Advanced as a prerequisite. For more information check the university websites or your UAC guide.	

Course Fees: \$7.00 per year

Contact: Mathematics Faculty

Mathematics HSC Standard 2

2 units for HSC following Mathematics Preliminary Standard Board Developed Course Category A Exclusions: Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2	
Prerequisites: The course is constructed on the assumption that students have achieved the outcomes of Mathematics Preliminary Standard.	
Course Description Mathematics Standard 2 is designed for those 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.	
Main Topics Covered HSC Course: <ul style="list-style-type: none"> • Algebra • Measurement • Financial Mathematics • Statistical Analysis • Networks 	
HSC Assessment The HSC examination will be based on the Mathematics Standard 2 Year 12 course and will focus on the course objectives and Year 12 outcomes. The Mathematics Standard Year 11 course will be assumed knowledge for this examination and may be examined.	
Internal Assessment	External assessment
Four assessment tasks examining: <ul style="list-style-type: none"> • understanding, fluency and communication • problem solving, reasoning and justification The tasks of examination and investigation style. Trial Examination	A 2 hour and a half hour written examination.

Course Fees: \$7.00 per year

Contact: Mathematics Faculty

Mathematics HSC Standard 1

<p>2 units for HSC following Mathematics Preliminary Standard Board Developed Course Category B</p> <p>Exclusions: Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2</p>					
<p>Prerequisites: The Mathematics Standard 1 course assumes students have experienced all of the content of the Mathematics Preliminary Standard syllabus. Students currently in 10M₅ and some from 10M₄ may find this course suitable when they reach Year 12.</p>					
<p>Course Description</p> <p>Mathematics Standard 1 is designed to help students improve their numeracy by building their confidence and success in making mathematics meaningful. Numeracy is more than being able to operate with numbers. It requires mathematical knowledge and understanding, mathematical problem-solving skills and literacy skills, as well as positive attitudes. When students become numerate they are able to manage a situation or solve a problem in real contexts, such as everyday life, work or further learning. This course offers students the opportunity to prepare for post-school options of employment or further training.</p>					
<p>Main Topics Covered</p> <p>HSC Course:</p> <ul style="list-style-type: none"> • Algebra • Measurement • Financial Mathematics • Statistical Analysis • Networks 					
<p>HSC Assessment</p> <p>The HSC examination will be based on the Mathematics HSC Standard 1 course and will focus on the course objectives and Year 12 outcomes. The Mathematics Preliminary Standard course content notated by \diamond will be assumed knowledge for this examination and may be examined.</p>					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: left;">Internal Assessment</th> <th style="width: 50%; text-align: left;">External assessment</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <p>Four assessment tasks examining:</p> <ul style="list-style-type: none"> • understanding, fluency and communication • problem solving, reasoning and justification. <p>The tasks will be of examination and investigation style.</p> <p>Trial Examination</p> </td> <td style="vertical-align: top;"> <p>Students studying Mathematics Standard 1 may elect to undertake an optional HSC examination which will be a written examination of two hours.</p> <p>Should a student seek an Australian Tertiary Admission Rank (ATAR), the examination mark may be used by the Universities Admission Centre (UAC) to contribute to the calculation of the ATAR.</p> </td> </tr> </tbody> </table>		Internal Assessment	External assessment	<p>Four assessment tasks examining:</p> <ul style="list-style-type: none"> • understanding, fluency and communication • problem solving, reasoning and justification. <p>The tasks will be of examination and investigation style.</p> <p>Trial Examination</p>	<p>Students studying Mathematics Standard 1 may elect to undertake an optional HSC examination which will be a written examination of two hours.</p> <p>Should a student seek an Australian Tertiary Admission Rank (ATAR), the examination mark may be used by the Universities Admission Centre (UAC) to contribute to the calculation of the ATAR.</p>
Internal Assessment	External assessment				
<p>Four assessment tasks examining:</p> <ul style="list-style-type: none"> • understanding, fluency and communication • problem solving, reasoning and justification. <p>The tasks will be of examination and investigation style.</p> <p>Trial Examination</p>	<p>Students studying Mathematics Standard 1 may elect to undertake an optional HSC examination which will be a written examination of two hours.</p> <p>Should a student seek an Australian Tertiary Admission Rank (ATAR), the examination mark may be used by the Universities Admission Centre (UAC) to contribute to the calculation of the ATAR.</p>				

Course Fees: \$7.00 per year

Contact: Mathematics Faculty

Mathematics Advanced

2 units for each of Preliminary and HSC		Board Developed Course Category A
Exclusions: Mathematics Preliminary Standard, Mathematics HSC Standard 1 or 2		
Prerequisites:	The course is constructed on the assumption that students have achieved a high level of competence in the outcomes of the Mathematics course for Stage 5. Students who have followed the 5.2 Pathway in 10M2, 10M3 & 10M4 <u>must</u> apply for entry to this course. Strong final results in 2019 (Grade A10 or A9, B8 or B7) and a Grade A or B in the recent Half Yearly report will be expected for the Mathematics course.	
Classes:	Students and parents should consider the Term 1 class placement temporary as Year 11 classes may be restructured during Term 2 following analysis of the first assessment task.	
Course Description		
The Mathematics Advanced course provides opportunities for students to acquire knowledge, skills and understanding in relation to concepts within the area of mathematics that have applications in an increasing number of contexts. These concepts and applications are appropriate to the students' continued experience of mathematics as a coherent, interrelated, interesting and intrinsically valuable study that forms the basis for future learning. The concepts and techniques of differential and integral calculus form a strong basis of the course, and are developed and used across the course, through a range of applications and in increasing complexity.		
The Mathematics Advanced course is focused on enabling students to appreciate that mathematics is a unique and powerful way of viewing the world to investigate order, relation, pattern, uncertainty and generality. The course provides students with the opportunity to develop ways of thinking in which problems are explored through observation, reflection and reasoning.		
The Mathematics Advanced course provides a basis for further studies in disciplines in which mathematics and the skills that constitute thinking mathematically have an important role. It is designed for those students whose future pathways may involve mathematics and its applications in a range of disciplines at the tertiary level.		
Main Topics Covered		
Preliminary Course	HSC Course	
<ul style="list-style-type: none"> • Algebraic Techniques • Working with functions • Trigonometry and measure of angles • Trigonometric functions and identities • Introduction to differentiation • Logarithms and exponentials • Probability and discrete probability distributions 	<ul style="list-style-type: none"> • Graphing techniques • Trigonometric functions and graphs • Differential calculus • The second derivative • Integral calculus • Modelling financial situations • Descriptive statistics and bivariate data analysis • Random variables 	
HSC Assessment		
The Mathematics Advanced examination will focus on the course objectives and the Year 12 outcomes. The Year 11 course is assumed knowledge and may be examined.		
Internal Assessment	External assessment	
Four assessment tasks examining: <ul style="list-style-type: none"> • understanding, fluency and communication • problem solving, reasoning and justification. The tasks will be of examination and investigation style. Trial Examination	A three hour written examination.	
Students and their parents are encouraged to check requirements for university entry following the decision by some universities to make Mathematics Advanced as a prerequisite. For more information check the university websites or your UAC guide.		
Course Fees: \$7.00 per year		Contact: Mathematics Faculty

Mathematics Preliminary Extension (Mathematics HSC Extension 1)

3 units for each of Preliminary and HSC		Board Developed Course Category A	
Exclusions: Mathematics Preliminary Standard, Mathematics HSC Standard 1 or 2			
Prerequisites:		The course is constructed on the assumption that students have achieved the outcomes of the 5.3 Pathway in the Mathematics course for Stage 5. Students currently in 10M1 will be preparing for this course throughout Term 4 and it is expected that students will complete the recommended options during Term 4. This, in conjunction with Grade A10 or A9, will allow entry to this course.	
Classes:		Students and parents should consider the Term 1 class placement temporary as Year 11 classes may be restructured during Term 2 following analysis of the first assessment task.	
Course Description			
<p>The Mathematics Stage 6 courses, in particular Mathematics Advanced, Mathematics Extension 1 and Mathematics Extension 2, form a continuum to provide opportunities at progressively higher levels for students to acquire knowledge, skills and understanding in relation to concepts within the area of mathematics that have applications in an increasing number of contexts. These concepts and applications are appropriate to the students' continued experience of mathematics as a coherent, interrelated, interesting and intrinsically valuable study that forms the basis for future learning. The introductory concepts and techniques of differential and integral calculus form a strong basis of the courses, and are developed and used across the courses, through a range of applications.</p> <p>Mathematics Extension 1 is focused on enabling students to develop a thorough understanding of and competence in further aspects of mathematics. The course provides opportunities to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively. Students of Mathematics Extension 1 will be able to develop an appreciation of the interconnected nature of mathematics, its beauty and its functionality.</p> <p>Mathematics Extension 1 provides a basis for progression to further study in mathematics or related disciplines in which mathematics has a vital role at a tertiary level. An understanding and exploration of Mathematics Extension 1 is also advantageous for further studies in such areas as science, engineering, finance and economics.</p>			
Main Topics Covered		HSC Course	
Preliminary Course		HSC Course	
<p>In addition to the Preliminary Advanced Mathematics course:</p> <ul style="list-style-type: none"> • Further work with functions • Polynomials • Inverse trigonometric functions • Further trigonometric identities • Rates of change • Working with combinatorics 		<p>In addition to the HSC Advanced Mathematics course:</p> <ul style="list-style-type: none"> • Proof by mathematical induction • Introduction to vectors • Trigonometric equations • Further calculus skills • Applications of calculus • The binomial distribution 	
HSC Assessment			
The Preliminary Mathematics Extension and Advanced Mathematics courses will be assumed knowledge for the HSC examination and may be examined.			
External Assessment		Internal assessment	
<p>Four assessment tasks in Year 12 examining:</p> <ul style="list-style-type: none"> • understanding, fluency and communication • problem solving, reasoning and justification. <p>The tasks will be of examination and investigation style.</p> <p>Trial Examination</p>		A two hour written examination.	
Course Fees: Nil		Contact: Mathematics Faculty	

Mathematics HSC Extension 2

1 unit additional to the 3 unit Extension 1 course, for the HSC only. Board Developed Course Category A
(Usually commences in Term 4 of Year 11)

Exclusions: Mathematics Preliminary Standard, Mathematics HSC Standard 1 or 2

Prerequisites: The syllabus is designed for students with a special interest in mathematics who have shown that they possess special aptitude for the subject. The decision as to whether to attempt this course is generally made in Term 3 of Year 11. Students are encouraged to discuss this matter with their class teacher and the Head Teacher.

Course Description

The Mathematics Stage 6 courses, in particular Mathematics Advanced, Mathematics Extension 1 and Mathematics Extension 2, form a continuum to provide opportunities at progressively higher levels for students to acquire knowledge, skills and understanding in relation to concepts within the area of mathematics that have applications in an increasing number of contexts. These concepts and applications are appropriate to the students' continued experience of mathematics as a coherent, interrelated, interesting and intrinsically valuable study that forms the basis for future learning. The introductory concepts and techniques of differential and integral calculus form a strong basis of the courses, and are developed and used across the courses, through a range of applications.

Mathematics Extension 2 provides students with the opportunity to develop strong mathematical manipulative skills and a deep understanding of the fundamental ideas of algebra and calculus, as well as an appreciation of mathematics as an activity with its own intrinsic value, involving invention, intuition and exploration. Mathematics Extension 2 extends students' conceptual knowledge and understanding through exploration of new areas of mathematics not previously seen.

Mathematics Extension 2 provides a basis for a wide range of useful applications of mathematics in addition to a strong foundation for further study of the subject.

Main Topics Covered

The course content includes the entire Mathematics course, the entire Mathematics Extension 1 course and, in addition, contains:

- The nature of proof
- Further proof by mathematical induction
- Further work with vectors
- Introduction to complex numbers
- Using complex numbers
- Further integration
- Applications of calculus to mechanics

HSC Assessment

The Mathematics Extension 1 & Advanced Mathematics courses will be assumed knowledge.

External Assessment

There will be a maximum of four assessment tasks examining:

- understanding, fluency and communication
- problem solving, reasoning and justification.

The tasks will be of examination and investigation style.

Trial Examination

Internal assessment

A three hour written examination.

Course Fees: Nil

Contact: Mathematics Faculty

Metal and Engineering VET



Education

Public Schools NSW, Ultimo Registered Training Organisation 90072

VOCATIONAL EDUCATION and TRAINING

2020 METAL and ENGINEERING COURSE DESCRIPTION

This may change due to Training Package and NSW Education Standards Authority (NESA) updates.

Notification of variations will be made in due time.

2 or 4 Preliminary and/or HSC units in total

Board Developed Course Category B

Exclusions - VET course exclusions can be checked on the NESA website at

<http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions>

MEM10105 Certificate I in Engineering Based on MEM05 Metal and Engineering training package (version 11.1)

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

Units of Competency

Induction

Manufacturing, engineering and related services industries induction

Core

MEM13014A	Apply principles of occupational health and safety in the work environment
MEM104004A	Plan to undertake a routine task
MEM15024A	Apply quality procedures
MEM16007A	Work with others in a manufacturing, engineering or related environment

Electives

MEM11011B	Undertake manual handling
MEM09002B	Interpret technical drawing
MEM12023A	Perform engineering measurements
MEM12024A	Perform computations
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEM03001B	Perform manual production assembly
MEM03003B	Perform sheet and plate assembly
MEM15002A	Apply quality systems

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

Recommended Entry Requirements

Students selecting this course should be interested in working in a manufacturing environment. They should be able to use hand and power tools, lift and carry small and large objects. There will be out of class homework, research activities and assignments.

Examples of occupations in the Metal and Engineering industry

Fitter machinist refrigeration and air conditioning mechanic toolmaker maintenance fitter locksmith

Mandatory HSC Course Requirements

Students must complete 240 indicative hours of course work and a minimum of 70 hours of work placement. Students who do not meet these requirements will be 'N' determined as required by NESA.

External Assessment (optional HSC examination for ATAR purposes)

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

Competency-Based Assessment

Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency.

Appeals and Complaints

Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.

Course Costs: Resources \$ TBA PPE Consumables \$80.00 per year

Refund Arrangements on a pro-rata basis. Please see your VET teacher to enquire about financial assistance

A school-based traineeship and apprenticeship are available in this course, for more information:

<http://www.sbatinnsw.info/>

Modern History

2 units for each of Preliminary and HSC		Board Developed Course Category A				
Exclusions: Nil						
<p>Course Description</p> <p>The Year 11 course provides students with opportunities to develop and apply their understanding of methods and issues involved in the investigation of modern history. Students have the opportunity to engage in the study of a range of people, ideas, movements, events and developments that have shaped the modern world.</p> <p>The Year 12 course provides students with opportunities to apply their understanding of sources and relevant issues in the investigation of the modern world. Through a core study, students investigate the nature of power and authority 1919–1946. They also study key features in the history of one nation, one study in peace and conflict and one study of change in the modern world.</p>						
<p>Main Topics Covered</p> <p>Year 11</p> <p>The Year 11 course comprises three sections.</p> <ul style="list-style-type: none"> • Investigating Modern History <ul style="list-style-type: none"> - Students undertake at least one option from ‘The Nature of Modern History’, and at least two case studies. • Historical Investigation • The Shaping of the Modern World <ul style="list-style-type: none"> - At least one study from ‘The Shaping of the Modern World’ is to be undertaken. <p>Historical concepts and skills are integrated with the studies undertaken in Year 11.</p>		<p>Year 12</p> <p>The Year 12 course comprises four sections.</p> <ul style="list-style-type: none"> • Core Study: Power and Authority in the Modern World 1919–1946 • One ‘National Studies’ topic • One ‘Peace and Conflict’ topic • One ‘Change in the Modern World’ topic <p>Historical concepts and skills are integrated with the studies undertaken in Year 12.</p>				
<p>Preliminary Assessment</p> <p>There are three formal assessments including:</p> <ul style="list-style-type: none"> • an In-class Source-Based Test • a Historical Investigation • Yearly Examination. 						
<p>HSC Assessment</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Internal Assessment</td> <td style="width: 50%;">External Assessment</td> </tr> <tr> <td>A combination of research investigations and in-class tests Trial Examination</td> <td>A three hour written examination.</td> </tr> </table>			Internal Assessment	External Assessment	A combination of research investigations and in-class tests Trial Examination	A three hour written examination.
Internal Assessment	External Assessment					
A combination of research investigations and in-class tests Trial Examination	A three hour written examination.					
Course Fee: \$7.00 per year		Contact: HSIE Faculty				

Music 1

2 units for each of Preliminary and HSC		Board Developed Course Category A
Prerequisites: Music mandatory course (or equivalent) ie Years 7 & 8 Music		
Exclusions: Music 2		
Course Description		
<p>This course is for any senior student – including those that have never studied music before. All you need is a desire to learn to play an instrument (or sing) or to improve your skill if you can already play.</p> <p>In the Preliminary and HSC courses, students will study: the concepts of music through learning experiences in performance, composition, musicology (the study of styles of music) and aural (listening) within the context of a range of styles, periods and genres.</p>		
Main Topics Covered		
Students study three topics in each year of the course. Topics are chosen from a list of 21 which cover a range of styles, periods and genres eg rock, jazz, Australian music, technology and its influence on music, small ensembles, music of radio, film & television, an instrument and its repertoire.		
Particular course requirements		
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.		
HSC Assessment		
Internal Assessment		External Assessment
<ul style="list-style-type: none"> • Core performance • Core composition • Core musicology • Core aural • Elective 1 • Elective 2 • Elective 3 <p>Trial Examination</p>		<p>Core Performance (one piece) A 1 hour aural exam</p> <p>Electives Three electives from any combination of:</p> <ul style="list-style-type: none"> • One performance • On composition • Musicology (one <i>viva voce</i> a 10 minute spoken exam)
Additional Information		
In the Preliminary course all areas are studied equally, but in the HSC course students can choose to specialise in one or more areas (eg 70% of your HSC mark can be from performances)		
Careers relevant to this course		
Musician, recording engineer, sound mixer, music industry management, composing, teaching, film, radio, TV production, music library/shop assistant.		

Course Fee : \$20.00 per year

Contact : Music – CAPA Faculty

Music 2

2 units for each of Preliminary and HSC		Board Developed Course Category A
Prerequisites: Music Additional Study course (or equivalent) ie Years 9 & 10 elective		
Exclusions: Music 1		
Course Description Students will study the concepts of music through learning experiences in performance, composition, musicology and aural within the context of a range of styles, periods and genres.		
Main Topics Covered Students study one mandatory topic covering a range of content and one additional topic in each year of the course. In the Preliminary course the mandatory topic is Music 1600 – 1900, in the HSC course the mandatory topic is Music of the Last 25 Years (Australian focus).		
Particular Course Requirements 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 NESAs to validate authorship of the submitted work. All students will be required to develop a composition portfolio for the core composition.		
HSC Assessment		
Internal Assessment		External Assessment
<ul style="list-style-type: none"> • Performance • Composition • Musicology • Aural • Elective in either: <ul style="list-style-type: none"> – Performance – Composition – Musicology 		<ul style="list-style-type: none"> • A one and a half hour written examination paper • Core Performance (one piece reflecting the mandatory topic) • Sight singing • Core composition (reflecting mandatory topic) • Musicology/aural skills • One Elective – reflecting: <ul style="list-style-type: none"> – Additional Topic – Performance (2 pieces), or – Submitted composition, or Submitted essay
Trial Examination		
Additional Information		
<ul style="list-style-type: none"> • This course is for students who would like to study music at a tertiary level or who see their future career paths in music eg musician, composer, teacher or who have a desire to pursue and develop a more specialised musical knowledge and skill. • Up to 45% or your HSC mark can be from performances. • In addition to Music 2, talented musicians can do the extension course in performance, composition or musicology which is 1 unit. 		

Course Fee: \$10.00 per year

Contact: Music – CAPA Faculty

Personal Development Health and Physical Education

2 units for each of Preliminary and HSC		Board Developed Course Category A	
Exclusions: Nil			
Course Description The Preliminary course examines a range of areas that underpin health and physical activity. This includes how people think about health and physical activity, the management of personal health and the basis for how the body moves. Students have the opportunity to select from a range of practical options in areas such as first aid, outdoor recreation, composition and performing and fitness choices. In the HSC course students focus on major issues related to Australia's health status. They also look at factors that affect physical performance. They undertake optional study from a range of choices. This includes investigating the health of young people or of groups experiencing health inequities. In other options students focus on improved performance and safe participation by learning about advanced approaches to training or sports medicine concepts. There is also an opportunity to think critically about the factors that impact on sport and physical activity in Australian society.			
Main Topics Covered Preliminary Course Core Topics <ul style="list-style-type: none"> Better Health for Individuals The Body in Motion Optional Components Students to select two options each from <ul style="list-style-type: none"> First Aid Composition and Performance Fitness Choices Outdoor Recreation 		HSC Course Core Topics <ul style="list-style-type: none"> Health Priorities in Australia Factors Affecting Performance Optional Components Students to select two options each from <ul style="list-style-type: none"> The Health of Young People Sport and Physical Activity in Australian Society Sports Medicine Improving Performance Equity and Health 	
HSC Assessment			
Internal Assessment		External Assessment	
<ul style="list-style-type: none"> Core Options Trial Examination		A three hour written examination.	

Course Fees: \$7.00 per year

Contact: PDHPE Faculty

Physics

2 units for each of Preliminary and HSC

Board Developed Course Category A

Exclusions: Nil

Course Description

The Physics Stage 6 Syllabus involves the study of matter and its motion through space and time, along with related concepts that include energy and force. Physics deals with the study of phenomena on scales of space and time – from nuclear particles and their interactions up to the size and age of the Universe. This allows students to better understand the physical world and how it works, appreciate the uniqueness of the Universe, and participate in navigating and influencing the future.

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

Students who study physics are encouraged to use observations to develop quantitative models of real world problems and derive relationships between variables. They are required to engage in solving equations based on these models, make predictions, and analyse the interconnectedness of physical entities.

The Physics course builds on students' knowledge and skills developed in the Science Stage 5 course and help them develop a greater understanding of physics as a foundation for undertaking post-school studies in a wide range of Science, Technology, Engineering and Mathematics (STEM) fields. A knowledge and understanding of physics often provides the unifying link between interdisciplinary studies.

The study of physics provides the foundation knowledge and skills required to support participation in a range of careers. It is a discipline that utilises innovative and creative thinking to address new challenges, such as sustainability, energy efficiency and the creation of new materials.

Main Topics Covered

Preliminary Course

- Kinematics
- Dynamics
- Waves and Thermodynamics
- Electricity and Magnetism

HSC Course

Core Topics

- Advanced Mechanics
- Electromagnetism
- The Nature of Light
- From the Universe to the Atom

Particular Course Requirements

Physics is a course for students who like and perform very well in Science. To be successful in this course, students need to currently be in 10S1 or 10S2 and be capable of scoring a grade A or B in their Science Assessment.

The Preliminary and HSC course both include a depth study, which will comprise 15 hours of in-class investigation. Practical experiences should occupy a minimum of 70 indicative hours across Preliminary and HSC course time with no less than 35 hours in the HSC course.

HSC Assessment

Internal Assessment

- Research and Report
- Depth Study
- Practical Task

Trial Examination

External Assessment

A three hour written examination.

Course Fees: \$7.00 per year

Contact: Science Faculty

Science Extension

1 unit for the HSC course only

Board Developed Course Category A

Exclusions: Maximum of 7 units of Science may be studied including Science Extension

Course Description

The Science Extension Stage 6 syllabus focuses on the nature, development and processes of Science. The course requires students to engage with complex concepts and theories and to critically evaluate new ideas, discoveries, and contemporary scientific research. They are challenged to examine a scientific research question drawn from one or more of the scientific disciplines of Biology, Chemistry, Earth and Environmental Science and Physics. In doing this, students extend their knowledge of the discipline/s, conduct further analysis and authentic investigations and, uniquely for this course, produce a detailed scientific research report that reflects the standards generally required for publication in a scientific journal.

Through designing and conducting their own scientific research, initially using small data sets, students deepen and build upon their understanding of analysing and interpreting data. Students are provided with opportunities to refine and extend their skills of Working Scientifically by applying the processes to contemporary authentic scientific research, gathering and examining evidence in the form of large data set(s), modelling and critically assessing and evaluating the gathered information.

Students interrogate and refine their ideas of and about science through analysing historical cultural observations and significant scientific research within the relevant ethical frameworks and philosophical arguments of the time.

The course is designed for students who have attained a high level of achievement in one or more of the Science disciplines in Year 11 and are planning to pursue further study in Science, Technology, Engineering or Mathematics (STEM) based courses offered at the tertiary level.

Main Topics Covered

HSC Course

- The Foundations of Scientific Thinking
- The Scientific Research Proposal
- The Data, Evidence and Decisions
- The Scientific Research Report

Throughout the course students select and develop a research question and develop evidence based responses in the form of a Scientific Research Report that is supported by a Scientific Research Portfolio

Particular Course Requirements

This course is available to students who have exhibited extensive knowledge, and outstanding achievement in the study of one or more preliminary science course (Biology, Chemistry, Investigating Science, Physics or Earth and Environmental Science). It is preferable that students are studying a combination of these.

HSC Assessment

Internal Assessment

- Scientific research report
- Statistical analysis
- Literature review

External Assessment

A 2 hour online examination

Course Fees: Nil

Contact: Science Faculty

Sport Coaching VET



Education

Public Schools NSW, Ultimo Registered Training Organisation 90072

VOCATIONAL EDUCATION and TRAINING

2020 SPORT COACHING COURSE DESCRIPTIONS

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

4 Preliminary and/or HSC units in total

Board Endorsed Course Does not contribute to an ATAR

Exclusions: VET course exclusions can be checked on the NESA website at:

<http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions>

SIS20513 Certificate II in Sport Coaching Based on the Sport, Fitness and Recreation Training Package Version 2.0 (SFR 2.0)
This course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation.

Units of Competency

Core

BSBWOR202A	Organise and complete daily work activities
SISSSCO101	Develop and update knowledge of coaching practices
SISSSCO202	Coach beginner or novice participants to develop fundamental motor skills
SISSSDE201	Communicate effectively with others in a sport environment
SISXCAI102A	Assist in preparing and conducting sport and recreation sessions
SISXIND211	Develop and update sport, fitness and recreation industry knowledge
SISXWHS101	Follow work health and safety policies
HLTAID003	Provide first aid (to be delivered by an external RTO)

Electives

SISSBSB201A	Teach fundamental basketball skills
SISSSOF202	Officiate games or competitions
SISSSOF101	Develop and update officiating knowledge
SISSSPT201A	Implement sports injury prevention
SISATH201A	Teach the fundamental skills of athletics
SISSSUR201A	Teach the basic skills of surf life saving

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

Recommended Entry Requirements

Students selecting this course should be interested in sport and working in the sport, fitness and recreation industry. They should have a reasonable level of fitness, be able to play and have knowledge of a variety of sports and be able to demonstrate sports skills to junior players. Being an effective communicator, possessing motivation and having effective planning and time management skills are beneficial. There will be out of class homework, research activities and cluster based assessments for students to complete.

Examples of occupations in the sport, fitness and recreation industry:

- Sports coach or trainer
- Sports official
- Assistant coach
- Sport administration officer
- Team manager
- Sports event manager

Mandatory HSC Course Requirements

Students must complete 240 indicative hours of course work and a minimum of 35 hours of work placement. Students who do not meet these requirements will be `N` determined as required by NESA.

External Assessment There is no Higher School Certificate (HSC) examination for the Sport Coaching course.

Competency-Based Assessment

Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency.

Appeals and Complaints

Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.

Course Costs: Resources \$20.00 Consumables: \$20.00 Other: First Aid Course Approx. \$80 TBC (Delivered by an external RTO)
Refund Arrangements on a pro-rata basis Please see your VET teacher to enquire about financial assistance

A school-based traineeship is available in this course, for more information: <http://www.sbatinns.w.edu.au/>

Textiles & Design

2 units for each of Preliminary and HSC		Board Developed Course Category A
Exclusions: Nil		
Course Description Textiles and Design provides students with the opportunity to learn about design including fabric colouration, historical design, cultural design factors and contemporary designers. Students learn about fibres, yarns, fabrics, innovations and emerging textile technologies, environmental sustainability, current issues and the Australian Textile Industry. Practical experiences, experimenting and product manufacturing are integrated throughout the content areas and include the completion of textile projects. Throughout Year 12 students develop a Major Textiles Project including supporting documentation. This is a practical based course that has an emphasis on project work where students emulate an understanding of textiles through designing, planning and manufacturing. In the preliminary course students will complete two projects, and in the HSC course they will concentrate solely on their major textile project.		
Main Topics Covered		HSC Course
Preliminary Course		
<ul style="list-style-type: none"> • Design including a textile project • Properties and Performance of Textiles including a textile project • The Australian Textiles, Clothing, Footwear and Allied Industries 		<ul style="list-style-type: none"> • Design • Properties and Performance of Textiles • The Australian Textiles, Clothing, Footwear and Allied Industries • Major Textiles Project (externally marked)
Preliminary Assessment An assessment mark produced from a range of assessment tasks that includes two textile practical projects and folios.		
HSC Assessment		
Internal Assessment		External Assessment
An assessment mark submitted by the school using a range of tasks to assess skills and knowledge in the core topics studied. Trial Examination		<ul style="list-style-type: none"> • A one and a half hour written examination • Submission of a Major Textile Project
Careers relevant to this course		
<ul style="list-style-type: none"> • TAFE - Fashion Design, Printmaker, Retail Buyer, Fashion Coordinator, Patternmaker, Visual Merchandiser, Set designer, Milliner (hats) and Window Dresser. • University – Interior and spatial design, Stylist, Textile Technologist, Fashion and Textile marketing and Visual Merchandising, Business, Conservator, Secondary Teacher, Footwear and Fashion Designer. • Other careers where this course would be useful include – Graphic designer, Exhibition designer, Makeup artist, Hair stylist, Costume designer, Production designer for film or TV. 		

Course Fees: Year 11 - \$65.00
Year 12 - \$60.00

Contact: Home Economics Faculty

Visual Arts

2 units for each of Preliminary and HSC

Board Developed Course Category A

Exclusions: Nil

Course Description

Visual Arts involves students in the practices of art making, art criticism and art history. Students develop their own artworks culminating in a 'body of work' in the HSC course that reflects students' knowledge and understanding about the practice and which demonstrates their ability to resolve a conceptually strong work. Students critically investigate works, critics, historians and artists from Australia as well as those from other cultures, traditions and times.

The Preliminary course is broad, while the HSC course provides for deeper, increasingly more independent investigations.

While the course builds on Visual Arts courses in Stages 4 and 5, it also caters for students with more limited experience in Visual Arts.

Main Topics Covered

Preliminary Course

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

HSC Course

- How students may develop their own informed points of view in increasingly more independent ways using the frames
- How students may develop their own practice of art making, art criticism, and art history applied to selected areas of interest
- How students may learn about the relationships between artist, artwork, world, audience within the art world
- How students may further develop meaning and focus in their work.

Particular Course Requirements

Preliminary Course

- artworks in at least 2 forms and use of a process diary (2D and 3D or 4D)
- a broad investigation of ideas in art criticism and art history

HSC Course

- development of a body of work and use of a process diary
- a minimum of 5 Case Studies
- deeper and more complex investigations of ideas in art criticism and art history.

HSC Assessment

Internal Assessment

- Development of the body of work (Practical)
- Art criticism and art history.

External Assessment

- An hour and a half written paper
- Submission of a body of work (Practical)

Trial Examination

Careers relevant to this course

Graphic design, interior design, industrial design, architecture, urban planning, illustration, layout design, animation, ceramic design, fashion design, teaching, printing industries, film and video, desk top publishing.

Course Fees: Year 11 - \$60.00
Year 12 - \$70.00

Contact: Visual Arts – CAPA Faculty

Additional cost: Extra material used on major works if applicable.

Content or Board Endorsed Courses

Counts towards an ATAR on completion of HSC examination

English Studies

<p>2 units for each of Preliminary and HSC Board Developed Course – Counts towards an HSC and may count towards an ATAR Exclusions: English Advanced, English Standard, English Extension 1, English Extension 2, ESL</p>	
<p>Students must seek approval from Head Teacher English to attempt this course. It is suitable for those students who find English difficult. Notes: Students studying English Studies may elect to undertake an optional HSC examination. Should a student seek an Australian Tertiary Admission Rank (ATAR), the examination mark will be used by the Universities Admissions Centre (UAC) to calculate the ATAR. Students who do not sit for the English Studies HSC examination are not eligible for the calculation of an ATAR. NESA have included a Common Module and will offer an exam with common content. These are all the requirements UAC expect for a course to be included in an ATAR calculation. English Studies, under the new syllabus, meets all of UAC's requirements to be included in an ATAR calculation. It is crucial to focus on the core information that Year 10 students with university aspirations need. Advanced, Standard and EAL/D are university preparation courses. The optional exam in English Studies will meet the needs of a very limited number of students. English Studies is more appropriate as a work and TAFE readiness course. Please be advised that the Head Teacher - English will speak to all of those students for whom this course has been designed. The Standard English course is significantly more difficult. This course is designed to support students in developing proficiency in English to enhance their personal, social and vocational lives. The course provides students who do not wish to attend university the opportunity to become more confident and effective communicators.</p>	
<p>Course Description English Studies is designed for students who wish to refine their skills and knowledge in English and consolidate their English literacy skills to enhance their personal, social, educational and vocational lives. It is a course for students who wish to be awarded a Higher School Certificate but who are seeking an alternative to the English Standard course.</p>	
<p>Course Requirements In both Year 11 and Year 12 students are required to:</p> <ul style="list-style-type: none"> • read, view, listen to and compose a wide range of texts including print and multimodal texts • study at least one substantial print text (for example a novel, biography or drama) • study at least one substantial multimodal text (for example film or a television series) <p>In Year 12 students will also be required to study one text from the prescribed text list and one related text for the Common Module - Texts and Human Experiences.</p>	
<p>Main Topics Covered Preliminary Course The course has two sections: 1. Mandatory Module Achieving in English – English in Education, Work and Community 2. Modules - 2-4 modules to be studied Modules include:</p> <ul style="list-style-type: none"> • We are Australians • English in citizenship • community and cultural identity • On the road: English and the experience of travel • Digital Worlds: English and the Web • Playing the Game: English in sport 	<p>HSC Course The course has two sections: 1. Common Module Texts and Human Experiences Students deepen their understanding of how texts represent individual and collective human experiences. 3. Modules - 2-4 modules to be studied Selected from the Preliminary modules list. No module is to be repeated in Year 12.</p>
<p>Preliminary Assessment The Year 11 school-based assessment includes three assessment tasks consisting of a collection of classwork, a multimodal task and an examination.</p>	
<p>HSC Assessment Internal Assessment</p> <ul style="list-style-type: none"> • a maximum of four assessment tasks • only one task may be a formal written examination • one task must be a collection of classwork demonstrating student learning across the modules studied • assessment of the Common Module must integrate teacher or student selected related material. <p>Trial Examination</p>	<p>External Assessment</p> <p>Students studying English Studies may elect to undertake an optional HSC examination which will be a two hour 30 minutes written examination consisting of four sections.</p> <p>Should a student seek an Australian Tertiary Admission Rank (ATAR), the examination mark will be used by the Universities Admissions Centre (UAC) to calculate the ATAR. Students who do not sit for the English Studies HSC examination are not eligible for the calculation of an ATAR</p>

Course Fees: \$7.00 per year

Contact: English Faculty

Exploring Early Childhood

2 units for each of Preliminary and HSC

Content Endorsed Course - Counts towards an HSC but not towards an ATAR

Exclusions: Nil

Course Description

Exploring Early Childhood aims to develop understanding, skills and strategies to enable students to support and foster positive growth and development in the young children with whom they interact through the provision of safe, nurturing and challenging environments. Our society is increasingly recognising children's experiences in the early childhood years as the foundation for future growth, development and learning. The study of this course will enable students to:

- develop an awareness and understanding of the growth, development and learning of young children and the importance of the early childhood years
- recognise the uniqueness of all children, including those who have special needs
- become aware of the value of play in the lives of children, and consider means of providing safe and challenging environments for play
- identify the range of services developed and provided for young children and their families
- consider the role of family and community in the growth, development and learning of young children
- reflect upon potential implications for themselves as adults, in relation to young children
- understand and appreciate the diversity of cultures within Australia and the ways in which this influences children and families
- become aware of the work opportunities available in the area of children's services.

Main Topics Covered:

Preliminary Course

Core studies

- Part A: Pregnancy and
- Part B: Child Growth and development
- Part C: Promoting Positive Behaviour

Modules Preliminary and HSC Courses

Modules will make up the remainder of course time and can be chosen based on student interests. Examples include learning experiences for Young Children, Play and the Developing Child, Children's Literature and Young Children with Special Needs.

Preliminary Assessment

A school based assessment mark using a range of tasks to assess skills and knowledge in the topics studied.

HSC Assessment

Internal Assessment

- A combination of research and in class tasks

Trial Examination

External Assessment

There is no external examination.

Careers relevant to this course

- TAFE - Child care worker, counselling and social work, family day care, before & after school care co coordinator, nanny, community worker and teacher's aide.
- University – Early childhood, primary or secondary teacher, special education needs teacher, education consultant, family support worker, play specialist, occupational therapist, youth worker, psychology, social work, director of child care centre
- Other careers where this course would be useful include – police, paramedics, nursing, speech and language therapist, educational psychologist, child psychotherapist.

Course Fee: \$30.00 per year

Contact: Home Economics Faculty

Marine Studies

2 units for each of Preliminary and HSC

Content Endorsed Course - Counts towards an HSC but not towards an ATAR

Exclusions: Nil

Course Description

Marine Studies provides an opportunity for the future custodians of the marine environment to study it and to appreciate its value. It gives them the opportunity to develop the necessary knowledge and skills to use and protect its unique ecosystems, and at the same time communicate their appreciation to the community. It provides an opportunity to instil in students an acceptable ethical code towards use of the marine environment, increasingly demanded by the community and their governments. While this course is focused on oceans, it provides scope for the study of the full range of waterways.

Marine Studies provides an educational context, linked to the needs of a population based very much on its coast and waterways and which fosters links to tertiary study and vocational pathways. Further, this syllabus brings a wide range of marine-based leisure experiences to students in a safe setting. Marine Studies provides for both practical and theoretical learning, honing students' acquired skills to solve real life problems.

Main Topics Covered

All students study a core section involving the following topics:

- Marine Safety and First Aid
- The Marine Environment
- Life in the Sea
- Humans in Water
- Marine and Maritime Employment

In addition, students study optional modules which could include:

- Coastal studies
- Oceanography
- Coral Reef Ecology
- Seafood Handling/Processing
- Marine Archaeology
- Boating and Seamanship
- Anatomy and Physiology of Marine Organisms
- Local Area Study
- Personal Interest Project

Particular Course Requirements

Students will be required to do 120 hours of study in each of the Preliminary and HSC courses and study a core plus 7-8 optional modules.

HSC Assessment

Internal Assessment

Methods of assessment include:

- tests
- oral presentations
- assignments
- practical work

Trial examination

External Assessment

There is no external examination.

Course Fees: \$50.00 per year

Contact: Science Faculty

Photography, Video and Digital Imaging

2 units for each of Preliminary and HSC

Content Endorsed Course: Counts towards an HSC but not towards an ATAR

Exclusions: Nil

Course Description

The Photography, Video and Digital Imaging course offers students the opportunity to explore contemporary artistic practice that make use of photography, video and digital imaging.

The course offers opportunities for the students to investigate one or more of these fields and to develop understanding and skills that contribute to an informed critical practice.

This course also offers opportunities for students to investigate the pathways in the Visual Arts and Design, Television, Film, Video, Mass Media and Multimedia.

The Photography, Video and Digital Imaging course provides an appropriate foundation for a range of post school study at University or TAFE, or vocational training in the context of the workplace.

Main Topics Covered

The subject content in this course addresses traditional aspects of the field of **Wet Photography** and offers students' opportunities to explore more contemporary developments in this field and in the fields of Video and Digital Imaging, still and moving.

Students will develop knowledge, skills and understanding, through the making of photographs, and/or videos and/or digital images that lead to and demonstrate conceptual and technical accomplishments.

Students will develop knowledge, skills and understanding that lead to increasingly accomplished critical and historical investigations of photography and/or video and/or digital imaging.

HSC Assessment

Internal Assessment

- Student diary and portfolio making
- Critical and historical studies

Trial Examination

External Assessment

There is no external examination.

Careers relevant to this course

Photographer, Director of Photography, Graphic Design, Industrial Design, Animation, Fashion Design, Teaching, Printing Industries, Film and Video, Film and Television Camera Operator, Film and Television Editor, Cinematographer.

Course Fee: \$60.00 per year

Contact: Visual Arts – CAPA Faculty

Sport, Lifestyle and Recreation

2 units for each of Preliminary and HSC

Content Endorsed Course: Counts towards an HSC but not towards an ATAR

Exclusions: Nil

Course Description

The Content Endorsed course structure enables the selection of modules that recognise and build on students' knowledge, understanding and skills developed in the Year 7-10 PDHPE course. It focuses on those aspects of the learning area that relate most closely to participation in sport and physical activity. The course features a highly practical focus.

This course caters for a wide range of student needs. It can assist students in developing:

- Levels of performance skill in particular sports
- Skills to adopt administrative roles in community sport and recreation
- Skills for coaching, training, first aid, refereeing, fitness leading

This course provides a sound platform for further study and may offer some credit transfer opportunities into TAFE. The Sport and Recreation industry is a major growth industry and in this course students will gain an understanding and appreciation of the vocational possibilities in this area.

Main Topics Covered

The modules of Sport, Lifestyle and Recreation are:

- | | |
|--|--|
| <ul style="list-style-type: none"> • Aquatics • Athletics • Dance • First Aid • Fitness • Games and Sports Applications (Individual and Team - 3 modules of study) | <ul style="list-style-type: none"> • Gymnastics • Healthy Lifestyles • Outdoor Recreation • Social Perspectives of Games and Sports • Sports Administration |
|--|--|

Particular Course Requirements:

Students will be required to do 120 hours of study in each of the Preliminary and HSC courses and study between 6-12 modules.

HSC Assessment

Internal Assessment

- A combination of research and practical tasks

Trial Examination

External Assessment.

There is no external examination.

Course Fees: \$10.00 per year

Contact: PDHPE Faculty

Vocational Education and Training (VET) Courses - Board Developed or Board Endorsed

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

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

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

Board Developed VET courses are classified as Category B subjects and ONLY ONE may contribute to the calculation of the Australian Tertiary Admission Rank (ATAR). These courses have an optional HSC examination. Students wishing to include a VET course in the ATAR calculation must sit the HSC examination.

Board Developed VET courses have specified workplace requirement and include industry specific mandatory work placement (70 hours) or simulated workplace hours at school as specified by NESA.

Board Endorsed VET Courses do count towards the HSC or RoSA but do not have HSC examinations therefore can't count in the calculations of the ATAR. Board Endorsed VET Courses have mandatory or recommended industry specific work placement.

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

Competency-based assessment materials are designed to ensure each learner has achieved all the outcomes (skills and knowledge) to the level of the qualification. Competency-based training is based on performance standards that have been set by industry.

Students will receive documentation showing the competencies achieved for the VET course undertaken.

Due to the specific requirements of a VET course it is recommended students speak to the VET Coordinator or Careers Adviser before choosing the course to ensure they are fully aware of the requirements.

VET Category B Courses

Universities categorise Board Developed Courses as either Category A or Category B. No more than 2 units of Category B courses can be included in the calculation of your ATAR. The following examples of Board Developed Category B courses all have a final examination:

- Automotive
- Construction*
- Hospitality*
- Human Services
- Metal and Engineering*
- Retail Services
- Sport Coaching*
- Tourism and Events (Event Coordination)

Courses marked *may be studied within Heathcote High School.

Internally Delivered Courses at Heathcote High School

Vocational Education and Training (VET) courses prepare students for the workforce by providing industry recognised skills in a range of industry trade areas. The following Board Developed VET courses are offered and can be delivered at Heathcote High School for the Higher School Certificate program:

CPC20211 Certificate II in Construction Pathways

SIT20416 Certificate II in Kitchen Operations
MEM10105 Certificate I in Engineering
SIS20513 Certificate II in Sport Coaching

VET courses include mandatory work placement and involve competency-based assessment of skills and knowledge. The courses also include a HSC examination for those students who wish to gain an ATAR for university entrance. The courses are delivered by appropriately qualified and trained teachers and require students to have access to industry standard equipment and resources.

The VET courses count towards a HSC program of study, and lead to a nationally recognised qualification. These qualifications are recognised by industry and by other registered training organisations.

Australian Qualifications Framework (AQF)

The Australian Qualification Framework (AQF) covers qualifications issued by secondary schools, vocational education and training (VET) providers and higher education institutions. All qualifications are nationally recognised. Within the framework, there are six vocational education and training qualifications available: Certificates I, II, III and IV; Diploma; Advanced Diploma; Vocational Graduate Certificate and Vocational Graduate Diploma.

Training Packages specify the combination of competency standards required to achieve a particular qualification. Learners who complete some, but not all, standards for a qualification are awarded a statement of attainment. When they are assessed as competent in the remaining standards, they get the qualification.

Student Work Placement

Work placement is a mandatory HSC requirement within the VET frameworks and appropriate hours have been assigned to each course. Learning in the workplace enables students to:

- progress towards the achievement of industry competencies;
- develop appropriate attitudes towards work;
- learn a range of behaviours appropriate to the industry;
- practise skills acquired in the classroom or workshop;
- develop additional skills and knowledge, including the key competencies.

Competency-based assessment

The courses within the VET frameworks are competency-based courses. The purpose of assessment is to judge competence on the basis of performance against the performance criteria set out under each element of competency.

A participant is judged either 'competent' or 'not yet competent'. This judgment is made on the basis of a range of evidence. Assessment of competence involves the assessment of skills and knowledge combined.

Externally Delivered Courses (EVET)

TAFE-delivered VET courses offer the following:

- contribute to your HSC and enable you to gain specific career skills
- will be recorded on your Year 11 Record of Achievement and, if you completed the course in Year 12, your HSC Record of Achievement
- you will receive TAFE accreditation for subjects successfully completed
- you will have a broader choice of study options
- choice of a wide range of subjects that can fast track your entry into the career of your choice
- improved opportunities for employment
- you will also be entitled to subject exemptions in higher levels of study in TAFE. This means you won't have to repeat any subject you successfully completed during your EVET course
- you will experience learning in an adult environment
- you will have access to a wide range of specialist equipment and facilities at TAFE

Most EVET courses are non-ATAR courses except:

Automotive	Business Services	Construction
Electro Technology	Entertainment Industry	Financial Services
Information Technology	Metal and Engineering	Primary Industries
Retail	Hospitality	Tourism

Students from all high schools are eligible to apply.

Classes are usually held on Tuesday afternoons from 1.30pm to 5.30pm.

Classes only run if there are sufficient suitable students as deemed by TAFE.

An application form must be completed for a EVET course and given to Mrs Trajkovski (Careers Adviser). For further information go to <https://tafensw.edu.au>

Applications for EVET courses close on: To be advised

School-Based Apprenticeships and Traineeships (SBA&T)

A school-based traineeship or apprenticeship combines paid work, training and school. Students spend a minimum of one day a week on-the-job (can be a school day, a Saturday, evening shifts, etc) with an employer, with some block periods at work in the holidays as well. For the rest of the week, students complete their off-the-job vocational qualification and their other HSC subjects.

At Heathcote High School, applications for SBA&Ts are supported on an individual basis.

What's the difference between a school-based traineeships and school-based apprenticeships?

Traineeships are completed at the end of Year 12; apprenticeships continue post school. Apprenticeships are usually in trade areas such as automotive, construction, electro technology, hospitality, metal and engineering. Traineeships are available in a range of industries including business administration (Business Services), retail, printing, nursing, transport and logistics, out of school hours care, to name a few of the 62 available.

What are the benefits?

- Combine your HSC with vocational training within a supportive school environment
- Gain valuable work skills and experience
- Earn while you learn
- Obtain nationally recognised skills to work in industry areas with strong career prospects
- Gain credit towards further study
- Get a head start in the career
- Potentially earn higher wages post school
- Access a pathway to further studies

This is a great opportunity to contribute to the workforce of the future. If you'd like to find out more:

check out www.sbatinnsw.info;

or

phone (02) 9582 2816 for more information

Please note: To become a school-based trainee or apprentice you need to have the appropriate job.

Career Planning

Are you a student who ...	Then you should ...
<ul style="list-style-type: none"> • wants to go to university • needs university training for your chosen career • wants to maximise your ATAR • knows you can do it if you work hard • wants mainly academic subjects 	<ul style="list-style-type: none"> • select a program of study which makes you eligible for an ATAR • select subjects recommended for your university course • do extra-curricular activities to support scholarship applications • apply for university in Term 3 of Year 12 • select subjects and levels which will maximise your ATAR
Are you a student who ...	Then you should ...
<ul style="list-style-type: none"> • wants to gain post HSC qualifications • wants to go onto further education or training • knows you may have the ability to go to university but is not sure you want to • wants to keep all your options open • wants to also consider TAFE or private providers 	<ul style="list-style-type: none"> • select a program of study which makes you eligible for an ATAR • apply for university, TAFE and private training providers in Term 3 of Year 12 • select subjects which are recommended for your tertiary training
Are you a student who ...	Then you should ...
<ul style="list-style-type: none"> • wants to get a good HSC • wants to get a job with a career path and good money • wants TAFE or work-based training • wants a head start on vocational training with a national credential • wants a mix of interest and vocational subjects • knows you don't want to go to uni 	<ul style="list-style-type: none"> • select subjects which are recommended in your career path • include some Maths, vocational subjects attracting dual credentialing (VET and/or TAFE), some interest subjects • apply for TAFE and private training providers in Term 3 Year 12 • apply for traineeships and apprenticeships
Are you a student who ...	Then you should ...
<ul style="list-style-type: none"> • doesn't know what type of career you want • doesn't know what you want to do after the HSC • knows a good HSC is the key to a better future • wants a mix of subjects you like and are good at • knows you don't want to go to uni 	<ul style="list-style-type: none"> • select subjects you like, have an interest in and are good at • include vocational subjects attracting dual credentialing, some TAFE courses, interest subjects • keep your options open • actively participate in transition, career and exit planning

University Entry Requirements

The following information is provided to assist Year 10 students to choose HSC subjects. The University Admission Centre publishes a booklet titled '*University Entry Requirements for Year 10 Students*' which can be downloaded free of charge from the UAC's website www.uac.edu.au.

The University of Sydney has introduced a Mathematics Advanced prerequisite (not Mathematics Standard) for many of their courses in order to meet requirements for admission. Many other universities may follow this lead. The change will impact a range of courses including, but not limited to, Economics, Commerce, Engineering, Information Technology, Psychology, Pharmacy, Vet Science and Science.

Please refer to individual course guides available online from universities for more detailed information. The information outlined below is a guide only.

Architecture / Building / Design & Planning

Students intending to undertake courses in these areas are advised to study two or more units of mathematics (not General Mathematics). A general background in science, particularly Physics, may be helpful but is not essential. Visual Arts or Industrial Technology may also be useful.

Arts / Humanities

Degree programs in arts and liberal studies do not usually require a particular program of study at secondary school. The study of English is required by some institutions and recommended for all students in this field – check the institution entries for details. If you wish to study a language other than English as your major subject, however, you are advised to include the language of your choice in your HSC program although in many cases you will be able to take introductory language courses that do not require prior study.

Business/Commerce/Economics/Marketing/Management

Courses in accounting, banking, econometrics, economics, finance, management and marketing may require at least two units of mathematics (not General Mathematics) as either a pre-requisite or assumed knowledge.

HSC Economics or Business Studies are considered a useful, but not essential, preparation for courses in these areas.

Students wishing to undertake actuarial studies at tertiary level generally require HSC Mathematics Extension 1 or HSC Mathematics Extension 2 as a pre-requisite.

Communications / Media Studies

Most of these courses do not require a particular course of study at secondary school. Some institutions recommend the study of English in preparation for communication and media courses – check the institution entries for details. In addition to the ATAR, some institutions may require you to complete a questionnaire and/or attend an interview.

Creative and Performing Arts

Students intending to undertake studies in these areas are advised to gain experience outside the school environment. Entry to most of these courses requires an audition, interview or portfolio (or a combination of these) as well as a suitable ATAR. The study of Visual Arts, Dance, Drama, Music 1, Music 2 or HSC Music Extension may be helpful for courses in creative and performing arts. Some institutions will base selection to a creative arts course on the marks obtained in the HSC. Special admission procedures may be available if you are unable to include suitable subjects in your HSC program.

Earth and Environmental Sciences

Most courses do not require a particular program of study. Most institutions, however, recommend a background in science subjects such as Chemistry, Mathematics (not General Mathematics) and Physics or Biology.

Education / Teaching

In some institutions, courses in education may be taken in arts, science or other programs. Some institutions also offer separate teacher education programs in early childhood, primary and secondary education. Students who wish to qualify as a secondary teacher must also fulfil the entry requirements for study in their proposed area of teaching specialisation.

For intending early childhood or primary teachers, some institutions assume or require satisfactory levels of Mathematics and/or English.

Engineering

Most institutions recommend at least HSC Mathematics Extension 1 for the study of all branches of engineering. Physics and Chemistry are also recommended. Engineering Studies is considered a useful but not essential preparation for engineering.

Health Sciences (includes studies not listed under Medical Sciences)

If you intend to study health science you are generally advised to include in your HSC study program at least two units of mathematics (not General Mathematics) and two units of science – preferably Chemistry, or, for medical imaging and medical radiation technology, Physics.

Human Movement / Sport Sciences / Physical Education

Most courses in these areas do not require a particular program of study at secondary school. A background in science subjects (Physics, Chemistry and Biology) and Mathematics (not General Mathematics) is recommended by some institutions. Personal Development, Health and Physical Education is also considered useful.

Some institutions require you to provide additional information relating to your sporting achievements.

Information Technology

Studies in this area usually require either Mathematics or HSC Mathematics Extension 1 (not General Mathematics) as a pre-requisite or assumed knowledge. Computer Science is generally taught on the assumption that students have studied HSC Mathematics Extension 1.

Law

Generally, legal courses do not specify pre-requisites or levels of assumed knowledge. If you are contemplating a law program combined with Arts, Business, Commerce, Economics, Engineering, Science, Social Sciences or Social Welfare, check that the subjects you choose comply with the requirements for those courses.

Medical Sciences (including medicine, optometry, pharmacy and veterinary science)

Students intending to take up studies in these areas are advised to include at least two units of mathematics (not General Mathematics), Chemistry and either Physics or Biology in their HSC program.

Some institutions prefer the combination of Chemistry and Physics while others may have no preference provided Mathematics and Chemistry are included.

Nursing

Students intending to undertake nursing studies are generally advised to include at least two units of studies in science, preferably Chemistry and/or Biology and/or Physics. Most institutions also recommend at least 2 units of mathematics

Science / Applied Science / Technology

Most courses in applied science are three-year or four-year professional courses which involve the study of Mathematics, Chemistry, Physics and either Biology or Geology in first year. HSC Mathematics Extension 1 is assumed knowledge for courses in technologies such as textiles and metallurgy. Mathematics is acceptable in areas such as food technology, and agricultural and rural sciences. Most science courses require students to have studied as much science and mathematics (not General Mathematics) as they can effectively handle. If possible, include both Chemistry and Physics in your HSC program.

Social Sciences

Social Sciences may include the study of Economics, Education, Geography, Law, Psychology and Sociology. Mathematics (not General Mathematics) may be required for some subjects.

Social Work / Welfare Work

Most courses in these areas do not require a particular program of study at secondary school although a minimum score in English may be required by some institutions. If psychology is included as part of the course, then Mathematics (not General Mathematics) is strongly recommended.

Tourism / Hospitality Management

Most courses in these areas do not require a particular program of study at secondary school although some economics may be useful. Some courses also require a minimum level of English. Some institutions require work experience in customer services as a pre-requisite.

Course Details

Course	Faculty	Head Teacher	Notes	Units
Ancient History	HSIE	Mr Barnes		2
Biology	Science	Mr Stolk		2
Business Studies	HSIE	Mr Barnes		2
Chemistry	Science	Mr Stolk		2
Community & Family Studies	Home Ec	Mrs Mullins		2
Construction – VET course	IA	Mr McLean	B	2
Design & Technology	IA	Mr McLean		2
Drama	English	Mrs Gurr		2
Earth and Environmental Science	Science	Mr Stolk		2
Economics	HSIE	Mr Barnes		2
Engineering Studies	IA	Mr McLean		2
English Standard	English	Mrs Gurr		2
English Studies	English	Mrs Gurr	B	2
English Advanced	English	Mrs Gurr		2
English Extension	English	Mrs Gurr		1
Exploring Early Childhood	HomeEc	Mrs Mullins	NATAR /NBD	2
Food Technology	HomeEc	Mrs Mullins		2
French Beginners	Language	Mrs Savic		2
Geography	HSIE	Mr Barnes		2
Hospitality - VET course	HomeEc	Mrs Mullins	B	2
Indonesian Beginners	Language	Mrs Savic		2
Industrial Technology Graphics OR Timber Products and Furnishings	IA	Mr McLean		2
Legal Studies	HSIE	Mr Barnes		2
Marine Studies	Science	Mr Stolk	NBD NATAR	2
Mathematics Preliminary Standard	Maths	Mrs Kemp		2
Mathematics HSC Standard 1	Maths	Mrs Kemp	B	2
OR HSC Standard 2	Maths	Mrs Kemp		2
Mathematics Advanced	Maths	Mrs Kemp		2
Mathematics Preliminary Extension (Mathematics HSC Extension 1)	Maths	Mrs Kemp		1
Metal & Engineering - VET course	IA	Mr McLean	B	2
Modern History	HSIE	Mr Barnes		2
Music 1 OR	Music	Mrs Savic		2
Music 2				
Personal Development Health and Physical Education	PDHPE	Mr Holmes		2
Photography, Video and Digital Media (Art)	VA	Mrs Savic	NATAR	2
Physics	Science	Mr Stolk		2
Science Extension	Science	Mr Stolk		1
Sport Coaching - VET course	PDHPE	Mr Holmes	B	2
Sport, Lifestyle & Recreation	PDHPE	Mr Holmes	NATAR /NBD	2
Textiles and Design	HomeEc	Mrs Mullins		2
Visual Arts	VA	Mrs Savic		2

Notes Key: **NBD** Non Board Developed Course **B** Category B **NATAR** Non ATAR

This booklet will be available on the school website <https://heathcote-h.schools.nsw.gov.au>