



MACQUARIE FIELDS HIGH SCHOOL



DECISION TIME

**The Higher School Certificate
Year 10 2025 into Year 11 2026**

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FOREWORD

This information booklet has been prepared by staff at Macquarie Fields High School to assist students with subject selection and help them understand the Higher School Certificate.

The HSC was re-developed and first examined in 2001. It is now based on assessing student performance within a standards framework. The strength of the HSC is that it:

- fairly assesses students' knowledge and skills;
- links courses to further education and training;
- enables students to undertake more in-depth study in areas of special interest through Extension courses;
- leads to qualifications recognised nationally through Vocational Education and Training courses which will also count towards the HSC; and
- provides easy-to-understand reports which contain much more information showing what students have demonstrated they know, understand and can do in each course.

This handbook provides outlines of the courses available for Year 11 students in 2025. However it is not the only source of information. Students are encouraged to talk with teachers and curriculum Head Teachers to weigh up options and consider alternatives. This thoughtful decision making is the only way to ensure that students and parents prepare well for the two years ahead.

A parent information night and a subject selection interview are other essential ingredients in a series of steps which students will take to make wise choices. Staff members have offered time and expertise to guarantee that students have all the information necessary to make the best and most appropriate decisions.

These measures will help to ensure that every student will qualify for a Higher School Certificate and, where one is required, an **Australian Tertiary Admission Rank (ATAR)**.

IMPORTANT DATES

Term 3 Week 2 - YEAR 10 PARENT AND STUDENT INFORMATION EVENING Year 10 into 11 Parent information evening – 28 th July 2025.
Term 3 Week 3 - YEAR 10 SUBJECT SELECTION INTERVIEWS Students interviewed by Careers Adviser and team. Draft forms are collected for review.
Term 3 Week 5 - Students will be provided with information for online choices. Subject selection will be online.

MEETING HSC ELIGIBILITY REQUIREMENTS

Know the eligibility basics

To be eligible for the HSC, you must:

- satisfactorily complete Years 9 and 10 or gain other qualifications that satisfy **NSW Education Standards Authority (NESA)**
- attend a government school, an accredited non-government school, a NESA recognised school outside NSW, or a TAFE college
- complete HSC: All My Own Work (or its equivalent) before you submit any work for Preliminary or HSC courses, unless you are only entered for Year 11 and Year 12 Life Skills courses
- satisfactorily meet the HSC Minimum Standards in literacy and numeracy. Please see HSC Minimum Standards information for parents and carers or further information is also available at <https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/hsc/hsc-minimum-standard>
- satisfactorily complete courses in the patterns of study detailed below
- sit for and make a serious attempt at the required HSC examinations.

Certain patterns of study and course requirements apply

You must satisfactorily complete:

- a Preliminary pattern of study that includes at least 12 units
- an HSC pattern of study that includes at least 10 units.

Both patterns of study must include at least:

- 6 units of NESA Developed Courses
- 2 units of a NESA Developed Course in English, or English Studies
- 3 courses of 2 or more units (either NESA Developed or NESA Endorsed Courses)
- 4 subjects.

There are also specific eligibility rules for some Languages courses, such as Beginners and Heritage, to ensure your course is at the appropriate level for your experience. There is also eligibility requirements for the EALD English course.

Enrolling in a course that you are not eligible for could put your HSC at risk, so carefully check your eligibility for all courses you are entered for. You can find out more about [eligibility, rules and prerequisites](https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/stage-6-languages/eligibility) on our website at:

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

TYPES OF HSC COURSES

NESA Developed courses are the large number of courses set and examined by NSW Education Standards that also contribute to the calculation of the ATAR. View a list of all [NESA Developed Courses broken down by subject](https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/Understanding-the-curriculum/syllabuses-a-z), as well as individual [course descriptions](https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/Understanding-the-curriculum/syllabuses-a-z) at: <https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/Understanding-the-curriculum/syllabuses-a-z> .

From 2025, there will be no distinction between Category A and Category B courses.

To be eligible for an ATAR in NSW, you must satisfactorily complete at least 10 units of HSC courses. These courses must include at least:

- 10 units of Board Developed courses
- 2 units of English
- three Board Developed courses of 2 units or greater
- four subject areas.

Your ATAR is then calculated from your:

- best 2 units of English
- best 8 units from your remaining units.

<https://www.uac.edu.au/future-applicants/atar/atar-eligibility>

NESA Endorsed courses are developed by schools, TAFE and universities. They count towards your HSC but do not have an HSC examination and do not contribute towards the calculation of your ATAR.

Special Education (Life Skills) - If you have Special Education needs you can attain your HSC by studying Life Skills courses. There are specific entry requirements for the Life Skills courses and you still need to meet the general eligibility and study patterns to earn your HSC. You will need to talk with your Year Adviser or Careers Adviser to find out whether these courses are suitable for you. Life Skills courses do not count towards the ATAR.

Vocational Education and Training (VET) - VET courses can be studied either at school or through TAFE NSW and other training providers. You will need to check with your school about which courses are available and the requirements of the different courses. For example, all VET courses involve a minimum number of hours in the work place.

VET courses contribute towards your HSC and **Australian Qualifications Framework (AQF)** VET credentials, recognised by industry and employers throughout Australia. Some of the NESA Developed VET courses have an optional HSC examination so, if you choose to sit the examination, your results can also count towards your ATAR.

UNDERSTANDING HSC PATHWAYS

While most students complete their HSC over two years during Years 11 and 12, there are other options. If you want to study while you work, care for your family or, for example, take part in elite sports or cultural activities, one of these five pathways may be suitable for you.

Pathway	Description
1. Accumulating	You can take up to five consecutive years to finish your studies, starting from the first year you complete an HSC course. After five years, you must have met all HSC requirements.
2. Repeating	You can repeat one or more courses within the five years (see pathway 1) without penalty. Your Record of Achievement will show the results of all attempts. The Universities Admissions Centre (UAC) will calculate your Australian Tertiary Admission Rank (ATAR) from the results of your most recent attempt.
3. Transferring credit and recognition of prior learning (RPL)	<p>You may be able to count courses you did at TAFE or other educational institutions towards your HSC as 'credit transfer'.</p> <p>Or, you may not need to complete some course components if you can show that you have met the necessary outcomes in another way, such as through interstate study, as 'RPL'. This may apply to a Preliminary course, part of a Preliminary course or part of an HSC course.</p>
4. Accelerating	You may be able to accelerate in a course, sit for the HSC examination for that course (usually at the end of Year 11) and accumulate your results.
5. Studying during an apprenticeship or traineeship	<p>You can complete a school-based apprenticeship or traineeship while you study. These combine paid work and training, lead to a recognised Vocational Education and Training (VET) credential and count towards your HSC.</p>

HSC – UNIVERSITY PATHWAYS

If you have achieved high-level results at school you can apply to undertake university studies while you are studying for the HSC. For students from Year 11 onwards. Macquarie University and the University of New England offer HSC-University Pathways programs. For further details about the program and the application process, contact the university directly.

Useful links

- [Education and Training - State Training Services](#)
- [Careers Advisory Service](#)
- [Universities Admissions Centre](#)
- [My Future - Occupations](#)
- [TAFE NSW](#)
- [Australian Job Search](#)

(Source: <http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/hsc/subject-selection>)

HSC – TAFE PATHWAYS

In Year 11 and 12, students have the option of doing one of their subjects via Tafe. These subjects are known as Tafe Vocational Education and Training (Tvet) and take place in a 4 hour block, one afternoon per week. There are a wide variety of Tvet subjects to choose from, including some that will count towards the ATAR. Tvet subjects not only offer the student 2 units towards the HSC but also an official Certificate II or III Tafe qualification that can be used for employment opportunities and credit towards future Tafe study. For further information on courses to choose from and application details, please speak with the Careers Adviser.

GETTING STARTED

Reflect on who you are and who you want to be

- ◆ Know your personality – are you a ‘people-person’, a team worker, a leader or are you a follower? Do you enjoy solving problems? Are you friendly, confident, outgoing OR quiet, shy and not very skilful in social situations?
- ◆ Know your talents – be honest and self-critical about your artistic, musical, design, technical, manual and athletic skills.

Reflect on study habits

- ◆ Know your motivation and study habits – are you working near capacity or ‘cruising’ and doing the minimum?

Set Achievable Goals

- ◆ Set a long-term goal – where do you want to be in 10 years time? Set a short-term goal and find out if you need an ATAR to achieve your career ambitions?

What do universities expect?

- ◆ What is the range of ATAR scores required at different universities to study the courses you are interested in? Do you need to improve your motivation and/or study skills?

Learn how to compromise and be flexible

- ◆ University or TAFE work loads and the level of difficulty may be vastly different from what you are used to. The course you choose may not be what you expected, or wanted, to do. Will you be able to cope?
- ◆ Compromise does NOT mean giving up before you have reached your goal; it means adjusting realistically to new circumstances and altering your short-term goals.

Know your options

- ◆ Familiarise yourself with as many jobs, professions and trades as possible including ones with confusing or complicated names.
- ◆ Broaden your focus to include double degrees, link business skills with others knowledge, and **research equivalent TAFE and university qualifications.**

Know the terminology

- ◆ Don't assume anything – if you don't understand tertiary courses, traineeships, apprenticeships, casual employment – make sure you find out!
- ◆ TAFE may offer alternatives to university. TAFE courses are skills-based whilst university courses develop critical-thinking and problem-solving ability
- ◆ Private providers offer intensive, well regarded courses which usually involve job placement. They may, however, have a high cost.
- ◆ At our school, studying a combination of VET courses and ATAR HSC courses provides valuable credentials for employment and provide necessary personal development and work related skills.
- ◆ Be ready for a highly competitive job market. Be realistic about the available work opportunities – 3,4,5 or 6 years of study is a major investment.

Be Prepared for Employment

- ◆ Your priority is to maximise your HSC results, but don't lose sight of your long term dreams.

Careers Adviser / Transition Adviser

- ◆ Use the resources that are available to you in the Transition Hub at school.

NOTE: All the reference material used or referred to in this booklet is available from the Careers Adviser or Transition Adviser.

PLEASE USE IT.

CHOOSING SUBJECTS FOR A FLEXIBLE FUTURE

The key to success

The key to success is **flexibility**. Being flexible will allow you to follow different options but only if you choose the right subjects now. Today's most employable people are those who are **flexible, multi-skilled** and with a **wide variety of employment experiences**. Many vocational and employment opportunities begin at school.

In Years 11 and 12, students have the opportunity to develop skills that will contribute to future flexibility. The wise selection of senior subjects will provide different levels of entry to tertiary study and the workplace.

Many pathways

There are two elements to tertiary study (*not always distinct*) - **Higher Education** and **Vocational Education**.

1. **Higher Education** is obtained at university and entry requirements include an **ATAR** (Australian Tertiary Admissions Rank) and in some cases, an industry specific aptitude test, interview, questionnaire response or portfolio presentation.
2. **Vocational Education** is obtained at TAFE and Private Colleges where NO ATAR is required. At Macquarie Fields High School, students can choose subjects, which provide **Credit Transfer** into many TAFE courses. Some vocational subjects have a direct Work Placement Component. These provide **Advance Standing** into some TAFE courses and provide students with a nationally recognised qualification on completion.

Value of a combined HSC & VET Course

This credential is a valuable achievement, The combination of VET as part of your HSC can provide you with many opportunities for your future. Dual accreditation means gaining a HSC and a TAFE qualification as part of that HSC.

Where to get advice

There are many people available to help you make these decisions:

Deputy Principal	Mr J Perrett
Careers Adviser and Vocational Education	Mr A Lustica
Head Teacher Teaching & Wellbeing	Mrs S Gibbs (Rel)
Head Teacher English	Mrs N Stevens (M, T, TH) Mrs M Ingale (Rel) (W, F)
Head Teacher Mathematics	Mr G Plowes
Head Teacher Science	Mr B Matchett
Head Teacher Creative Arts	Mrs H Davidson (Rel)
Head Teacher HSIE/Languages	Mr T Neale
Head Teacher PD/H/PE	Miss N Boyles
Head Teacher Technologies	Mr R Singh
Head Teacher Special Education	Ms P O'Sullivan
Pathways Engagement Officer	Ms F McKinnon / Mr A Lustica

HOW DO I CHOOSE SUBJECTS FOR THE HSC?

Follow Your Interests

- ◆ Study subjects you are interested in and believe you will do well in. Do not study a subject that does not interest you. If you enjoy drawing, consider Visual Arts. If you like researching interesting historical events, either Ancient or Modern History are possible choices. If you are passionate about sport, think about PDHPE.

Know your abilities

- ◆ Look for subjects in which you can excel. For example, if you are good at Commerce, consider Business Studies or Economics.

Think about where you are headed

- ◆ Check that you satisfy *required knowledge* and *assumed knowledge* for entry to courses you are interested in.
- ◆ Unless you are certain that university is not for you, choose subjects which count for the ATAR so that the university pathways will be open to you at the end of the HSC.
- ◆ If you are interested in a vocational pathway, you should explore VET courses that are available.
- ◆ VET courses are also a good way to develop skills for casual work to supplement university study.
- ◆ If you decide to enter the workforce after Year 12 and prefer not to do further study, remember you will always need further training. The acquisition of new skills and knowledge is the norm today
- ◆ Any subject which helps to achieve the highest ATAR or helps to get you into a TAFE course will eventually be of benefit to you when you take on further study.

NOTE: various tertiary areas can be integrated, with educational institutions acting as stepping stones so that students can progress from TAFE to University through credit transfer.

Understand the value of learning

- ◆ Education involves the acquisition of knowledge and skills and is a pathway towards personal growth and desirable lifestyles. Many subjects in the HSIE, Science, Languages, and Creative Arts Key Learning Areas help us to **think critically**, become skilled in **solving problems** and become better **communicators**.
- ◆ All these abilities and skills are highly valued by employers and thus will ensure your success in your chosen career.
- ◆ **Learning is a life-long experience and aimed at multi-skilling and flexibility**

THINKING AHEAD – WHAT YOU CHOOSE WILL MAKE A DIFFERENCE IN THE FUTURE

This is a general guide only. You should always check with the institution of your choice to confirm the relevant information.

UNIVERSITY		TAFE
Areas of Study (Recommended by universities)	What might help?	Range of Courses
Architecture/Design and Planning: Students are advised to study two or more units of Mathematics . A general background in Science , particularly Physics , may be helpful but is not essential. Visual Arts may also be useful Industrial Technology is extremely useful	Maths Physics Engineering Studies Geography Visual Arts Industrial Technology	Dip Quantity Surveying, Dip Land & Engineering Survey Drafting Dip Building Studies Adv Dip Product Design & Development Dip. Architectural Technology/Architectural CAD Technology
Arts/Humanities Degree program in arts and liberal studies do not normally require a particular program of study at secondary school. A satisfactory level of English (Standard, Advanced or Extension) is recommended by some institutions, and recommended for all students in this field. If you wish to study foreign languages as your major subject, you should include the language of your choice in your HSC program although it is possible to take introductory language courses without prior study.	English	Library & Information Services
Business/Commerce/Economics/Marketing and Hospitality Courses in accounting, banking, economics, econometrics, finance, management and marketing may require or recommend at least two units of Mathematics as either a prerequisite or assumed knowledge. HSC Economics or Business Studies are considered useful but not essential preparation for courses in these areas. Students wishing to complete Actuarial Studies must complete Maths Ext 1 or 2 .	Maths Economics Business Studies Legal Studies	Adv. Dip. Property Valuation Adv. Dip. Accounting Dip. Business Studies Adv. Dip. Marketing Management Dip Management.
Communication/Media Studies Most courses in these areas do not require a particular course of study at secondary school. A minimum score in English is required by some institutions. However, a questionnaire and/or interview may be required, in addition to the ATAR, for admission.	History English	Dip Advertising Dip Arts (Visual Merchandising) Dip Film and TV Production

UNIVERSITY		TAFE
Areas of Study	What might help?	Range of Courses
Earth and Environmental Sciences <i>(Human and physical geography, geology, geophysics, environmental science, resource & environmental management.)</i> Most courses do not require a particular program of study. However, a background in Science subjects and Mathematics is recommended by most institutions.	Earth and Environmental Science Maths Geography Chemistry Physics Biology	Dip. Horticulture Dip Viticulture Dip Agriculture Dip Horse Industry Management Dip Agribusiness
Education/Teaching As well as courses in a specific subject area there are teacher education programs in early childhood, primary and secondary education. For secondary teaching students must also fulfil the entry requirements in their proposed area of specialisation. For early childhood or primary teachers, some institutions require satisfactory or test for satisfactory levels of Mathematics and/or English . Students must achieve a Band 5 in English and two other subjects to gain entry into Teacher Education programs. The NSW Department of Education and Training requires all intending primary education teachers to have included at least two units of Mathematics and two units of English in the HSC program.	English (Mark cut-off applies) Maths CAFS	Dip Community Services (Children Services)
Engineering At least Extension 1 Mathematics is recommended for the study of all branches of engineering. At least two units of Physics and Chemistry are also recommended. Engineering Studies is considered extremely useful.	Maths Engineering Studies Physics Chemistry Industrial Technology Software Engineering	Adv. Diplomas in: <ul style="list-style-type: none"> ◆ Electrical Technician ◆ Mechanical Technician / Surveying ◆ Manufacturing Systems ◆ Structural Engineer ◆ Telecommunications
Human Movement/Sport Sciences/PE Most courses in these areas do not require a particular area of study at secondary school. However, a background in science subjects (Chemistry , Biology and Mathematics) is recommended by some institutions. Some institutions also require you to provide additional information relating to your sporting achievements. PDHPE is also considered useful.	PDHPE Maths Biology Chemistry	Dip Sport (Massage Therapy) Dip Sport, Fitness & Recreation
Information Technology Studies in this area usually require Mathematics or Extension 1 Mathematics as a prerequisite or assumed knowledge. Computer science is generally taught on the assumption that Extension 1 Maths has been studied.	Maths Software Engineering	Dip of Information Technology Adv Dip Product Design & Development
Law Generally, there are no prerequisites or levels of assumed knowledge associated with any legal course, although students contemplating a Law program combined with arts, business, commerce, economics, engineering, science, social sciences or social welfare must comply with the requirements for those courses.	Legal Studies History Geography English	Adv. Dip. Conveyancing

UNIVERSITY		TAFE
Areas of Study	What might help?	Range of Courses
Medical Sciences <i>(including, medicine, optometry, pharmacy and veterinary sciences)</i> Students intending to take up studies in these areas are advised to include at least two units of Mathematics , Chemistry and either Physics or Biology in the HSC program. ESL English is not considered as appropriate	Maths Physics Chemistry Biology	Dip Lab Technician
Nursing Students intending to undertake nursing studies are generally advised to include at least two units of Mathematics and two or more units of Science , preferably Chemistry or Biology . PDHPE and CAFS are also useful subjects for this area.	Maths Physics Chemistry Biology CAFS Health and Movement Science	Enrolled Nurse AIDE
Health Sciences <i>(Including diversional therapy, medical imaging, medical radiation technology, occupational therapy, orthoptics, physio- therapy, radiography and speech therapy).</i> Students intending to take up studies in any of these areas are advised to include at least two units of Mathematics and Science , preferably Chemistry (2U Physics for medical imaging or medical radiation technology) in the HSC study program.	Maths Physics Chemistry Biology Food Technology Health and Movement Science	
Performing/Creative Arts Students intending to undertake tertiary 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 , Music or Drama may be helpful for courses in the creative and performing arts area. Some institutions base selection to a creative arts course on the mark obtained in a relevant and specific HSC subject. Special admission procedures may be available if you are unable to include suitable subjects in your program.	Visual Arts Drama Music Industrial Technology	Adv. Dip. Fashion Design Adv Dip Ceramics Dip Furniture Design Dip Music Business Dip Production Design and development Production Dip Jewelry & Object Design
Science/Applied Science/Technology Most courses in applied science are four year professional courses which involve the study of Mathematics, Chemistry, Physics and either Biology or Geology in first year. Most science courses require students to have studied as much Science and Mathematics as they can effectively handle. Your HSC program should include both Chemistry and Physics , if possible. Extension 1 Mathematics is assumed knowledge for courses in technology such as Textiles and Metallurgy. Most science courses require students to have studied as much science and mathematics as possible.	Maths Physics Chemistry Biology Software Engineering	Dip. Applied Science (Aviation) Dip Applied Science Environmental Technology Dip Laboratory Technician

UNIVERSITY		TAFE
Areas of Study	What might help?	Range of Courses
Social Science Social sciences may include the study of economics, education, geography, law, psychology and sociology. Mathematics may be required for some subjects.	Any HSIE subjects Mathematics English	Dip Geographic Information Systems
Social Work/Welfare 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. For Psychology degrees, Mathematics is strongly recommended	CAFS Society & Culture Languages	Dip. Community Services
Tourism/Hospitality Management Most courses in these areas do not require a particular program of study at secondary school although economics may be useful. Some courses also require a minimum level of English . Some institutions require work experience in customer services as a prerequisite. Business Studies is also recommended	Hospitality Multi-Skilling Business Studies Business Services Maths Society & Culture	Dip. Events and Entertainment Design Dip. Hospitality Management Dip Tourism

TAFE ENTRY REQUIREMENTS

1. TAFE NSW does not admit students on the basis of their ATAR.
2. Where subject prerequisites are specified for a TAFE course, **the level of achievement** at the HSC is taken into account.
3. Other factors include:
 - ◆ Previous employment/volunteer work
 - ◆ Previous school, TAFE or adult courses
 - ◆ Career intentions, knowledge of the industry, commitment and ability to do the course, specific talents and skills
4. Some TAFE NSW courses have additional selection criteria such as a questionnaire, entrance test, interview or portfolio.
5. Non-prerequisite subjects are credited (credit transfer) to TAFE certificates and Diplomas.
6. For further details regarding TAFE NSW's selection criteria refer to the TAFE NSW website.

USING THE LIBRARY AT MACQUARIE FIELDS HIGH SCHOOL

The library resource collection

- The school library is open Monday to Friday from 8.30am till 3.30pm.

Resources

Our ever-evolving library collection includes, but is not limited to:

- Latest highly reviewed and recommended fiction and non-fiction books
- Specialists HSC Resources
- Computers

Our collection development is supported by professional membership of **Australian School Library Association**, the **Australian Library and Information Association**.

Staff members are fully qualified in information literacy and are able to assist students with their research and information gathering. Expect help in finding the answers to your questions from the Library staff, but not the answers themselves

Tips for Using the Library

- Bring your school identification card with you to the library every time you come.
- Know exactly what the assignment is and when it's due. If the assignment has been given to you in writing, bring it with you.
- Be sure you have a pen, pencil, and other necessary supplies to do the assignment. If you think that you will need to use the copy machines or are planning to do many copies of information from on-line resources, bring change.
- You may know how to use the library but ask the library staff for suggestions anyway. Librarians know lots of special tricks, techniques, and sources that you may not be aware of and can save you time.
- Take down bibliographic information in a consistent manner as you do your research (author, title, publisher, date, pages used). This is necessary for footnotes and bibliographies. It is difficult to retrieve lost information for a bibliography.
- If you are given a broad general topic for your assignment, try to narrow it down as much as possible. Be flexible in your interpretation of your assignment, especially if all of the obvious materials are not available.
- You might want to browse the fiction shelves for some lighter reading materials.
- Plan ahead. If you wait until the night before the assignment is due to start working on it, we will not be able to help you find the best materials for your topic. You will feel more positive about the assignment and the class if you set a work schedule early and keep to it.

**The senior
independent
learning centre**

This is an area within the Library and is available for use by senior students during their study periods, at recess and at lunchtime.

Resources

The SILC room has:

- Access to technology including computers,
- Resources bought by individual faculties to support the senior curriculum. These resources are available for use in the Library only i.e.: it is a Closed Reserve Collection.

**Student
Responsibilities**

It is expected that students will

- Sign in at the front desk of the Library on arrival
- Work productively while in the room
- Be considerate to the learning needs of other students in the area
- Return all Closed Reserve resources to their correct places.

HSC MINIMUM STANDARD

Students need reading, writing and numeracy for everyday life after school.

This is why students in NSW are being supported to meet a minimum standard of literacy and numeracy to receive the HSC.

Minimum standard online tests

To show they meet the HSC minimum standard, students need to achieve [Level 3 or 4](#) in short [online reading, writing and numeracy tests](#) of skills for everyday life. Students need to achieve [Level 3 or 4](#) in short online reading, writing and numeracy tests of skills for everyday life to meet the [HSC minimum standard](#).

Students get up to six times per year to sit each minimum standard reading, writing or numeracy test.

At least 14 calendar days is required before re-attempting a test in the same domain.

Students can take the tests from Year 10 until up to five years after starting their first HSC course.

Schools will help students decide when they are ready to take each test.

Students planning to [leave school before completing their HSC](#) may choose to take these tests to show their level of literacy and numeracy skills.

[Provisions](#) for the minimum standard tests are available for some students with disability.

Some students with a disability studying Life Skills courses may be exempt from meeting the minimum standard to receive their HSC credential.

Schools may run a test for a group of students or an individual student.

Students will receive their test results via [Students Online](#).

Some students with disability studying Life Skills courses may be [exempt](#) from meeting the minimum standard to receive their HSC credential.

Together with the NSW Literacy and Numeracy Strategy, the HSC minimum standard is part of an effort to improve the literacy and numeracy outcomes for students.

Students need to achieve Level 3 or 4 in short online reading, writing and numeracy tests of skills for everyday life to show they meet the HSC minimum standard.

This means that students who demonstrate the standard have the skills to do things like:

- follow safety instructions in equipment manuals
- understand a mobile phone plan
- write a job application
- create a personal weekly budget.

What do the tests involve?

Minimum Standard Reading Test

- 45 multiple-choice questions.
- Adaptive — meaning it tailors to a student's ability. Questions become harder or easier depending on whether a student is answering questions correctly or incorrectly.

Minimum Standard Numeracy Test

- 45 multiple-choice questions.
- Adaptive — meaning it tailors to student's ability. Questions become harder or easier depending on whether a student is answering questions correctly or incorrectly.
- An onscreen calculator will be provided for some questions.

Minimum Standard Writing Test

- **One question** based on a visual or text prompt.
- Response of up to 500 words to be provided in onscreen text box.
- Marked by trained markers according to the [achievement level descriptions](#), relevance of writing to the topic, structure and sequence of ideas and control of language.

Sitting for the tests after the HSC

Students who do not demonstrate the minimum standard before they complete Year 12, can apply to sit for one or more minimum standard online tests after they leave school. To be eligible, you need to have fulfilled all your [HSC requirements](#) except for the minimum standard of literacy and/or numeracy.

You can sit for the tests up to 5 years after starting your first HSC course.

There is no cost to sit for the test(s).

Further information

<https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/hsc/hsc-minimum-standard/online-tests/what-to-expect-in-the-tests>



Macquarie Fields High School

COURSE OUTLINES 2026

COURSE OUTLINES

Creative and Performing Arts

Music 1
Music 2
Photography, Video & Digital Imaging
Visual Arts
Visual Design

English

English Studies
English Standard
English Advanced
English Extension 1

HSIE/ Languages

Business Studies
Geography
Economics
Society and Culture
Aboriginal Studies
Ancient History
Legal Studies
Modern History
Studies of Religion I
Studies of Religion II
Japanese (Beginners)
Japanese (Continuers)

Mathematics

Mathematics Standard
Mathematics Advanced
Mathematics Extension 1

Personal Development. Health & Physical Education

Community & Family Studies
Exploring Early Childhood
Health and Movement Science
Sport Lifestyle and Recreation (SLR) 1unit
Sport Lifestyle and Recreation (SLR) 2unit

Sciences

Biology
Chemistry
Earth and Environmental Science
Investigating Science
Physics
Science Extension (Year 12 only)

Technologies

Design & Technology
Engineering Studies
Enterprise Computing
Food Technology
Industrial Technology –Timber or Graphics
Software Engineering
Textiles & Design

VET COURSES

Hospitality Food and Beverage (240 hrs)
TAFE VET Courses and SBAT information – see Mrs Fernando for further details

Careers

Work Studies

Mrs Heather Davidson (Rel)

2 unit
2 unit
2 unit Content Endorsed Course
2 unit
1 unit Content Endorsed Course

Mrs Natalie Stevens

Mrs Mansi Ingale (Rel)
2 unit Content Endorsed Course
2 unit
2 unit
1 unit

Mr Troy Neale

2 unit
2 unit
2 unit
2 unit
2 unit
2 unit
2 unit
1 unit
2 unit
2 unit
2 unit

Mr Geoff Plowes

2 unit
2 unit
1 unit

Miss Nicole Boyles

2 unit
2 unit Content Endorsed Course
2 unit
1 unit Content Endorsed Course
2 unit Content Endorsed Course

Mr Bill Matchett

2 unit
2 unit
2 unit
2 unit
2 unit
2 unit
1 unit

Mr Ramnik Singh

2 unit
2 unit
2 unit
2 unit
2 unit
2 unit
2 unit

Mrs Jay Fernando

2 unit

Mr Antony Lustica

2 unit

Music 1

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Music 2

Desirable: Read Music and play an instrument or sing.

Course Description:

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

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. Examples include popular music, music for film, TV, radio and multimedia and small ensembles.

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 the Board of Studies to validate authorship of the submitted work.

Summary of external and internal HSC assessment

External examination	Mark	Internal assessment	Weighting
Written examination – Aural Skills Four short-answer questions	30	Performance Core	10
Practical examination – Core Performance	20*	Composition Core	10
Electives	60*	Musicology Core	10
	100	Aural Core	25
		Elective 1	15
		Elective 2	15
		Elective 3	15
			100

*The marks for Core Performance and the Electives will be converted to a mark out of 70, giving a total mark out of 100 for the examination.

Music 2

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Music 1

Desirable: A strong knowledge of music theory and accomplished performance skills as a vocalist or instrumentalist.

Course Description:

The aim of Music 2 is to provide students with the opportunity to build on their musical knowledge and skills, and to emerge as musically sensitive and critical individuals with the capacity and desire for music to play a significant and continually developing role in their lives.

Students will gain understanding of the musical concepts through the integration of experiences in performance, composition, musicology and aural.

The objectives of Music 2 Stage 6 are:

- to continue to develop musical knowledge and skills, an understanding of music in social, cultural and historical contexts, and music as an art form through performance, composition, musicology and aural activities
- to develop the ability to synthesise ideas and evaluate music critically
- to develop an awareness and understanding of the impact of technology on music
- to develop personal values about music.

Main Topics Covered:

1. Preliminary Course focuses on:

Students will study the mandatory topic and ONE additional topic.

MANDATORY TOPIC: Music 1600-1900

ADDITIONAL TOPICS: Students will study ONE additional topic from the list below:

- Australian music
- music of a culture
- medieval music
- renaissance music
- music 1900–1945
- music 1945 – music 25 years ago.

2. HSC Course focuses on:

Students will study the mandatory topic and ONE additional topic.

MANDATORY TOPIC: Music of the last 25 years (Australian focus)

ADDITIONAL TOPICS: Students will study ONE additional topic from the list below which will be different from the topic studied in the Preliminary course:

- music of a culture (different from Preliminary course study)
- medieval music
- renaissance music
- baroque music
- classical music
- music in the nineteenth century
- music 1900–1945
- music 1945 to music 25 years ago

School-based assessment requirements

YEAR 11- The components and weightings for Year 11 are mandatory.

Component	Weighting
Performance	20%
Composition	20%
Musicology	20%
Aural	20%
Elective	20%

The Year 11 formal school-based assessment program is to reflect the following requirements:

- 3 assessment tasks
- the minimum weighting for an individual task is 20%
- the maximum weighting for an individual task is 40%
- only one task may be a formal written examination.

YEAR 12 -The components and weightings for Year 12 are mandatory.

The Year 12 formal school-based assessment program is to reflect the following requirements:

- a maximum of 4 assessment tasks
- the minimum weighting for an individual task is 10%
- the maximum weighting for an individual task is 40%
- only one task may be a formal written examination with a maximum weighting of 30%.

Formal written examination task

This task may assess a broad range of course content and outcomes. Schools may choose to replicate the timing and structure of the HSC examination.

If a school includes the development of the externally assessed practical examination, core composition and electives in conjunction with the written paper, the combined weighting of the tasks must not exceed 30%.

School-based assessment of externally marked tasks

Schools are reminded that when assessing the development of core and elective performance, composition and musicology works, appropriate school-based marking guidelines should be developed. Use of the external HSC marking guidelines is not appropriate.

School-based assessment of the composition portfolio

A composition portfolio is to be developed as a record of the compositional process for Elective Composition and may be taken into account as part of school-based assessment. Schools will use the composition portfolio as evidence of student progress and authorship of student work as it develops over time. The composition portfolio is not part of the external examination mark.

School-based assessment of the Musicology portfolio

A musicology portfolio is to be developed as a record of the musicological process and may be taken into account as part of school-based assessment. Schools will use the musicology portfolio as evidence of student progress and authorship of student work as it develops over time. The musicology portfolio is not part of the external examination mark.

Photography, Video and Digital Imaging

2 units Content Endorsed Course (Non ATAR) for each of Preliminary (120hrs) and HSC (120hrs)

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

Course Description:

- Photography, Video and Digital Imaging in Stage 6 is designed to enable students to gain an increasing accomplishment and independence in their representation of ideas in the fields of photography and/or video and/or digital imaging and to understand and value how these fields of practice invite different interpretations and explanations.
- 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 accomplishment.
- 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.

Course Structure:

The time allocated to each module is flexible within the range of 20–40 hours. When deciding on the duration of modules, consideration should be given to:

- the time required to achieve outcomes
- the level to which outcomes will be achieved
- the extent to which content in modules will be explored
- the requirements of TAFE courses, for which there may be potential for credit transfer.

Possible course options:

Course	Units	Hours	Structure
1 year (Year 11 or Year 12)	1	60	• 2–3 modules
1 year (Year 11 or Year 12)	2	120	• 3–6 modules
2 year (Year 11 and Year 12)	1	120	• as for the 1 year, 2 unit course above
2 year (Year 11 and Year 12)	2	240	• 6–12 modules

Fields and Modules:

The Occupational, Health and Safety Module is mandatory in any course offered and should be delivered as an integrated module.

Each of the other modules, with the exception of the Individual/Collaborative Project, is situated within a field of practice — wet photography, video or digital imaging. There are six modules in each field. The additional module, Individual/Collaborative Project, extends students' learning experiences and may reflect students' increasing interests and desire to specialise in one or more of these fields or to explore further the connections between the fields.

Modules may be selected from any of the fields (as well as the Individual/Collaborative Project) to construct a 60 hour, 120 hour or 240 hour course. The course must also include the Work Health and Safety Module. The diagram on the next page provides further details.

Modules that can be covered throughout the course:

Field	Module Title:	
Video	V1	Introduction to Practice in Video
	V2	Developing a Point of View
	V3	Traditions, Conventions, Styles and Genres
	V4	Manipulated Forms
	V5	The Arranged Image
	V6	Temporal Accounts

Field	Module Title:	
Digital Imaging	DI1	Introduction to Practice in Digital Imaging
	DI2	Developing a Point of View
	DI3	Traditions, Conventions, Styles and Genres
	DI4	Manipulated Forms
	DI5	The Arranged Image
	DI6	Temporal Accounts

General	G1 20–40 hours	Individual/Collaborative Project
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Mandatory in any field(s)	3–6* hours	Work Health and Safety
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Assessment: The components and weightings to be used by schools are detailed below. The allocation of weighting to particular tasks is left to the individual schools, but the percentages allocated to each assessment component must be maintained.

There should be a balance between the assessment of:

- knowledge and understanding outcomes and course content and
- skills outcomes and content

The following components and weightings are to apply:

Component	Weighting (%)
Making	70%
Critical and historical studies	30%

Visual Arts

2 units for each of Preliminary (120hrs) and HSC (120hrs)

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

Course Description:

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

The Preliminary course is broadly focused, while the HSC course provides for deeper and more complex investigations. While the course builds on Visual Arts courses in Stages 4 & 5, it also caters for students with more limited experience in Visual Arts.

Main Topics Covered:

1. Preliminary Course focuses on:

- The nature of practice in artmaking, art criticism and art history through different investigations.
- The role and function of artists, artworks, the world and audiences in the artworld.
- The different ways the visual arts may be interpreted 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.

2. HSC Course focuses on:

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

Particular Course Requirements:

1. Preliminary Course

- Artworks in at least two expressive forms and use of a process diary
- a broad investigation of ideas in art making, art criticism and art history

2. HSC Course

- development of a body of work and use of a process diary. The body of work can be developed using a range of art making techniques including painting, ceramics, digital media, animation, drawing and sculpture
- a minimum of five Case Studies (4–10 hours each)
- deeper and more complex investigations in art making, art criticism and art history.

Assessment overview:

Section / Part	Marks	Component	Weighting
<i>Section I</i> There are three short-answer questions. Each question may consist of parts. These are normally weighted 5, 8 and 12 marks.	25	<i>Preliminary Course</i>	
		Artmaking	50
		Art criticism and art history	50
<i>Section II</i> There will be six questions: two questions on each of practice, the conceptual framework and frames. Students attempt one question ONLY , with an expected length of response of around eight examination writing booklet pages (approximately 1000 words).	25		100
		<i>HSC Course</i>	
		Artmarking	50
		Art critics and art history	50
			100
Body of Work	50		
	100		

Visual Design

1 Unit Content Endorsed Course (Non ATAR) Preliminary (60hrs) HSC (60hrs)

Course Description:

Visual Design provides opportunities for students to pursue their abilities and interests in design fields that offer a wide range of tertiary courses and work opportunities.

Visual Design Stage 6 is designed to enable students to gain an increasing accomplishment and independence in their representation of ideas in different fields of design and to understand and value how graphic, wearable, product and interior/exterior design invite different interpretations and explanations.

Main Topics Covered:

Modules include:

- **Graphic Design :**
 - GD1 Publications and Information
 - GD2 Illustration and Cartooning
 - GD3 Interactive and Multimedia
- **and/or**
- **Wearable Design**
 - WD1 Clothing and Image
 - WD2 Jewellery and Accessories
 - WD3 Textiles
- **and/or**
- **Product Design**
 - PD1 Packaging
 - PD2 Furniture
 - PD3 Industrial
- **and/or**
- **Interior/Exterior Design**
 - IED1 Structures and Environments
 - IED2 Stage Sets and Props
 - IED3 Interiors
- **and/or**
- **General**
 - GM Individual /Collaborative Design Project
- **and**
- **Mandatory**
 - MM Work Health and Safety

Course Requirements

Students are required to keep a diary over the duration of the course. The diary may include a sketch book, folder, notepads, computers disks, CD's, videotape and combinations of these. The diary, in conjunction with other work produced, will form a part of the assessment program.

Students are encouraged to develop a portfolio of their work over the course. The portfolio should contain works that are accomplished, conceptually strong and well-resolved and that demonstrate students' learning in the selected modules.

Assessment Components, Weightings and Tasks

Component	Weighting
Designing and making	70%
Critical and Historical Studies	30%

English Studies

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Students studying English Studies may elect to undertake an optional HSC examination. The examination mark will be used by the Universities Admissions Centre (UAC) to contribute to the student's Australian Tertiary Admission Rank (ATAR). Students who do not sit for the English Studies HSC examination are not eligible for the calculation of an ATAR.

Course description:

Preliminary and HSC modules support students in developing proficiency in English to enhance their personal, social and vocational lives. This course is an alternative to the Standard English course.

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.

Main Topics Covered:

Students undertake:

Year 11 – *Achieving through English: English in education, work and community* (Compulsory)

Year 12 – Common module: *Texts and Human Experiences* (Compulsory)

and up to four additional Modules chosen from a range of modules, selected by the English faculty. Examples include:

Module A – We are Australians: English in citizenship, community and cultural identity

Module C – On the road: English and the experience of travel

Module E – Playing the Game: English in sport

Module F – MiTunes and Text: English and the language of song

Particular Course Requirements

All modules involve a minimum of 24 indicative hours of study. Students must complete a minimum of three modules. They may undertake other modules (with a minimum of 24 indicative hours of study) or apply the balance of time to additional work in the modules they have already undertaken.

Overview of components of school based assessment

Component	Weighting.
Knowledge and understanding of course content	50
Skills in: <ul style="list-style-type: none"> Comprehending texts Communicating ideas Using language accurately, appropriately and effectively 	50
	100

English Standard	
2 units for each of Preliminary (120hrs) and HSC (120hrs)	
Exclusions: English (Advanced); English (EAL/D); English (Extension).	
Course description: 1. Preliminary Course <ul style="list-style-type: none"> Common module is undertaken through units of work called <i>Reading to Write</i>, Transition to Senior English. This content comprises 40% of the course content. Electives in which students explore and examine texts and analyse aspects of meaning. The electives comprise 60% of the content. Modules include <i>Contemporary Possibilities</i> and <i>Close Study of Literature</i>. 2. HSC Course <ul style="list-style-type: none"> The HSC Common content is <i>Texts and Human Experiences</i> where students analyse and explore texts and apply skills in synthesis. Elective choice modules emphasise particular aspects of shaping meaning and demonstration of the effectiveness of texts for different audiences and purposes. Modules include <i>Language, Identity and Culture</i>, <i>Close Study of Literature</i> and <i>The Craft of Writing</i>. 	
Main Topics Covered: 1. Preliminary English (Standard) course requires study of <ul style="list-style-type: none"> Australian and other texts a range of types of text: prose fiction, drama, poetry, nonfiction, film, media and/or multimedia texts wide reading programs involving texts and textual forms in a variety of contexts reading, writing, listening, speaking, viewing and representing as appropriate the integrated study of language and text 2. HSC English (Standard) course requires study of 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 study a wide range of additional related texts and textual forms in the Common module: <i>Texts and Human Experiences</i> .	

External HSC Assessment
Internal HSC assessment

Section / Part	Component	
Paper 1 – Texts and Human Experiences Two Sections Section 1 – Short answer response questions on a selection of short texts. Section 2 – An extended response on the set text.	Common module: Texts and Human Experiences	
	Module A	
	Module B	
	Module C	
Paper 2 – Modules <i>Module A: Language, Identity and Culture</i> Candidates answer one sustained response question	Components assessed across the course	
<i>Module B: Close Study of Literature</i> Candidates answer one sustained response question	Knowledge and understanding of the course content.	50
<i>Module C: The Craft of Writing</i> Candidates answer only one response question which may have one or two parts.	Skills in responding to text and communication of ideas appropriate to audience, purpose and content across all modes.	50
		100

English Advanced
2 units for each of Preliminary (120hrs) and HSC (120hrs)
Exclusions: English (Standard); English (Studies); English (EAL/D)
Course Description: Preliminary English (Advanced) students explore the ways that events, experiences, ideas, values and processes are represented in and through texts and analyse the ways in which texts reflect different attitudes and values. HSC English (Advanced) course students analyse and evaluate texts and the ways that they are valued in their contexts.
Main Topics Covered: 1. Preliminary Course – The course has two sections: <ul style="list-style-type: none"> Common module is undertaken through units of work called <i>Reading to Write</i>. This content comprises 40% of the course content. Electives in which students explore and examine texts and analyse aspects of meaning. The electives comprise 60% of the content. Modules include <i>Narratives That Shape Our World</i> and <i>Critical Study of Literature</i>. 2. HSC Course – The course has two sections: <ul style="list-style-type: none"> the HSC Common Content Common module, <i>Texts and Human Experiences</i> crosses both courses where students analyse and explore texts and apply skills in synthesis. Modules which emphasise particular aspects of shaping meaning and representation, questions of textual integrity, and ways in which texts are valued. Modules include <i>Textual Conversations</i>, <i>Critical Study of Literature</i> and <i>The Craft of Writing</i>
Particular Course Requirements: 1. Preliminary English (Advanced) course requires: <ul style="list-style-type: none"> study of Australian and other texts exploration of text drawn from prose fiction, drama, poetry, nonfiction, film, media and/or multimedia texts reading programs involving texts and textual forms in a wide variety of contexts integration of the modes of reading, writing, listening, speaking, and viewing and representing as appropriate engagement in the integrated study of language and text 2. HSC English (Advanced) course requires: 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.

External HSC Assessment

Internal HSC assessment

Section / Part	Component	
Paper 1 – Texts and Human Experiences Two Sections Section 1 – Short answer response questions on a selection of short texts. Section 2 – An extended response on the set text.	Common Module: Texts and human experiences	
	Module A	
	Module B	
	Module C	
Paper 2 – Modules <i>Module A: Textual Conversations</i> Candidates answer one sustained response question	Components assessed across the course	
	Knowledge and understanding of the course content.	50
	Skills in responding to text and communication of ideas appropriate to audience, purpose and content across all modes.	50
	<i>Module C: The Craft of Writing</i> Candidates answer only one response question which may have one or two parts.	
		100

<h1>Preliminary English Extension</h1>	
<p>1 unit of study for each of Preliminary (120hrs) and HSC (120hrs)</p>	
<p>Prerequisites:</p>	<p>(a) English (Advanced) course (b) Preliminary English Extension Course for HSC Extension Course 1 (c) Extension Course 1 for Extension Course 2</p>
<p>Exclusions:</p>	<p>English (Standard); English (Studies); English (EAL/D)</p>
<p>Course Description:</p> <ul style="list-style-type: none"> In the Preliminary (Extension) Course, 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. They consider how and why cultural values are maintained and changed. In the HSC English (Extension) Course 1, students explore, investigate, experiment with and evaluate the ways texts represent and illuminate the complexity of individual and collective lives in literary worlds. In the HSC English (Extension) Course 2, students develop a sustained composition, and document their reflection on this process. <p>In studying these courses, students will develop skills to work independently to experiment with language forms, features and structures and to engage with complex levels of conceptualisation.</p>	
<p>Main Topics Covered:</p> <p>Preliminary Extension Course has one mandatory module: Texts, Culture and Value as well as a related research project.</p> <p>HSC Extension Course 1 has one common module, Literary Worlds, with five associated electives. Students must complete one elective, selected by the English faculty. Examples include:</p> <ul style="list-style-type: none"> - Elective 1: Literary homelands - Elective 2: Worlds of upheaval 	
<p>Particular Course Requirements:</p> <p>Preliminary English (Extension) Course Students are required to:</p> <ul style="list-style-type: none"> examine a key text from the past and its manifestations in one or more recent cultures explore, analyse and critically evaluate different examples of such texts in a range of contexts and media undertake a related research project. <p>Preliminary English (Extension) Course 1 Students are required to study:</p> <ul style="list-style-type: none"> at least three prescribed texts for the elective study which must include two extended print texts (as outlined in the English Stage 6 Prescriptions: Modules, Electives and Texts Higher School Certificate 2019–2023 document) at least TWO related texts. <p>The HSC English (Extension) Course 2 Students are required to complete a Major Work which involves students undertaking extensive independent investigation involving a range of complex texts during the composition process and document this in their Major Work Journal and Reflection Statement.</p> <p>Students can choose to compose in ONE of the following forms:</p> <ul style="list-style-type: none"> short fiction creative non-fiction poetry critical response script – short film, television, drama podcasts – drama, storytelling, speeches, performance poetry multimedia. 	

Business Studies

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

Business activity is a feature of everyone's life. The Business Studies syllabus encompasses the theoretical and practical aspects of business in ways students will encounter throughout their lives.

It offers learning from the planning of a small business to the management of operations, marketing, finance and human resource in large businesses.

Contemporary business issues and case studies are embedded in the course to provide a stimulating and relevant framework for students to apply to problems encountered in the business environment. Business Studies foster's intellectual, social and moral development by assisting students to think critically about the role of business and its ethical responsibilities of society.

Main Topics Covered:

Preliminary Course

- Nature of Business (20%) – the role and nature of business
- Business management (40%) – the nature and responsibilities of management
- Business planning (40%) – establishing and planning a small to medium enterprise

HSC Course

- Operations (25%) – strategies for effective operations management
- Marketing (25%) – development and implementation of successful marketing strategies
- Finance (25%) – financial information in the planning and management of business
- Human resources (25%) – human resource management and business performance

Summary of external and internal HSC assessment

External examination	Mark
<i>Section I</i> Objective response questions	20
<i>Section II</i> Short-answer questions	40
<i>Section III</i> Candidates answer one extended response question in the form of a business report	20
<i>Section IV</i> Candidates answer one extended response question	20
	100

Internal assessment	Weighting
Knowledge and understanding of course content	40
Stimulus-based skills	20
Inquiry and research	20
Communication of business information, ideas and issues in appropriate forms	20
	100

Internal school assessment	Weighting
In class essay	20
Half yearly exam	25
Research and in class business report	25
Trial HSC	30

Geography

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

- The Preliminary course investigates biophysical and human geography and develops students' knowledge and understanding about the spatial and ecological dimensions of geography.. Inquiry methodologies are used to investigate the unique characteristics of our world through fieldwork, geographical skills and the study of contemporary geographical issues.
- The HSC course enables students to appreciate geographical perspectives about the contemporary world. There are specific studies about biophysical and human processes, interactions and trends. Fieldwork and a variety of case studies combine with an assessment of the geographers' contribution to understanding our environment and demonstrate the relevance of geographical study.

Main topics Covered:

1. Preliminary Course

Biophysical Interactions (45%) – how biophysical processes contribute to sustainable management
Global Challenges (45%) – geographical study of issues at a global scale.
Senior Geography Project (10%) – a geographical study of student's own choosing

2. HSC Course

Ecosystems at Risk (33%) – the functioning of ecosystems, their management and protection
Urban Places (33%) – study of cities and urban dynamics
People and Economic Activity (33%) – geographic study of economic activity at a local and global context.

Key concepts incorporated across all topics: change, environment, sustainability, spatial and ecological dimensions, interaction, technology, management and cultural integration.

Particular Course Requirements:

Students complete a senior geography project (SGP) in the Preliminary course and must undertake 10 hours of fieldwork in both the Preliminary and HSC courses. Students will be required to submit both oral and written geographic reports.

Summary of external and internal HSC assessment

External examination	Mark	Internal assessment	Weighting
<i>Section I</i> Objective response questions	20	Knowledge and understanding of course content	40
<i>Section II</i> Short-answer questions	40	Geographical tools and skills	20
<i>Section III</i> Candidates answer two extended response questions	40	Geographical inquiry and research, including fieldwork	20
	100	Communication of geographical information, ideas and issues in appropriate forms	20
			100

Internal school assessment	Weighting
Field work and report	25
Short responses related to urban Dynamics	20
Geography essay in class	25
Trial HSC	30

Economics

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

Economics provides 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 within the course.

Main Topics Covered:

Preliminary Course

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

HSC Course

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

Summary of external and internal HSC assessment

External examination	Mark	Internal assessment	Weighting
<i>Section I</i> Objective response questions	20	Knowledge and understanding of course content	40
<i>Section II</i> Short-answer questions	40	Stimulus-based skills	20
<i>Section III</i> Candidates answer one stimulus-based extended response question	20	Inquiry and research	20
<i>Section IV</i> Candidates answer one extended response question	20	Communication of economic information, ideas and issues in appropriate forms	20
	100		100

Internal school assessment	Weighting
Research and in class essay	25
In class essay	30
Multiple choice with problem solving	15
Trial HSC	30

Society and Culture

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

Society and Culture deals with areas of interest and relevance to students and develops knowledge, understanding, skills, values and attitudes essential to an appreciation of the social world. The interaction of persons, society, culture, environment and time and how they shape human behavior is a central theme of study. Students develop an understanding of research methodologies and undertake research in an area of particular interest to them. The research findings are presented for external assessment in the Personal Interest Project (PIP).

Main topics Covered:

1. Preliminary Course

- The Social and Cultural World – the interaction between aspects of society and cultures
- Personal and Social Identity – socialisation & coming of age in a variety of social and cultural settings.
- Intercultural Communication – how people in different cultures interact and communicate

2. HSC Course

Core

- Social and Cultural Continuity and Change – the nature, continuity and change, research and study of a selected country
- The Personal Interest Project - an individual research project

Depth Studies

Two to be chosen from:

- Popular Culture – the interconnection between individuals and popular culture
- Belief Systems – role of belief systems in societies, cultures and personal life
- Conformity and Non conformity – why are there sub-cultures?
- Inclusion and Exclusion- why does inequality exist and how can it be overcome?

Particular Course Requirement

- Completion of Personal Interest Project

Summary of external and internal HSC assessment

External examination	Mark
Written examination	
<i>Section I – Core</i>	
Objective response questions	8
Short-answer questions	12
<i>Section II</i>	
Candidates answer one question in parts on a Depth Study	20
<i>Section III</i>	
Candidates answer one extended response question on a different Depth Study to that chosen in Section II	20
Personal Interest Project	40
	100

Internal assessment	Weighting
Knowledge and understanding of course content	50
Application and evaluation of social and cultural research methodologies	30
Communication of information, ideas and issues in appropriate forms	20
	100

Internal school assessment	Weighting
Research and written report	25
Oral presentation on social Inclusions / Exclusions	20
In class essay	25
Trial HSC	30

Aboriginal Studies 2 unit

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

Year 11 course

Focuses on Aboriginal peoples' relationship to the Land, Aboriginal heritage and identity, and an historical examination of colonialism, racism and prejudice from pre-contact times to the 1960s. The course also includes the development of skills in culturally appropriate research and inquiry methods. It involves case studies.

HSC course provides for in depth study of current events from the 1960s. During the course, students will undertake consultation with Aboriginal communities and will study the course through the experiences of national and international Indigenous communities. Students apply research and inquiry methods through the completion of a major project.

Main Topics Covered

Year 11 Course

- Part I: Aboriginality and the Land (20%) Aboriginal peoples' relationship to Country
- Dispossession and dislocation of Aboriginal peoples from Country
- Impact of British colonisation on Country
- Part II: Heritage and Identity (30%) – The Dreaming and cultural ownership
- Diversity of Aboriginal cultural and social life
- Impact of colonisation on Aboriginal cultures and families
- Impact of racism and stereotyping
- Part III: International Indigenous Community: Comparative Study (25%) – Location, environment and features of an international Indigenous community
- Comparison of the key experiences of the international Indigenous and an Australian Aboriginal community in relation to Aboriginality and the Land; and Heritage and Identity
- Part IV: Research and Inquiry Methods: Local Community Case Study (25%) – Methods and skills relating to; community consultation; planning research; acquiring information; processing information; communicating information
- **HSC Course**
 - Part I – Social Justice and Human Rights Issues (50%) – A Global Perspective (20%)
 - Global understanding of human rights and social justice
 - AND
 - B Comparative Study (30%)
 - A comparative case study on an Aboriginal and international Indigenous community, in relation to TWO of the following topics: Health, Education, Housing, Employment, Criminal Justice, Economic Independence
 - Part II – Case Study of an Aboriginal community for each topic (20%) – A Aboriginality and the Land The Land Rights movement and the recognition of native title; government policies and legislation; non-Aboriginal responses
 - OR
 - B Heritage and Identity – Contemporary aspects of Aboriginal heritage and identity, government policies and legislation; non-Aboriginal responses
 - Part III – Research and Inquiry Methods – Major Project (30%)
 - Choice of project topic based on student interest.

Ancient History

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

The Preliminary course is structured for students to investigate:

- People, groups, events, institutions, societies and historical sites from the ancient world
- Archaeological and written evidence and the methods used by historians and archaeologists.

The Preliminary Course introduces students to the language and concepts of Ancient History through case studies such as Ancient Human Remains, and Tutankhamen's Tomb.

In the HSC course, students use archaeological and written evidence to investigate a core study, a personality from the ancient world plus one ancient society and one historical period drawn from at least two of the following geographic areas: Egypt, Near East, Greece and Rome.

HSC History Extension involves the study and evaluation of the ideas and processes used by historians to produce history. In Part 1 of the course, students investigate the question "What is history?" through readings compiled in a source book and through one case study. In Part II, students design, undertake and communicate their own personal historical inquiry.

1 unit at HSC only – recommended students

Main Topics Covered

Preliminary Course

- **Part I: Investigating Ancient History**, The Nature of Ancient History – Human Remains.
- **Part II: Investigation Ancient History Case Studies**; The Roman Games and Ancient Australia.
- **Part III: Historical Investigation** - Student choice of Historical Inquiry topic research skills.
- **Part IV: Features of Ancient Societies**: Weapons and Warfare.

HSC Course

- **Part I:** Core Study – Cities of Vesuvius, Pompeii and Herculaneum (25% of course time)
- **Part II:** Personalities in Their Times – one personality to be studied from the Personality options offered in the syllabus: (25% of course)
- **Part III:** Ancient Societies – one Ancient Society to be studied from the Ancient Societies options offered in the syllabus: (25% of course time)
- **Part IV:** Historical Periods – one Historical Period to be studied from the Historical Periods options offered in the syllabus: (25% of course time)

Legal Studies

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

The Preliminary course develops students' knowledge and understanding of the nature and functions of law and law-making, the development of Australian and international legal systems, the Australian Constitution and law reform. It examines an individual's rights and responsibilities, how disputes are resolved and examines a contemporary issue concerning the individual and technology. Students have the opportunity to analyse and synthesise legal information and investigate legal issues from a variety of perspectives.

The HSC course investigates the key areas of law, justice, human rights, contemporary issues facing Aust. society and international conflicts through a variety of focus studies which consider how changes in societies influence law reform.

Main Topics Covered

Preliminary Course

- The Legal System (40% of course time)
- The Individual and the State (30% of course time)
- The Law in Practice (30% of course time)

HSC Course

- Crime (30% of course time)
- Human Rights (20% of course time)
- Options (50% of course time)

Students will also study two focus studies chosen from:

- Family
- Indigenous

Key themes incorporated across all topics: Justice, Law and Society, Culture, Values and Ethics, Conflict and Cooperation, Continuity and Change, Legal Processes and Institutions, Effectiveness of the Legal System.

Particular Course Requirements: No special requirements

Modern History

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

The Preliminary course is designed to provide students with opportunities to investigate individuals, groups, events, institutions, societies and ideas in a range of historical contexts, as a background for their more specialised HSC studies.

The HSC course is designed for students to investigate national and international forces for change and continuity in the 20th century through three major studies.

HSC History Extension involves the study and evaluation of the ideas and processes used by historians to produce history and also undertake a Case Study on the Presidency of John Fitzgerald Kennedy. In Part 1 of the course, students investigate the question 'What is history?' through readings compiled in a source book and through one case study. In Part II, students design, undertake and communicate their own personal historical inquiry. **1 unit at HSC only - recommended students**

Main Topics Covered;

Preliminary Course

- **Part I: Investigation Modern History:** The Construction of Modern Histories and a choice of 2 Depth Studies including; The Assassination of JFK, The Fall of the Romanovs, The American Civil War, The Cuban Revolution.
(60 % of course time)
- **Part II: Shaping the Modern World:** World War One
(40% of course time)
- **Part 111: A Historical Investigation:** Student Choice of Historical Inquiry and research skills project.
(20% of course time)

HSC Course

- **Part I: Core Study Power and Authority in the Modern World 1919-1946-** The Rise of Dictatorship after WW I the Rise of Nazi regime to 1939 and the search for peace and security in the world
(30% of course time)
- **Part II: National Study; The USA or Russia and the Soviet Union.**
(30 % of course time)
- **Part III: Peace and Conflict:** Conflict in Europe or Conflict in Indochina
(30 % of course time)
- **Part IV: Change in the Modern World:** Apartheid in South Africa or Civil Rights in the USA.
(30 % of course time)

Studies of Religion I

1 unit for each of Preliminary (60hrs) HSC (60hrs)

Exclusions: Studies of Religion II

Course Description:

Studies of Religion I promotes a critical awareness, understanding and application of the nature of religion and the influence of religious traditions, beliefs and practices on individuals and society. The particular focus is on the way in which a religious tradition, as an integrated belief system, provides a distinctive answer to the enduring questions of human existence. The study of a particular religious tradition enables students to demonstrate an appreciation of the diversity of expression within, and the underlying unity of, the whole religious tradition.

Main Topics Covered:

Preliminary Course

- The nature of religion and beliefs including Australian beliefs and spiritualities, as a distinctive response to the human search for the meaning of life
- Two religious tradition studies :
Buddhism, and Hinduism,

Students learn about: origins, principal beliefs, sacred text and writings, core and ethical teachings and personal devotion in the home.

HSC Course

- Religion and belief systems in Australia post - 1945
- Two religious depth studies : Buddhism and Hinduism:

Students learn about significant people and ideas, ethics and significant practices in the life of adherents

Studies of Religion II

2 unit for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Studies of Religion I

Course Description:

Studies of Religion II promotes a critical awareness, understanding and application of the nature of religion and the influence of religious traditions, beliefs and practices on individuals and society. The particular focus is on the way in which a religious tradition, as an integrated belief system, provides a distinctive answer to the enduring questions of human existence. The study of a particular religious traditions enables students to demonstrate an appreciation of the diversity of expression within, and the underlying unity of, the whole religious tradition.

Main Topics Covered:

Preliminary Course

- The nature of religion and beliefs including Australian beliefs and spiritualities, as a distinctive response to the human search for the meaning of life. Religions of Ancient Origin
- Religion in Australia pre-1945,
- **THREE** religious tradition studies :
Buddhism, and Hinduism, Choose Third Depth Study from (Islam Christian, Judaism)

Students learn about: origins, principal beliefs, sacred text and writings, core and ethical teachings and personal devotion in the home.

HSC Course

- Religion and belief systems in Australia post – 1945- Religion and Non Religion, Religion and Peace
- **THREE** religious Depth Studies: Buddhism and Hinduism, and either, Islam or Christianity or Judaism.

Students learn about significant people and ideas, ethics and significant practices in the life of adherents

Japanese (Beginners)

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

The Preliminary course develops students' knowledge and understanding of the Japanese language. Students must acquire knowledge of the Japanese language through six themes integrated by the four specific skills of listening, speaking, reading and writing.

The HSC course continues to develop this knowledge and understanding.

All themes listed in the syllabus must be studied for the HSC. Themes studied in the Preliminary year will be discovered in greater depth.

The study of Japanese contributes to the overall education of students, particularly in the areas of communication, cross-cultural understanding, literacy and general knowledge.

Students can gain access to both the language and the rich cultural traditions of Japan, as well as an understanding of different attitudes and values within the wider Australian

Community and beyond. The ability to communicate in Japanese may, in conjunction with other skills, provide students with enhanced vocational opportunities in areas such as trade, tourism and hospitality, banking and finance, technology, education and research, the arts, diplomacy, government, law, media and advertising, translation and interpreting, and cuisine and Catering.

Main Topics Covered:

- Family Life and Home
- Neighbourhoods and Communities
- Education and Work
- Friends, Recreation and Pastimes
- Holidays, Travel and Tourism
- Future plans and Aspirations.

A continuers course is also available which looks at the themes of the individual, Japanese speaking communities and the changing world. See the HT for this area for more information.

Japanese (Continuers)

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

The Preliminary course develops students' knowledge and understanding of the Japanese language. Students must acquire knowledge of the Japanese language through three themes integrated by the four specific skills of listening, speaking, reading and writing. As they expand the range of tasks, texts and text types studied, students' knowledge and understanding of the culture and the language of Japanese-speaking communities will develop further.

The study of Japanese contributes to the overall education of students, particularly in the areas of communication, cross-cultural understanding, literacy and general knowledge. Students can gain access to both the language and the rich cultural traditions of Japan, as well as an understanding of different attitudes and values within the wider Australian Community and beyond. The ability to communicate in Japanese may, in conjunction with other skills, provide students with enhanced vocational opportunities in areas such as trade, tourism and hospitality, banking and finance, technology, education and research, the arts, diplomacy, government, law, media and advertising, translation and interpreting, and cuisine and Catering.

Main Topics Covered:

There are three prescribed themes studied in the HSC Course:

- the individual
- the Japanese-speaking communities
- the changing world.

Mathematics Standard 2 units of each for Preliminary (120 hrs) and HSC (120 hrs) Exclusions: Mathematics (Advanced); Mathematics (Extension)	
Course Description: Mathematics Standard 11–12 focuses on enabling students to use mathematics to make informed decisions in their daily lives. Students develop understanding and competence through real-world applications of mathematics. Mathematics Standard 1 provides opportunities for students to build confidence and make mathematics meaningful. Students develop their mathematical knowledge and understanding through applying and modelling to prepare for post-school employment or further training. Mathematics Standard 2 provides a pathway for students to extend their mathematical thinking by examining more complex content, and through applications and modelling. Through the study of Mathematics Standard 1, students: <ul style="list-style-type: none"> • develop their knowledge, understanding and skills in Working mathematically and in communicating concisely and systematically • consider various applications of mathematics in a broad range of contemporary contexts through mathematical modelling and use these models to solve problems related to their present and future needs • gain an appropriate mathematical background for post-school employment or further training. Through the study of Mathematics Standard 2, students: <ul style="list-style-type: none"> • develop their knowledge, understanding and skills in Working mathematically and in communicating concisely and systematically • consider various applications of mathematics in a broad range of contemporary contexts through mathematical modelling and use these models to solve problems related to their present and future needs • develop an understanding of, and skills in, further aspects of mathematics for concurrent HSC studies • gain an appropriate mathematical background for a wide range of educational and employment aspirations. 	
Content:	
Preliminary	HSC (Standard 2)
<ul style="list-style-type: none"> • Formulas and Equations • Linear Relationships • Earning Money • Applications of Measurement • Time and Location • Networks, Paths and Trees • Data Analysis 	<ul style="list-style-type: none"> • Algebraic Relationships • Investments and Loans • Annuities • Trigonometry • Ratio and Rates • Network Flow • Critical Path Analysis • Bivariate Data Analysis • Relative Frequency and Probability • The Normal Distribution
	HSC (Standard 1) <ul style="list-style-type: none"> • Algebraic Relationships • Investment • Depreciation and Loans • Right-Angled Triangles • Ratio and rates • Bivariate Data Analysis • Relative Frequency and Probability

Mathematics Advanced	
2 units of each for Preliminary (120 hrs) and HSC (120 hrs)	
Exclusions: Mathematics (Standard)	
Course Description: Mathematics Advanced 11–12 focuses on mathematical ways of viewing the world to investigate concepts, such as order, relation, pattern, uncertainty and generality. The course provides students with the opportunity to explore mathematical problems through observation, reflection and reasoning. Through the study of Mathematics Advanced 11–12, students: <ul style="list-style-type: none"> • develop knowledge, understanding and skills in Working mathematically and communicating concisely and precisely • consider various applications of mathematics in a broad range of contemporary contexts through mathematical modelling • gain an appropriate mathematical background for future pathways which involve mathematics and its applications at the tertiary level. 	
Content:	
Preliminary	HSC
<ul style="list-style-type: none"> • Working with Functions • Trigonometry and Measure of Angles • Trigonometric identities and equations • Exponential and Logarithmic Functions • Graph Transformations • Probability and Data 	<ul style="list-style-type: none"> • Further Graph Transformations and Modelling • Sequences and Series • Differential Calculus • Applications of Calculus • Random Variables • Financial Mathematics

Mathematics Extension 1	
1 units of each for Preliminary (60 hrs) and HSC (60 hrs)	
Exclusions: Mathematics (Standard)	
Prerequisites: Mathematics Advanced	
Course Description: Mathematics Extension 1 focuses on the development of student's mathematical arguments and proofs, and use of mathematical models. The course allows students to develop a thorough knowledge and understanding of and competence in further aspects of mathematics as an extension of the Mathematics Advanced 11–12 course. Through the study of Mathematics Extension 1, students: <ul style="list-style-type: none"> • develop thorough knowledge, understanding and skills in Working mathematically and in communicating concisely and precisely • develop rigorous mathematical arguments and proofs, and use mathematical models extensively • develop awareness of the interconnected nature of mathematics, its beauty and its functionality • gain an appropriate mathematical background for future pathways that may involve mathematics and its applications. 	
Content:	
Preliminary	HSC
<ul style="list-style-type: none"> • Further Work with Functions • Polynomials • Further Trigonometry • Permutations and Combinations • The Binomial Theorem 	<ul style="list-style-type: none"> • Proof by Mathematical Induction • Introduction to Vectors • Inverse Trigonometric Functions • Further Calculus Skill • Further Applications of Calculus • The Binomial Distribution and Sampling Distribution of the Mean

Mathematics Extension 2	
HSC (120 hrs)	
Exclusions: Mathematics (Standard)	
Prerequisites: Advanced Mathematics, Extension 1 Mathematics	
Course Description: Mathematics Extension 2 focuses on key ideas of algebra and calculus and appreciation of mathematical invention, intuition and exploration. Mathematics Extension 2 extends students' conceptual knowledge and understanding through exploration of new areas of mathematics not covered in Mathematics Advanced and Mathematics Extension 1. Through the study of Mathematics Extension 2, students: <ul style="list-style-type: none"> • develop strong knowledge, understanding and skills in Working mathematically and in communicating concisely and precisely • acquire knowledge, understanding and skills in relation to mathematical concepts that have applications in an increasing number of contexts • gain an appropriate mathematical background for future pathways which are founded in mathematics and its applications. 	
Content:	
HSC only	
<ul style="list-style-type: none"> • The Nature of Proof • Further Work with Vectors • Introduction to Complex Numbers • Further Integration • Application of Calculus to Mechanics 	

Assessment for Stage 6 Courses	
Preliminary	HSC
3 assessment tasks, including: a formal written examination a weighting for any individual task of 20% to 40%.	4 assessment tasks, including: a formal written examination a weighting for any individual task of 10% to 40%.
Assessment for Stage 6 will follow NESA's mandatory components and weightings	
Course Component	Weighting %
Knowledge and Understanding of Course Content	50
Skills in Working Mathematically	50

Community & Family Studies

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description:

Community and Family Studies is designed to develop in each student an understanding of the diverse nature and interdependence of families and communities, within Australian society. The course enables students to plan and manage resources effectively in order to address contemporary issues facing families and communities.

Main Topics Covered:

1. Preliminary Course

- Resource Management - Basic concepts of the resource management process (approximately 20% of course time).
- Individuals and Groups - The individual's roles, relationships and tasks within groups (approximately 40% of course time).
- Families and Communities - Family structures and functions and the interaction between family and community (approximately 40% of course time).

2. HSC Course

- Research Methodology - Research methodology and skills culminating in the production of an Independent Research Project (approximately 25% of course time).
- Groups in Context - The characteristics and needs of specific community groups (approximately 25% of course time).
- - Parenting and Caring Issues facing individuals and groups who adopt roles of parenting and caring in contemporary society (approximately 25% of course time).

PLUS ONE HSC Option Modules (approximately 25% of course time):

- Family and Societal Interactions - Government and community structures that support and protect family members throughout their lifespan.
- Social Impact of Technology - The impact of evolving technologies on individuals and lifestyle.
- Individuals and Work - Contemporary issues confronting individuals as they manage roles within both their family and work environments.

Particular Course Requirements:

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

Component	Weighting %
Knowledge and understanding of course content	40
Skills in critical thinking, research methodology, analysing and communicating	60
	100

Exploring Early Childhood

2 units Content Endorsed Course (Non ATAR) for Preliminary (120hrs) and HSC (120hrs)

Course description

Our society is increasingly recognising that children's experiences in the early childhood years form the foundation for future growth, development and learning.

This course explores issues within an early childhood context and considers these in relation to the students themselves, their family and the community.

What students learn

Through the study of Exploring Early Childhood, students learn to develop:

- knowledge and understanding about the physical, social-emotional, behavioural, cognitive and language development of young children
- knowledge and understanding about the environmental factors that have an impact on young children's growth and development
- knowledge and understanding about the development and maintenance of positive behaviours and relationships with young children
- skills in communication and interaction, research and analysis and decision-making and evaluation
- respect for the individuality and uniqueness of young children and their families
- an appreciation of the value and importance of supportive and responsible relationships with young children.

Course requirements

The course comprises a compulsory common core and optional modules. The core comprises 45 indicative hours of study. Fourteen optional modules are included in this course.

The time allocated to each optional module is flexible within the range of 15–30 hours depending on the number of units for the course and the way in which the course is delivered.

The table below explains the requirements for the 1 unit or 2-unit course, depending on the way in which the course is delivered.

Course	Hours	Preliminary/HSC	45 hours Core
1 unit/1 year	60	60 hours Preliminary OR 60 hours HSC	Yes
1 unit/2 years	120	60 hours Preliminary PLUS 60 hours HSC	Yes
2 units/1 year	120	120 hours Preliminary OR 120 hours HSC	Yes
2 units/2 years	240	120 hours Preliminary PLUS 120 hours HSC	Yes

Core studies

The core studies are compulsory. There are three parts to the core:

Part A: Pregnancy and Childbirth (15 hrs)

Part B: Child Growth and Development (20 hrs)

Part C: Promoting Positive Behaviour (10 hrs)

Modules

The optional modules can each occupy 15-30 hours (indicative time) of study, depending on student interest, teacher expertise, available resources and intended depth of treatment.

The following optional course modules are included in this document:

1. Learning Experiences for Young Children
2. Play and the Developing Child
3. Starting School
4. Gender and Young Children
5. Children and Change
6. Children of Aboriginal and Torres Strait Islander Communities
7. Historical and Cultural Contexts of Childhood
8. The Children's Services Industry
9. Young Children and Media
10. Young Children and the Law
11. Children's Literature
12. Food and Nutrition
13. Child Health and Safety
14. Young Children with Special Needs

Assessment Components, Weightings and Tasks

The components and weightings to be used by schools are detailed below. The allocation of weighting to particular tasks is left to the individual schools, but the percentage allocated to each assessment component (50% each) must be maintained.

There should be a balance between the assessment of:

- knowledge and understanding outcomes and course content and
- skills outcomes and content as follows:

Component	Weighting (%)
Knowledge and Understanding	50
Skills	50

Health and Movement Science

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description:

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

The course provides opportunities to explore areas of interest in greater depth and apply health and movement concepts to various contexts and groups. To equip students to navigate the dynamic nature of health and movement, emphasis is given to developing skills of collaboration, analysis, communication, creative thinking, problem-solving and research.

Main Topics Covered:

The Year 11 course comprises 4 components. Students are required to study all 4 components of the course.

Health and Movement Science	Indicative hours
Health for individuals and communities	40
The body and mind in motion	40
Collaborative Investigation	20
Depth studies (a minimum of 2)	20

The Year 12 course comprises 3 components. Students are required to study all 3 components of the course.

Health and Movement Science	Indicative hours
Health in an Australian and global context	45
Training for improved performance	45
Depth studies (a minimum of 2)	30



Health and Movement Science 11–12

Focus on educative purpose, take a strengths-based approach, value movement, develop health literacy and include a critical inquiry approach

Year 11

Health for individuals
and communities

The body and mind
in motion

Collaborative Investigation

Depth studies

Year 12

Health in an Australian
and global context

Training for
improved performance

Depth studies

Collaboration, analysis, communication,
creative thinking, problem-solving, research

Preliminary and HSC Course Assessment Components and Weightings

The components and weightings for Year 11 and Year 12 are mandatory.

Component	Weighting %
Knowledge and understanding of course content	40
Skills in analysis, communication, creative thinking, problem-solving and research	60

Sport Lifestyle and Recreation 1 Unit (SLR)

1 unit Content Endorsed Course (Non ATAR) for Preliminary (60hrs) HSC (60hrs)

Course Description:

The Sport, Lifestyle and Recreation course comprises of 15 optional modules. There is no prescribed core component. A selection from the modules below are utilised to develop programs that respond to student needs and interests.

The Sport, Lifestyle and Recreation Content Endorsed Course Stage 6 provides a context within which to develop general competencies considered essential for the acquisition of effective, higher-order thinking skills necessary for further education, work and everyday life.

The following key competencies are embedded into the Sport, Lifestyle and Recreation course to enhance student learning:

- collecting, analysing and organising information
- communicating ideas and information
- planning and organising activities
- working with others and in teams
- using mathematical ideas and techniques
- using technology
- solving problems

Units and Years of Study	Hours	Preliminary / HSC	Number of Modules
1 unit / 1 years	60	60 hours Preliminary	2–3

3-6 Modules are covered from the list below

- The modules in Sport, Lifestyle and Recreation are:
- Aquatics
- Athletics
- Dance
- First Aid and Sports Injuries
- Fitness
- Games and Sports Applications I
- Games and Sports Applications II
- Gymnastics
- Healthy Lifestyle
- Individual Games and Sports Applications
- Outdoor Recreation
- Resistance Training
- Social Perspectives of Games and Sports
- Sports Administration
- Sports Coaching and Training

Assessment Components, Weightings and Tasks

There is no external examination of students in Stage 6 Content Endorsed Courses. Assessment provides a measure of a student's achievement based on the range of syllabus content and outcomes.

One task may be used to assess several components. Two to three tasks are sufficient to assess the HSC course outcomes for a one-unit course.

There is a balance between the assessment of:

- knowledge and understanding outcomes and course content and
- skills outcomes and content, as follows:

Component	Weighting (%)
Knowledge and Understanding	50%
Skills	50%

Sport Lifestyle and Recreation 2 Unit (SLR)

2 unit Content Endorsed Course (Non ATAR) for Preliminary (120hrs) and HSC (120hrs)

Course Description:

The Sport, Lifestyle and Recreation Course comprises of 15 optional modules. There is no prescribed core component. A selection from the modules below are utilised to develop programs that respond to student needs and interests.

The Sport, Lifestyle and Recreation Content Endorsed Course Stage 6 provides a context within which to develop general competencies considered essential for the acquisition of effective, higher-order thinking skills necessary for further education, work and everyday life.

The following key competencies are embedded in Sport, Lifestyle and Recreation to enhance student learning:

- collecting, analysing and organising information
- communicating ideas and information
- planning and organising activities
- working with others and in teams
- using mathematical ideas and techniques
- using technology
- solving problems

Units and Years of Study	Hours	Preliminary / HSC	Number of Modules
2 units / 2 years	240	120 hours Preliminary plus 120 hours HSC	6–12

6-12 Modules are covered from the list below

The modules in Sport, Lifestyle and Recreation are:

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

Assessment Components, Weightings and Tasks

There is no external examination of students in Stage 6 Content Endorsed Courses. Assessment provides a measure of a student's achievement based on the range of syllabus content and outcomes.

One task may be used to assess several components. Three to five tasks are sufficient to assess the HSC course outcomes for a two-unit course.

There is a balance between the assessment of:

- knowledge and understanding outcomes and course content and
- skills outcomes and content, as follows:

Component	Weighting (%)
Knowledge and Understanding	50%
Skills	50%

Design and Technology

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

Design and Technology Stage 6 is designed to develop students' confidence, competence and responsibility in designing, producing and evaluating to meet both needs and opportunities, and to understand the factors that contribute to successful design and production.

Main Topics Covered:

Preliminary Course

The Preliminary course is 120 indicative hours and will involve a minimum of two design projects. The projects will develop skills and knowledge to be further developed in the HSC course. Each project will place emphasis on the development of different skills and knowledge in designing and producing.

Students must participate in hands-on, practical activities to achieve the outcomes of this course. Class activities should be designed to develop knowledge and skills in designing and producing. Students should develop their knowledge of the activities within industrial and commercial settings which support design and technology and relate these processes to the processes used in their own designing and producing.

Design projects must involve the design, production and evaluation of a product, system or environment that includes evidence of design processes recorded in a design folio, which may be in a variety of different forms. Students should be encouraged to communicate their design ideas using a range of appropriate media.

HSC Course

The HSC course is 120 indicative hours and includes the development and realisation of the Major Design Project, a case study of an innovation and other teaching and learning activities. The comprehensive study of design and the processes of designing and producing that were studied in the Preliminary course are synthesised and applied.

The Major Design Project involves students selecting and applying appropriate design, production and evaluation skills to a product, system or environment which satisfies an identified need or opportunity. Students have developed a wide range of skills and knowledge in the Preliminary course and in the HSC course are able to select and use those skills and knowledge appropriate to their selected project. The students relate the techniques and technologies used in industrial and commercial settings to those used in the development of design projects.

The case study involves the critical analysis of an innovation. By conducting a detailed case study of an innovation, students will be able to identify the factors underlying the success of the innovation; analyse ethical issues in relation to the innovation; and discuss the impact of the innovation on Australian society. They may also be able to apply processes similarly in the exploration and development of the major design project.

Particular Course Requirements

In the Preliminary course, each of the content areas should be introduced and given appropriate emphasis through teaching and learning activities and a minimum of two design projects.

In the HSC course, each of the content areas is addressed through the Major Design Project, case study and through other teaching and learning activities.

Component	Weighting %
Knowledge and understanding of course content	40
Knowledge and skills in designing, managing, producing and evaluating (a major) design project(s)	60
	100

Food Technology

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description:

The Preliminary course will develop knowledge and understanding about food nutrients and diets for optimum nutrition, the functional properties of food, safe preparation, presentation and storage of food, sensory characteristics of food, the influences on food availability and factors affecting food selection. Practical skills in planning, preparing and presenting food are integrated throughout the content areas.

The HSC course involves the study of: sectors, aspects, policies and legislations of the Australian Food Industry; production, processing, preserving, packaging, storage and distribution of food; factors impacting, reasons, types, steps and marketing of food product development; nutrition incorporating diet and health in Australia and influences on nutritional status. Practical experiences in developing, preparing, experimenting and presenting food are integrated throughout the course.

Main Topics Covered:

Preliminary Course

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

HSC Course

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

Particular Course Requirements

There is no prerequisite study for the 2 unit Preliminary course. Completion of the 2 unit Preliminary course is a prerequisite to the study of the 2 unit HSC course. **It is mandatory that students undertake practical activities.**

Component	Weighting %
Knowledge and understanding of course content	40
Knowledge and skills in designing, researching, analysing and evaluating	30
Skills in experimenting with and preparing food by applying theoretical concepts	30
	100

Engineering Studies

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Desired Prerequisite: 2 Unit Mathematics and/or Extension Mathematics

Course Description:

Both Preliminary and HSC courses offer students knowledge, understanding and skills in aspects of engineering that include communication, engineering mechanics/hydraulics, engineering materials, historical/societal influences, engineering electricity/electronics, and the scope of the profession. Students study engineering by investigating and applying a range of applications and fields of engineering.

Main Topics Covered:

Preliminary Course

Students undertake the study of 4 compulsory modules:

- three application modules based on engineering concepts and impacts through the study of engineering products. Engineering concepts and impacts are studied in each of the following categories: Engineering Fundamentals, Engineering Products and Braking Systems
- one focus module relating to the field of Biomedical engineering.

HSC Course

Students undertake the study of 4 compulsory modules:

- two application modules relating to the fields of Civil Structures and Personal and Public Transport
- two focus modules relating to the fields of Aeronautical Engineering and Telecommunications Engineering.

Particular Course Requirements:

Preliminary Course

Students are required to produce a component of an engineering report in Engineering application module 3, Braking systems, and then a complete engineering report in Engineering focus module 4, Biomedical engineering.

HSC Course

Students are required to produce **one** engineering report from either of the two engineering application modules, and **one** from either of the two engineering focus modules.

One engineering report from the Preliminary course and one engineering report from the HSC course must be the result of collaborative work, reflecting the importance of teamwork for successful engineering projects.

Component	Weighting %
Knowledge and understanding of course content	60
Knowledge and skills in research, problems solving and communication related to engineering practice	40
	100

Enterprise Computing

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Desired Prerequisite: 2 Unit Mathematics and/or Extension Mathematics

Exclusions: Computing Technology Life Skills; Technology Life Skills (Where Computing Technology is undertaken within the course)

Course Description:

The aim of Enterprise Computing is to develop each student's capacity to:

- think creatively, devise solutions and communicate information to a range of audiences using a variety of computing resources
- apply computing technologies and systems thinking to data analysis
- solve (or improve) enterprise challenges, such as those relating to social, commercial or industrial issues.

Main Topics Covered:

Preliminary Course

The Year 11 course provides students with the opportunity to develop and apply an understanding of enterprise computing systems in the safe and secure usage and storage of data. This is done by manipulating tools and resources while being aware of their social, ethical and legal implications.

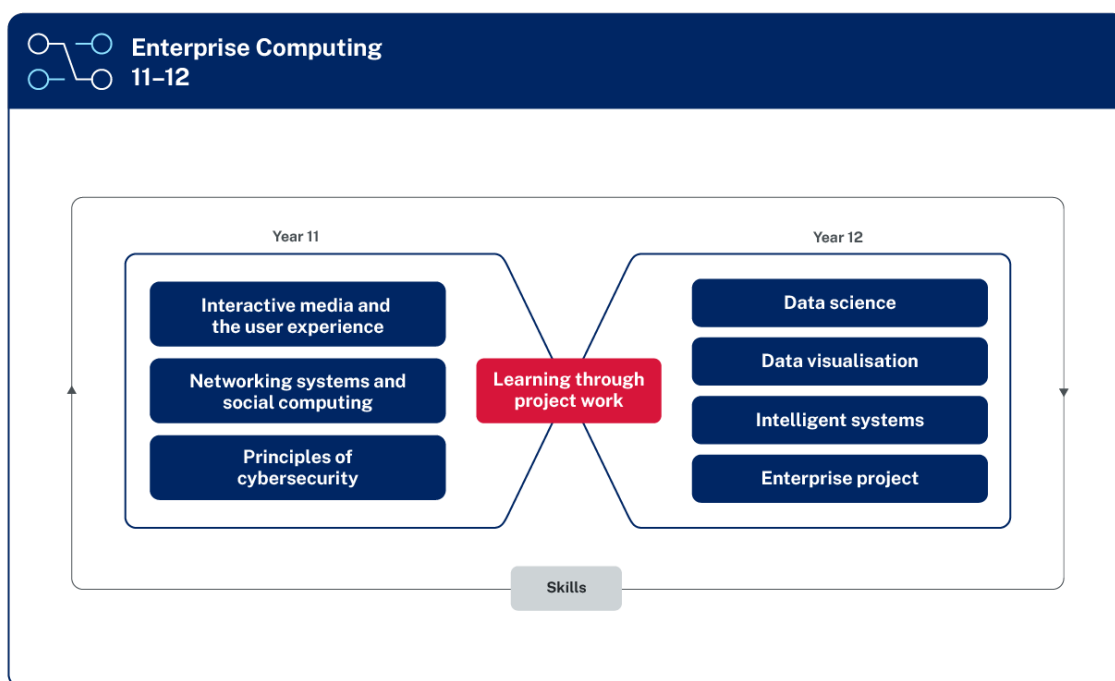
- Interactive Media and the User Experience
- Networking Systems and Social Computing
- Principles of Cybersecurity

HSC Course

The Year 12 course provides students with the opportunity to extend their knowledge and understanding of enterprise computing systems. This will then be applied to the development of a major enterprise project using project management skills.

- Data Science
- Data Visualisation
- Intelligent Systems
- Enterprise Project

Particular Course Requirements:



Component	Weighting %
Knowledge and understanding of course content	50
Knowledge and skills in the practical application of content	50
	100

Industrial Technology - Timber or Graphics

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Only one focus area can be chosen by each student.

Course Description

Industrial Technology at Stage 6 will develop a student's knowledge and understanding of a selected industry and its related technologies, highlighting the importance of design, management, communication and production through practical experiences.

Industrial Technology Stage 6 consists of project work and an industry study that will develop a broad range of skills and knowledge related to the focus area chosen for the course. The Focus Areas include: Automotive Technologies; Electronics Technologies; **Graphics Technologies; Metal and Engineering Technologies; Multimedia Technologies; Timber Products and Furniture Technologies.**

Main Topics Covered:

Preliminary Course

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

- Industry Study – structural, technical, environmental and sociological factors, personnel issues, Occupational Health and Safety (15%)
- Design – elements and principles, types of design, quality, influences affecting design (10%)
- Management and Communication – development of practical projects; research, analysis and evaluation; skills in managing a project and developing and presenting a management folio; computer based technologies (20%)
- Production – display a range of skills through the construction of a number of projects (40%)
- Industry Related Manufacturing Technology – understanding of a range of materials, processes, tools and equipment, machinery and technologies (15%)

HSC Course

The following sections are taught in relation to the relevant focus area through the development of a Major Project (60%) and a study of the relevant industry:

- Industry Study (15%)
- Major Project (60%) - Design, Management, Communication and Production
- Industry Related Manufacturing Technology (25%)

Particular Course Requirements

In the Preliminary course, students must design, develop and construct a number of projects. Each project will include a management folio. Each project may emphasise different areas of the preliminary course content. Students also undertake the study of an individual business within a focus area industry.

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

Component	Weighting %
Knowledge and understanding of course content	40
Knowledge and skills in the design, management, communication and production of projects (a Major Project – HSC)	60
	100

Software Engineering

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Computing Technology Life Skills

Course Description

The aim of Software Engineering is to develop in each student:

- a capacity to think creatively to develop and program software solutions
- an ability to apply knowledge, understanding and thinking skills to develop and communicate solutions to real-world problems.

Main Topics Covered:

Preliminary Course

The Year 11 course provides students with opportunities to develop and apply an understanding of the fundamental elements involved in creating software.

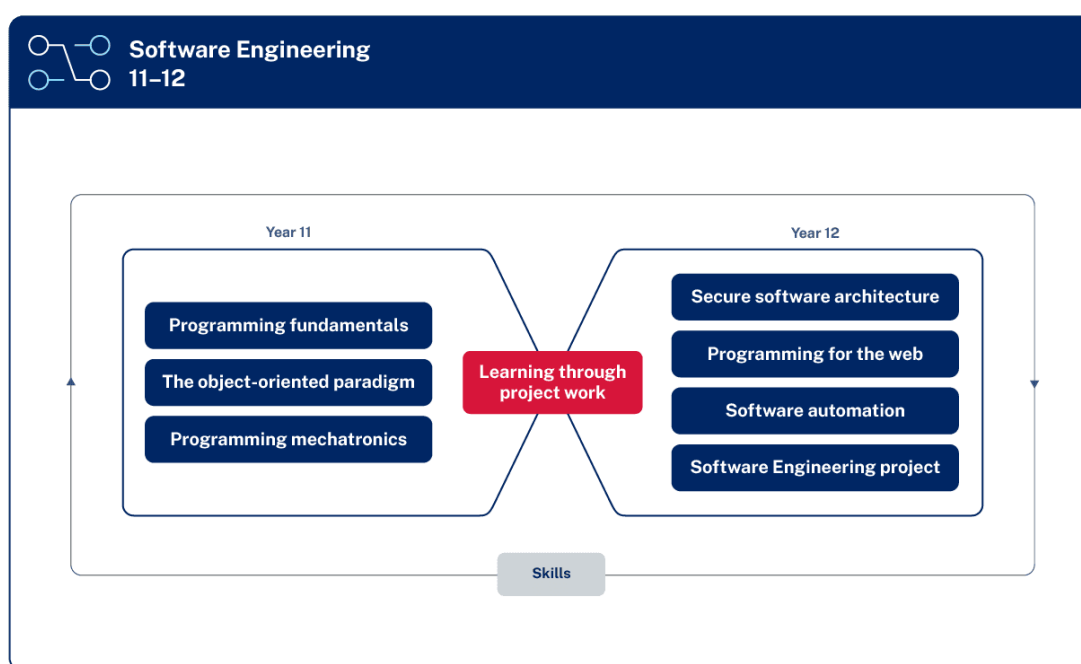
- Programming Fundamentals
- The Object-Oriented Paradigm
- Programming Mechatronics

HSC Course

The Year 12 course provides students with opportunities to extend their knowledge, understanding and skills in the development of software. A major software engineering project provides students with the opportunity to further develop project management skills.

- Secure Software Architecture
- Programming for the Web
- Software Automation
- Software Engineering Project

Particular Course Requirements



Component	Weighting %
Knowledge and understanding of course content	50
Knowledge and skills in the practical application of the content	50
	100

Textiles & Design

2 units for each of 2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description

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

Main Topics Covered:

Preliminary Course

The Preliminary course involves the study of design, communication techniques, manufacturing methods, fibres, yarns, fabrics and the Australian Textile, Clothing, Footwear and Allied Industries. Practical experiences, experimenting and product manufacturing are integrated throughout the content areas and include the completion of two preliminary textile projects. These projects develop each student's creative abilities and skills in designing, manipulating, experimenting and selecting appropriate fabrics for an end use.

HSC Course

The HSC course builds upon the Preliminary course and involves the study of fabric colouration and decoration, historical design development, cultural factors that influence design and designers, contemporary designers, end-use applications of textiles, innovations and emerging textile technologies, appropriate textile technology and environmental sustainability, current issues and the marketplace.

This course involves the development of a Major Textiles Project, worth 50% of the HSC mark. The project is selected from one of the five focus areas and enables students to explore an area of interest. The project has two components: the supporting documentation and textile item(s).

Particular Course Requirements

In the Preliminary course students will undertake two preliminary textile projects. Preliminary Project 1 is drawn from the area of study of Design and focuses on the generation and communication of ideas, design modification, manipulative skills, evaluation of ideas and of the project, and management of time and resources. Preliminary Project 2 is drawn from the area of study of Properties and Performance of Textiles and focuses on an analysis of fabric, yarn and fibre properties, experimental procedures, product design, fabric choice, manipulative and management skills, communication methods and the recording of information.

In the HSC course, the Major Textiles Project allows students to develop a textile project from one of the following focus areas: apparel, furnishings, costume, textile arts, non-apparel. The selected focus area allows students to explore in detail one area of interest through a creative textile design process that integrates the areas of Design, Properties and Performance of Textiles and the Australian Textile, Clothing, Footwear and Allied Industries.

Component	Weighting %
Knowledge and understanding of course content	50
Skills and knowledge in the design, manufacture and management of a major textiles project	50
	100

Biology	
2 units for each of Preliminary (120hrs) and HSC (120hrs)	
Exclusions: Students may pick a maximum of 6 units in science in year 11 or 7 units in year 12 (including <i>Science Extension</i>)	
Course Rationale: 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. 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. 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. 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. 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.	
Year 11 <ul style="list-style-type: none"> • Cells as the Basis of Life • Organisation of Living Things • Biological Diversity • Ecosystem Dynamics 	Year 12 <ul style="list-style-type: none"> • Heredity • Genetic Change • Infectious Disease • Non-infectious Disease and Disorders
Particular Course Requirements: The Preliminary course includes a field study related to local terrestrial and aquatic environments.	
Course Costs: \$30 Laboratory Fee	

Assessment

There will be three assessment tasks in Year 11 and Year 12.

- | | |
|-------------------------------------------------|-----|
| • Skills in working scientifically | 60% |
| • Knowledge and understanding of course content | 40% |

15 hours of class time is devoted to a Depth Study

Chemistry

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Students may pick a maximum of 6 units in science in year 11 or 7 units in year 12 (including *Science Extension*)

Course Rationale:

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.

Year 11

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

Year 12

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

Particular Course Requirements:

**Course Costs: \$30 Laboratory Fee Year 11
\$40 Laboratory Fee Year 12**

Assessment

There will be three assessment tasks in Year 11 and Year 12.

- | | |
|-------------------------------------------------|-----|
| • Skills in working scientifically | 60% |
| • Knowledge and understanding of course content | 40% |

15 hours of class time is devoted to a Depth Study

Earth and Environmental Science

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Students may pick a maximum of 6 units in science in year 11 or 7 units in year 12 (including *Science Extension*)

Course Rationale:

The Earth and Environmental Science Stage 6 Syllabus explores the Earth's renewable and nonrenewable resources and also environmental issues. An understanding of the Earth's resources and the ability to live sustainably on the planet is a central purpose of the study of Earth and Environmental Science. The course uses the Working Scientifically skills to develop knowledge through the application of those skills. Students engage with inquiry questions to explore knowledge of the Earth. They also undertake practical and secondary-sourced investigations to acquire a deeper understanding of the Earth's features and naturally occurring phenomena and cycles. Fieldwork is an integral part of these investigation processes. Earth and Environmental Science involves the analysis, processing and evaluation of qualitative and quantitative data in order to formulate explanations and solve problems. In conjunction with knowledge and understanding, communication skills are essential in forming evidence-based conclusions or arguments. The Earth and Environmental Science course builds on the knowledge and skills of Earth and Space gained in the Science Stage 5 course. The course maintains a practical emphasis in the delivery of the course content, and engages with technologies that assist in developing earth and environmental science applications. The course provides the foundation knowledge and skills required to study earth and environmental science after completing school, and supports participation in careers in a range of related industries. The application of earth and environmental science is essential in addressing current and future environmental issues and challenges. It is also necessary for the use and management of geological resources that are important to Australia's sustainable future.

Year 11

- Earth's Resources
- Plate Tectonics
- Energy Transformations
- Human Impacts

Year 12

- Earth's Processes
- Hazards
- Climate Science
- Resource Management

Particular Course Requirements:

The Preliminary course includes a field study related to local terrestrial and aquatic environments.

Course Costs: \$15 Laboratory Fee

Assessment

There will be three assessment tasks in Year 11 and Year 12.

- | | |
|-------------------------------------------------|-----|
| • Skills in working scientifically | 60% |
| • Knowledge and understanding of course content | 40% |

15 hours of class time is devoted to a Depth Study

Investigating Science

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Students may pick a maximum of 6 units in science in year 11 or 7 units in year 12 (including **Science Extension**)

Course Rationale:

The Investigating Science Stage 6 Syllabus is designed to assist students of all abilities engage with scientific processes, and apply those processes to investigate relevant personal, community and global scientific issues. The ongoing study of science and the specific Working Scientifically skills processes and their application have led humans to accumulate an evidence-based body of knowledge about human interactions – past, present and future – with the world and its galactic neighbourhood. The course is firmly focused on developing the Working Scientifically skills, as they provide a foundation for students to value investigation, solve problems, develop and communicate evidence-based arguments, and make informed decisions. The course promotes active inquiry and explores key concepts, models and phenomena. It draws and builds on the knowledge, understanding, skills, values and attitudes gained in Science Stage 5. The Stage 6 course is designed to enhance students' understanding of the value of evidence-based investigations and the use of science-based inquiry in their lives. The Investigating Science course is designed to complement the study of the science disciplines by providing additional opportunities for students to investigate and develop an understanding of scientific concepts, their current and future uses, and their impacts on science and society. The course draws on and promotes interdisciplinary science, by allowing students to investigate a wide range of STEM (Science, Technology, Engineering and Mathematics) related issues and concepts in depth. Investigating Science encourages the development of a range of capabilities and capacities that enhance a student's ability to participate in all aspects of community life and within a fast-changing technological landscape. The knowledge, understanding and skills gained from this course are intended to support students' ongoing engagement with science, and to form the foundation for further studies and participation in current and emerging STEM-related post-school activities and industries.

Year 11

- Cause and Effect – Observing
- Cause and Effect – Inferences and Generalisations
- Scientific Models
- Theories and Laws

Year 12

- Scientific Investigations
- Technologies
- Fact or Fallacy?
- Science and Society

Particular Course Requirements:

Course Costs: \$15 Laboratory Fee

Assessment

There will be three assessment tasks in Year 11 and Year 12.

- | | |
|-------------------------------------------------|-----|
| • Skills in working scientifically | 60% |
| • Knowledge and understanding of course content | 40% |

30 hours of class time is devoted to a Depth Study

Physics

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Exclusions: Students may pick a maximum of 6 units in science in year 11 or 7 units in year 12 (including *Science Extension*)

Course Rationale:

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.

Year 11

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

Year 12

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

Particular Course Requirements:

Course Costs: \$15 Laboratory Fee

Assessment

There will be three assessment tasks in Year 11 and Year 12.

- | | |
|-------------------------------------------------|-----|
| • Skills in working scientifically | 60% |
| • Knowledge and understanding of course content | 40% |

15 hours of class time is devoted to a Depth Study

Science Extension (Year 12 only)

1 units the HSC (60hrs)

Exclusions: Students may pick a maximum of 7units (including *Extension Science*) in Year 12

Course Rationale:

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. Students are challenged to examine a scientific research question influenced by their study of one or more of the scientific disciplines. In doing this, students extend their knowledge of the discipline(s), conduct further analysis and authentic scientific 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 datasets, students deepen and build upon their understanding of analysing and interpreting data. They are provided with opportunities to refine and extend their skills of Working Scientifically by applying these interrelated processes to contemporary authentic scientific research reflecting the skills used by practising research scientists. Students gather, examine, model and critically assess evidence that is informed by analysis of primary and secondary-sourced data and examining this data in relation to relevant publicly available data sets. Students interrogate and refine their ideas of and about science through analysing historic and cultural observations and significant scientific research within the relevant ethical frameworks and philosophical arguments of the time. Science Extension is designed for students with an interest in scientific research. The course lays a foundation for students planning to pursue further study in Science, Technology Engineering or Mathematics (STEM) based courses offered at the tertiary level, and to engage in new and emerging industries.

Year 12

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

Particular Course Requirements:

Course Costs: No Laboratory Fee

Assessment

There will be three assessment tasks including the **Mandatory Scientific Research Report and Portfolio**.

- | | |
|-------------------------------------------------|-----|
| • Skills in working scientifically | 60% |
| • Knowledge and understanding of course content | 40% |

Vocational Education and Training (VET) Courses

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

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

Public Schools NSW, Ultimo is accredited as a Registered Training Organisation (RTO 90072) to deliver and assess VET qualifications to secondary students.

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

Assessment in all VET courses is competency based. The student is assessed on what they can do (the skills) and what they know (the knowledge) that will equip them in the workplace. Students are either deemed "competent" or "not yet competent" by the teacher. Students who have successfully achieved competency will have the skills and knowledge to complete workplace activities in a range of different situations and environments, to an industry standard of performance expected in the workplace.

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

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



2026 Hospitality Course Descriptor
SIT20322 Certificate II in Hospitality – Release 1
RTO - Department of Education - 90333, 90222, 90072, 90162

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

Course: **Hospitality**
 Board Developed Course (240 hour)

2 or 4 Preliminary and/or HSC units in total
 Industry Curriculum Framework (ICF)
 Australian Tertiary Admission Rank (ATAR) eligible course

By enrolling in this VET qualification with Public Schools NSW RTOs, you are choosing to participate in a program of study which will provide you a pathway towards HSC accreditation and a nationally recognised qualification (dual accreditation). To receive this VET qualification, you must meet the assessment requirements of SIT20322 Certificate II in Hospitality – Release 1 <https://training.gov.au/training/details/SIT20322>. You will be expected to complete all requirements relevant to the HSC and adhere to the requirements of NESA. To gain this full qualification, you must achieve 12 units of competency. A statement of attainment towards the qualification is possible if at least one unit of competency is achieved.

Entry Requirements

You must complete the VET enrolment process, supplying your USI and be assessed for learning support (eg LLN Robot) before the commencement of any training and assessment. HSC: All My Own Work must be completed before enrolling in this qualification. When selecting this course you should be interested in working in a hospitality environment and be able to use a personal digital device including a personal computer or laptop.

Tourism, Travel and Hospitality Training Package (SIT 2.1) Units of Competency

Core

BSBTWK201 Work effectively with others
 SITHIND007 Use hospitality skills effectively
 SITHIND006 Source and use information on the hospitality industry
 SITXCOM007 Show social and cultural sensitivity
 SITXWHS005 Participate in safe work practices
 SITXCCS011 Interact with customers

Elective

SITXFSA005 Use hygienic practices for food safety
 SITHCCC025 Prepare and present sandwiches
 SITXFSA006 Participate in safe food handling practices
 SITHFAB024 Prepare and serve non-alcoholic beverages
 SITHFAB025 Prepare and serve espresso coffee
 SITHFAB027 Serve food and beverages

Students may apply for Recognition of Prior Learning (RPL) and /or credit transfer before delivery, provided suitable evidence is submitted.

Pathways to Industry - Skills gained in this course transfer to other occupations

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Working within the hospitality industry involves organising information and records in both paper and electronic forms customer (client) service | <ul style="list-style-type: none"> teamwork using technologies creating documents |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|

Examples of occupations in the hospitality industry:

- | | | |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Café Attendant Waiter/Waitress | <ul style="list-style-type: none"> Catering Assistant Barista | <ul style="list-style-type: none"> Food and Beverage Attendant Bartender |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|

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. You should be work ready before work placement.

External Assessment (optional HSC examination for ATAR purposes)

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

Competency-Based Assessment

In this course you will work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent you must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the unit of competency.

Appeals and Complaints

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

Course Cost: Preliminary - \$150.00 HSC - \$150.00

School Specific equipment and associated requirements for students

Refunds

Refund arrangements are on a pro-rata basis.
 Please refer to your school refund policy

A school-based traineeship is available in this course. For more information: <https://education.nsw.gov.au/public-schools/career-and-study-pathways/school-based-apprenticeships-and-traineeships>

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>

2024 Course Descriptor SIT20322 Certificate II in Hospitality – Release 1 RTO - Department of Education - 90333, 90222, 90072, 90162 Version 0.3

Disclaimer: If you require accessible documents, please contact your VET Coordinator for support

School Delivered VET courses



Hospitality - Food and Beverage

This course focuses on 'front of house' and will give you the skills to prepare a restaurant, serve customers, prepare beverages, and apply the principles of hygiene and food safety.

Is this course right for me?

This course prepares you to work in a range of hospitality settings, such as restaurants, cafes, bistros and hotels to provide hospitality service using operational skills and basic industry knowledge.

Where can this course take me?

This course provides a pathway to work in; restaurants, hotels, catering operations, clubs, pubs, cafes, coffee shops. Institutions such as; aged care facilities, hospitals, prisons, schools.

This course can lead to further study in courses such as: SIT30622 Certificate III in Hospitality and SIT60422 Diploma in Hospitality Management.

Subjects that support this career path

- Food Technology
- Business Studies
- Business Services
- Retail Services

Credential available	Full Certificate
Course code/name	SIT20322 Certificate II in Hospitality
ATAR eligible	Yes
Mandatory placement hours	70 hours
SBAT available	Yes
Specialisation required for full qualification	No



For more information contact your VET Coordinator / Careers Adviser, or visit our Internet site:
www.education.nsw.gov.au/school-delivered-vet

Work Studies

2 units for each of Preliminary (120hrs) and HSC (120hrs)

Course Description:

Work in all its forms – paid and unpaid – plays a central role in our lives. Technological, social and economic factors are rapidly changing the nature of work, the traditional patterns of work organisation and how individuals engage in work. The successful transition of students from school to the workforce and further education and training is essential for individuals and for society. Individuals will need to be flexible and responsive to change along their career pathway. Opportunities for workers to change jobs, develop new skills and to obtain new experiences will be part of the future world of work.

The Work Studies CEC syllabus is designed to assist students in their transition from school to work. It develops knowledge and understanding of the issues faced by students in the transition to work and the skills needed for effective career planning and performance of tasks in the work environment. Integral to the Work Studies syllabus is a focus on the development of essential workplace skills. They are central to the core module and each of the elective modules. Students have an opportunity to practise these skills in appropriate work contexts.

The Work Studies course assists students to:

- recognise the links between education, training, work and lifestyle, and to recognise the economic and social factors that affect work opportunities
- develop an understanding of the changing nature of work and the implications for individuals and society
- undertake work placement to allow for the development of specific job-related skills
- acquire general work-related knowledge, skills and attitudes, transferable across different occupations
- develop their skills in accessing work-related information, presenting themselves to potential employers, and functioning effectively in the workplace.

What Students learn:

The Work Studies CEC syllabus is available for study as a 2-unit 240-hour course.

- **Core:** My Working Life
- **Modules:** There are 11 elective modules which explore issues about work and work-related skills. Modules are studied for 15 to 30 hours.

Course Requirements:

Course Costs: Nil