

Preliminary 2022 | HSC 2023



Stage 6 Course Handbook

South Grafton High School

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Online Subject Selection

Subject selection is completed online. You will be allocated a session in a computer room on **Thursday 22nd July** to complete this process. Make sure you have already worked out which courses you will be choosing prior to this date and write them on the sheet at the back of this booklet. Bring the sheet on the day, so that you can enter your choices easily.

The order that you put your courses in is very important. It is not possible to run every course, so the least popular courses may not run. Most courses run on 6 “lines”, meaning courses that are on at the same time in the timetable are on the same line (Extension courses run “offline”, usually before or after school). The software used to generate the lines takes the order of preference into account when working out which courses can run. The course you want to do the most needs to be Preference 1, your second course you want most needs to be Preference 2, and so on.

It is generally not possible for every student to get all of their preferences. If there is a course in your preferences that doesn't run, or two of your preferences clash, you will be allocated a course lower in your preference list that does fit. Once the course lines are generated, if you have gaps in your course list and need to choose something else, you will be interviewed to make a new selection.

Do not choose your subjects until you have engaged in meaningful consultation with your teachers and parents/carers.

There will be a Subject Selection Information Session on **Wednesday 14th July** during Period 4 and 5 for Year 10 students, followed by an evening **Information Session for parents/carers with students from 5:00 – 6:00pm.**

Information about the HSC

General Information

This is your introduction to the HSC and the many options now available. More information is contained in the following NESA websites:

<http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/hsc/about-HSC>

<http://syllabus.nesa.nsw.edu.au>

https://studentsonline.nesa.nsw.edu.au/go/seniorstudy/senior_study_in_NSW/

The Higher School Certificate

The Higher School Certificate is the culmination of your school career and the highest educational award you can achieve at secondary school in New South Wales.

Study for the HSC begins with Year 11 courses, after having completed Year 10. Study for your HSC year will begin in Term 4 of Year 11, meaning you officially start your Year 12 courses in October.

What types of courses can I select?

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

- **Board Developed Courses (BDC)**

These are courses for which NESA develops a syllabus setting out the aims, objectives, outcomes, structure and content. Most Board Developed HSC courses, including the VET framework courses, may contribute to the calculation of the ATAR.

- **Board Developed Life Skills Courses**

Life Skills courses are Board Developed courses that provide an alternative HSC for students with special learning needs. They are not examined externally and do not contribute to an ATAR.

- **Board Developed Vocational Education and Training (VET) Courses**

These VET courses are offered as part of the HSC. They teach skills that are relevant to future study and employment. They allow for both HSC qualifications and Australian Qualifications Framework (AQF) accreditation.

The AQF qualifications are recognised by industry and employers throughout Australia and give students advanced standing in related study at TAFE NSW and private registered providers. You receive documents that report the competencies you have achieved and an AQF Certificate or Statement of Attainment.

VET courses are classified as CATEGORY B courses and only ONE of the VET frameworks will be accepted when calculating the ATAR. Students must study the 240 hour course and undertake the optional written examination to have the course contribute to the ATAR calculation.

- **Board Endorsed Courses (BEC)**

These courses count towards the HSC and are listed on your Record of Achievement. However, these do not count towards the calculation of the ATAR.

Board Endorsed Courses are divided into two categories; however, SGHS only offers the following:

- Content Endorsed Courses – these fall into two categories: general CECs and TAFE-delivered CECs. They have syllabuses endorsed by the Board of Studies to cater for areas of special interest not covered in the Board Developed Courses.

There is no external examination for any Content Endorsed Course, but all Board Endorsed Courses count towards the HSC and appear on your Record of Student Achievement (RoSA).

What are 'units'?

All courses offered for the Higher School Certificate have a unit value. Subjects may have a value of 1 unit or 2 units. Most courses are 2 units.

Each unit involves class time of approximately 2 hours per week (60 hours per year). In the HSC each unit has a value of 50 marks. Hence a 2 unit course has a value of 100 marks.

2 units = 4 hours per week (120 hours per year) = 100 marks

The following is a guideline to help you understand the pattern of courses.

Terminology	
2 Unit Course	This is the basic structure for all courses. It has a value of 100 marks.
1 unit course	1 unit equals approximately 2 hours of class time each week or 60 hours per year.
Extension Course	Extension study is available in a number of subjects. Extension courses build on the content of the 2 unit course and carry an additional value of 1 unit. These require students to work beyond the standard of the 2 unit course.

Requirements for the award of the HSC

If you wish to be awarded the HSC you must:

- satisfactorily complete courses that meet the pattern of study required by NESA for the award of the Higher School Certificate. This includes the completion of the practical, oral or project works required for specific courses and the assessment requirements for each course.
- sit for and make a serious attempt at the Higher School Certificate examinations.
- study a minimum of 12 units in Year 11 and a minimum of 10 units in Year 12.

English is the only compulsory HSC subject.

To be eligible for the award of the HSC you must satisfactorily complete at least:

- 12 units in your Preliminary study pattern (Year 11 – 3 terms)
- 10 units in your HSC pattern. (Year 12 – 4 terms, starting Term 4)

Both study patterns must include:

- At least two units of a Board Developed course in English
- At least six units of Board Developed Courses
- At least three courses of 2 unit value or greater
- At least four subjects

No more than six units of courses in Science can contribute to the 12 Preliminary units.

The Australian Tertiary Admission Rank (ATAR)

The Australian Tertiary Admissions Rank (ATAR) is a number between 0 and 99.95. A student receiving 99.95 is in the top ranked group of students.

It provides a measure of a student's overall academic achievement in Year 12 in relation to their cohort, and it helps institutions rank applicants for selection. In NSW the ATAR is calculated by the universities and released by UAC.

The ATAR is based on an aggregate of scaled marks in 10 units of ATAR-eligible courses, which must include 2 units of English.

It is important to remember that the ATAR is a rank, not a mark. A student's ATAR depends not only on their position in the courses they study, but also on the ability of the other students in those courses, reflected in the course's scaled averages.

Eligibility

To be eligible for ATAR students must satisfactorily complete at least 10 units of ATAR-eligible courses. ATAR-eligible courses are Board Developed courses which have formal NESA examinations. ATAR-eligible courses are categorised as either Category A or Category B courses. (Category B courses are mostly Vocational Education and Training (VET) courses.)

To be eligible for an ATAR students must include at least:

- The best 2 units of English; plus 8 units from Category A courses.
OR
- 8 units of Category A courses (including English) and 2 units of Category B courses (i.e. one Category B subject). Students must complete the HSC exam for the Category B course.

Calculation

The ATAR is based on an aggregate of scaled marks in 10 units of ATAR courses comprising the:

- best 2 units of English and the
- best 8 units from the remaining units. No more than 2 units of Category B courses can be included.

The actual calculation of the ATAR is a complex process that begins with scaling raw HSC marks and ends with ranking the student among their entire cohort.

For further details refer to the University Admission Centre's (UAC) website: <http://www.uac.edu.au/>

Record of School Achievement (RoSA)

The RoSA is a cumulative record of all academic achievement and is designed to record and credential all secondary school students' academic results up until the HSC.

Students receive Grades for NESA courses they complete during Stage 5 (Years 9 and 10) and at the end of the Preliminary course (Year 11). If a student leaves school before receiving a Grade for a Year 11 or 12 course, their RoSA will show all their completed courses, plus those they commenced in Year 11 or 12 but did not yet complete. This ensures that students who leave before the award of an HSC, have a record of their academic achievements and progress.

Choosing your courses

Your aim is to get the best HSC result you can. So, you should choose courses that you are good at, interested in and may use in the future. When considering which courses to study, explore the content of a course. For example, what are the course outcomes? Will you be required to submit a major work or perform as part of your exams? Talk with your teachers about your strengths and weaknesses, as well as individual course requirements, before making your selections.

1

Do I have an interest in the subject matter of the course?

*You will be **motivated to perform your best** when you have a real interest in the course content and have a desire to achieve the course outcomes.*

2

Do I have the assumed knowledge and level of skill recommended to be successful in the course?

Can I cope with the demands of this course? If you are unsure, talk with teachers who know you and have experience teaching that course.

3

Will this course help me prepare for a particular occupation, career path or tertiary program of study?

Summary of courses

✓ Category A (count towards ATAR)	
English Advanced	Geography
English Standard	French Beginners
Mathematics (Advanced)	PDHPE
Mathematics Standard 2	Food Technology
Biology	Textiles Technology
Chemistry	Industrial Technology – Timber Products & Furniture Technologies
Earth & Environmental Science	
Physics	Industrial Technology – Multimedia Tech.
Agriculture	Software Design & Development
Ancient History	Information Processes & Technology
Modern History	Community & Family Studies
Business Studies	Music 1
Legal Studies	Visual Arts
Aboriginal Studies	Dance
English Extension 1	Mathematics Extension 1
English Extension 2	Mathematics Extension 2
History Extension	

✓ Category B (only one of these can count towards an ATAR, if you sit the optional HSC exam)	
Mathematics Standard 1	English Studies
VET Primary Industries	VET Hospitality
VET Construction	VET Information & Digital Technology
Category B Industry Curriculum TVET Courses at Grafton TAFE	
Automotive Cert II (4unit x1yr)	Electrotechnology Cert II (2unit x2yr)
Tourism, Travel & Events Cert III (2unit x1yr)	

✗ Board Endorsed Courses (DO NOT count towards ATAR)	
Marine Studies	Work Studies
Sport, Lifestyle & Recreation	VET Sport Coaching
Exploring Early Childhood	Visual Design
Photography	Manufacturing & Engineering (VET Metals)
Board Endorsed TVET Courses at Grafton TAFE	
Animal Studies Cert II (4U x1yr)	Music Industry Cert III (2U x2yr)
Early Childhood Education Cert III (2U x2yr)	Beauty Services (Makeup) Cert III (4U x1yr)
Hair or Beauty Services (Nail Technology) Cert III (2U x1yr)	

*For more information on TVET courses at TAFE, School-based Traineeships and Apprenticeships - see Mrs Dewberry

Assessment and Reporting

The HSC is based on a standards referenced framework. Student performance is assessed and reported against standards of achievement established for each course. The HSC will provide you with more detailed descriptions of the knowledge, skills and understanding you have attained in each course.

School based assessment tasks constitute 50% of the HSC mark. The other 50% comes from the HSC examination.

The HSC mark for 2 unit courses is reported on a scale of 0 - 100. A mark of 50 represents the minimum standard expected. There are 5 performance bands above 50 that correspond to different levels of achievement in knowledge, skills and understanding. Band 6 corresponds to the highest level of achievement, indicating a range of marks between 90 and 100.

HSC results for VET courses are delivered at two levels. Assessment is competency based, with students receiving a competency log. An external exam is optional and will represent 100% of their mark in this course for the HSC.

School-based assessment tasks are required to be completed for each Board Developed HSC Course. For VET courses a competency based assessment program will apply.

School-based assessment is reported on your HSC Record of Achievement.

School-based assessment tasks are designed to measure performance in a wider range of objectives that can be tested in an examination. Assessment tasks may include tests, written or oral assignments, practical activities, fieldwork and projects. The assessment requirements for each Board Developed Course are set out in each syllabus.

On satisfactory completion of the HSC students receive a portfolio containing:

- The HSC Testamur
- The official certificate confirming achievement of all requirements for the award of the HSC.
- The Record of Achievement (RoSA)
- The document listing the results of each course satisfactorily completed. This also reports the marks and bands achieved.
- Course Reports
- Reports of marks, the Performance Scale and Band Descriptors for each course (except VET courses).
- AQF Certificate in VET

All My Own Work

To be eligible for a Higher School Certificate all students must complete the HSC: All My Own Work program or its equivalent. The program is designed to help Higher School Certificate students to follow the principles and practices of good scholarship. This includes understanding and valuing ethical practices when locating and using information as part of their HSC studies.

Course offerings for Year 11 2022/Year 12 2023 in Key Learning Areas

English

English Advanced

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	English Standard, English Studies
Course contact	Mrs Kemmis/Mrs Taylor

Course Description

The study of English in Stage 6 enables students to understand and use language effectively. They appreciate, enjoy and reflect on the English language and make meaning in ways that are imaginative, creative, interpretive, critical and powerful. Students value the English language in its various textual forms to become thoughtful and effective communicators in a diverse global world.

In the English Advanced Year 11 course, students explore, examine and analyse a range of texts which include prose fiction, drama, poetry, nonfiction, film, digital and media, as well as Australian texts. They explore the ways events, experiences, ideas, values and processes are represented in and through texts and analyse the ways texts reflect different attitudes and values.

In the English Advanced Year 12 course, students further strengthen their knowledge and understanding of language and literature by analysing and evaluating texts and the ways they are valued in their contexts. Students study at least four prescribed texts drawn from: Shakespearean drama; prose fiction; poetry or drama; film or media or nonfiction.

In this course, students develop their higher-order thinking skills to enhance their personal, social, educational, and vocational lives.

Topics covered

Year 11 course (120 hours)

Common module: Reading to Write (40 hours)

Module A: Narratives that Shape our World (40 hours)

Module B: Critical Study of Literature (40 hours)

Year 12 course (120 hours)

Common module: Texts and Human Experiences (30 hours)

Module A: Textual Conversations (30 hours)

Module B: Critical Study of Literature (30 hours)

Module C: The Craft of Writing: Optional – This module may be studied concurrently with the common module and/or Modules A and B (30 hours)



Particular Course Requirements:

Students must study a range of types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts.

The Year 11 course requires students to support their study of texts with their own wide reading.

English Standard

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	English Advanced, English Standard, English Extension
Course contact	Mrs Taylor/Miss Cameron

Course Description

English Standard is designed for all students to increase their expertise in English and consolidate their English literacy skills in order to enhance their personal, social, educational and vocational lives. The students learn to respond to and compose a wide variety of texts in a range of situations in order to be effective, creative and confident communicators.

Topics covered

Year 11 course (120 hours)

Common module: Reading to Write (40 hours)

Module A: Contemporary Possibilities (40 hours)

Module B: Close Study of Literature (40 hours)

Year 12 course (120 hours)

Common module: Texts and Human Experiences (30 hours)

Module A: Language, Identity and Culture (30 hours)

Module B: Close Study of Literature (30 hours)

Module C: The Craft of Writing: Optional – This module may be studied concurrently with the common module and/or Modules A and B (30 hours)

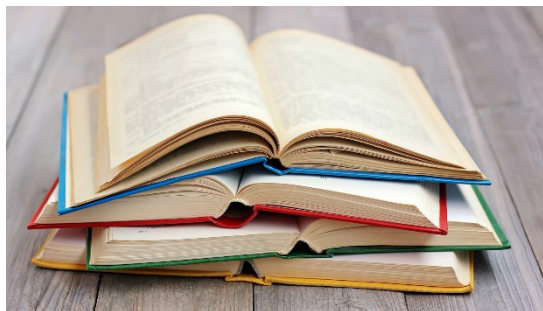
Particular Course Requirements:

Students are required to study ONE complex multimodal or digital text in Module A. (This may include the study of film).

Students are required to study ONE substantial literary print text in Module B, for example prose fiction, drama or a poetry text, which may constitute a selection of poems from the work of one poet.

Students must study a range of types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts.

The Year 11 course requires students to support the study of texts with their own wide reading.



English Studies

Course information	
Unit value	2
ATAR Status	✓ Category B, Board Developed
Prerequisite/Corequisite	None
Exclusions	English Advanced, English Standard, English Extension
Course contact	Mrs Taylor/Mrs Flynn

Course Description

English Studies is designed for students who wish to refine their skills and knowledge in English and consolidate their English literacy skills to enhance their personal, social, educational and vocational lives. It is a course for students who wish to be awarded a Higher School Certificate, but who are seeking an alternative to the English Standard course.

To be eligible for an ATAR, students studying the English Studies course must complete the HSC examination and include a further 8 units of Category A courses in their pattern of study.

Topics covered

Year 11 course (120 hours)

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



Year 12 course (120 hours)

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

Optional Modules:

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

Module B – Telling us all about it: English and the media

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

Module D – Digital Worlds: English and the Web

Module E – Playing the Game: English in sport

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

Module G – Local Heroes: English and community life

Module H – Part of a Family: English and family life

Module I – Discovery and Investigations: English and the sciences

Module J – In the Marketplace: English and the world of business

Module K – The Big Screen: English in filmmaking

Module L – Who do I think I am?: English and the self

Module M – Landscapes of the Mind: English and the creative arts

Module N – The Way we Were: English for exploring our past

In Year 11 and Year 12 students are required to:

- read, view, listen to and compose a wide range of texts including print/multimodal texts
- study at least one substantial print text
- study at least one substantial multimodal text
- be involved in planning, research and presentation activities as part of one individual and/or collaborative project
- develop a portfolio of texts they have planned, drafted, edited and presented in written, graphic and/or electronic forms across all the modules undertaken during the year
- engage with the community through avenues for example visits, surveys, interviews, work experience, listening to guest speakers and/or excursions.

English Extension 1

Course information	
Unit value	1
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	Must be studied with English Advanced
Exclusions	English Standard, English Studies
Course contact	Mrs Taylor/Mrs Kemmis

Course Description

English Extension is designed for students undertaking English Advanced who choose to study at a more intensive level in diverse but specific areas. They enjoy engaging with complex levels of conceptualisation and seek the opportunity to work in increasingly independent ways.

Topics covered

Year 11 course (60 hours)

Module: Texts, Culture and Value (40 hours)

Related research project: this project may be undertaken concurrently with the module (20 hours)

Year 12 course (60 hours)

Common module: Literary Worlds with one elective option

Particular Course Requirements:

Preliminary course:

- Teachers prescribe ONE text from the past and its manifestations in one or more recent cultures
- Students select ONE text and its manifestations in one or more recent cultures. Students research a range of texts as part of their independent project

The HSC course 1 requires the study of prescribed texts.

- The study of at least THREE texts must be selected from a prescribed text list for the module study including at least TWO extended print texts
- Students are required to study at least TWO related texts



Mathematics

Mathematics Advanced

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Mathematics Standard 1 & 2
Course contact	Mrs O'Connor

Course Description

The Mathematics Advanced course is a calculus based course focused on developing student awareness of mathematics as a unique and powerful way of viewing the world to investigate order, relation, pattern, uncertainty and generality. The course provides students with the opportunity to develop ways of thinking in which problems are explored through observation, reflection and reasoning. It is designed for those students whose future pathways may involve mathematics and its applications in a range of disciplines at the tertiary level.

The Mathematics Advanced course is a more formal, abstract course than Mathematics Standard and is useful for concurrent studies in science and commerce. A high level of competence in Mathematics in years 9 and 10 is required for this course. It is also expected that a prerequisite for studying this course is a high level of competency in algebra.

All students studying the Mathematics Advanced course will sit for a HSC examination.

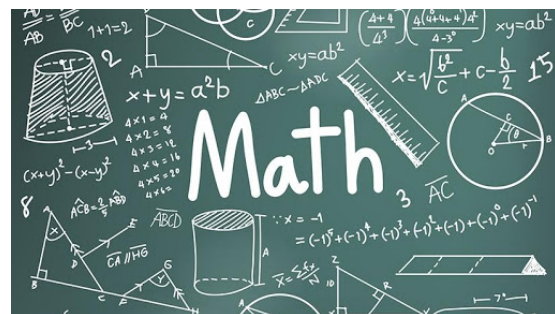
Topics covered

Year 11 course (120 hours)

- Working and Functions
- Trigonometry and the measure of angles
- Trigonometric functions and identities
- Introduction to differentiation
- Logarithms and exponentials
- Probability and discrete probability distributions

Year 12 course (120 hours)

- Graphing techniques
- Trigonometric functions and graphs
- Differential calculus
- The second derivative
- Integral calculus
- Modelling financial situations
- Descriptive statistics and bivariate data analysis
- Random variables



Mathematics Standard (Preliminary)

Course information	
Unit value	2
ATAR Status	Determined by which HSC course is chosen
Prerequisite/Corequisite	None
Exclusions	Mathematics Advanced, Mathematics Extension
Course contact	Mrs O'Connor

Course Description

Mathematics Standard students use mathematics to make informed decisions in their daily lives. Students develop understanding and competence in mathematics through real-world applications. These skills can be used in a range of concurrent HSC subjects.

The Mathematics Standard Year 11 course is a common course for all students studying the Mathematics Standard syllabus. In Year 12 students can elect to study either the Mathematics Standard 1 Year 12 course (Category B) or the Mathematics Standard 2 Year 12 course (Category A).

See pages 55 and 56 for more information on the Year 12 options for this course.

Topics covered

Year 11 course (120 hours)

- Algebra: Formulae and Equations, Linear Relationships
- Measurement: Applications of Measurement, Working with Time
- Financial Mathematics: Money Matters
- Statistical Analysis: Data Analysis, Relative Frequency and Probability



Mathematics Extension 1

Course information	
Unit value	1
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	Mathematics Advanced
Exclusions	Mathematics Standard 1 & 2
Course contact	Mrs O'Connor

Course Description

The Mathematics Extension 1 Year 11 course includes the Mathematics Advanced Year 11 course. The course enables students to develop their awareness of the interconnected nature of mathematics, its beauty and its functionality. It provides opportunities for students to develop rigorous mathematical arguments and proofs, and to use mathematical models extensively. It has general educational merit and is also useful for concurrent studies of science, engineering, finance and economics. Although the Mathematics Extension 1 course is sufficient for these purposes, students of outstanding mathematical ability should consider undertaking the Mathematics Extension 2 course in the HSC year.

This course is intended for students who have demonstrated a mastery of the skills of Stage 5 Mathematics and who are interested in the study of further skills and ideas in mathematics.

All students studying the Mathematics Extension 1 course will sit for a HSC examination. Students who choose Mathematics Extension 1 Course in Year 11 have the option of also choosing Mathematics Extension 2 in Year 12.

Topics covered

Year 11 course (60 hours)

- Functions and Polynomials
- Inverse Trigonometric Functions
- Further Trigonometric Identities
- Calculus – Rates of Change
- Working with Combinatorics

Year 12 course (60 hours)

- Proof by Mathematical Induction
- Introduction to Vectors
- Trigonometric Equations
- Further Calculus Skills and Applications of Calculus
- The Binomial Distribution



Science

Biology

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Maximum of 6 units of Science can be taken
Course contact	Mr Blundell/Mrs Jelinek/Mrs Rosenberg
Course cost	\$30 in Yr11, \$30 in Yr12 for Edrolo Subscription

Course Description

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

The Year 11 course investigates cellular structure and provides a base for understanding the way in which multicellular organisms transport and absorb nutrients and carry out gas exchange. Exploring variations in the structures and functions of organisms provides an understanding of the effects of the environment on living things and how this leads to biodiversity.

The Year 12 course investigates reproduction, inheritance patterns and the causes of genetic variation in both plants and animals. Applications of this knowledge in biotechnology and various genetic technologies are explored in the light of their uses in the treatment, prevention and control of infectious and non-infectious diseases.

Topics covered

Year 11 course modules (120 hours)

1. Cells as the basis of life
 2. Organisation of living things
 3. Biological diversity
 4. Ecosystem dynamics
- Plus 15 hours of Depth Studies



Year 12 course modules (120 hours)

5. Heredity
 6. Genetic change
 7. Infectious disease
 8. Non-infectious disease and disorders
- Plus 15 hours of Depth Studies

Chemistry

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Maximum of 6 units of Science can be taken
Course contact	Mr Blundell/Mrs Jelinek/Mrs Rosenberg
Course cost	\$30 in Yr11, \$30 in Yr12 for Edrolo Subscription

Course Description

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

The Year 11 course develops the knowledge, understanding and skills in relation to the properties and structures of matter, the types and drivers of chemical reactions and how we measure the quantities involved in these processes.

The Year 12 course builds on the concepts introduced in Year 11 by examining particular classes of chemicals, processes and a variety of chemical reactions which incorporate organic compounds and acid/base equilibrium reactions. The course challenges students to apply this knowledge to the investigation of a range of methods used in identifying and measuring quantities of chemicals which leads to an understanding of the structure, properties and trends of and between classes of chemicals.

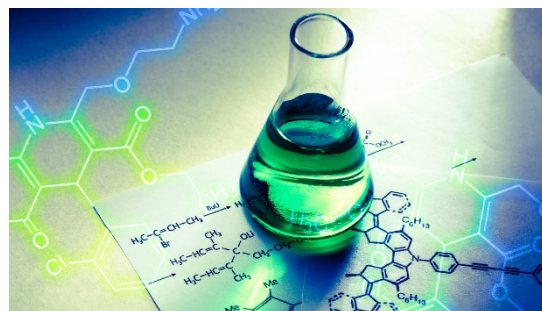
Topics covered

Year 11 course modules (120 hours)

1. Properties and structure of matter
 2. Introduction to quantitative chemistry
 3. Reactive chemistry
 4. Drivers of reaction
- Plus 15 hours of Depth Studies

Year 12 course modules (120 hours)

5. Equilibrium and acid reactions
 6. Acid/base reactions
 7. Organic chemistry
 8. Applying chemical ideas
- Plus 15 hours of Depth Studies



Earth and Environmental Science

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Maximum of 6 units of Science can be taken
Course contact	Mr Blundell/Mrs Jelinek/Mrs Rosenberg

Course Description

The study of Earth and Environmental Science in Stage 6 enables students to develop an appreciation and understanding of geological and environmental concepts that help explain the changing face of the Earth over time. Through applying Working Scientifically skills processes, the course aims to examine how earth and environmental science models and practices are used and developed.

The Year 11 course investigates compositional layers of the Earth, the origins of minerals, tectonic movements and energy transformations and includes the study of human impact on the Earth's resources and its surface.

The Year 12 course investigates how the processes of plate tectonics, the formation of water and the introduction of life interact with the atmosphere, hydrosphere, lithosphere and climate. Investigation of hazards, the mitigation of their effects and resource management are also considered, which leads to an understanding of the need to centralise the theme of sustainability for the long-term welfare of our planet and all forms of life dependent upon it.

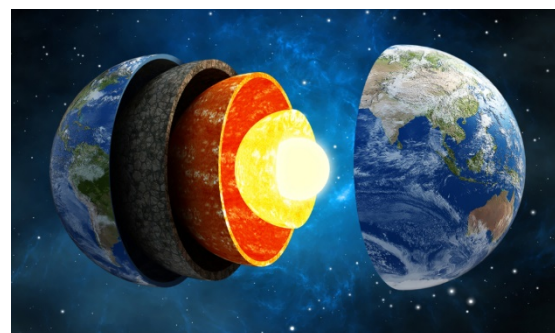
Topics covered

Year 11 course modules (120 hours)

1. Earth's resources
 2. Plate tectonics
 3. Energy transformations
 4. Human impacts
- Plus 15 hours of Depth Studies

Year 12 course modules (120 hours)

5. Earth's processes
 6. Hazards
 7. Climate Science
 8. Resource management
- Plus 15 hours of Depth Studies



Physics

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Maximum of 6 units of Science can be taken
Course contact	Mr Blundell/Mrs Jelinek/Mrs Rosenberg
Course cost	\$30 in Yr11, \$30 in Yr12 for Edrolo Subscription

Course Description

The study of Physics in Stage 6 aims to enable students to develop an appreciation and understanding of the application of the principles of physics, and of the theories, laws, models, systems and structures of physics. It also enables students to apply Working Scientifically skills processes to examine physics models and practices and their applications.

The Year 11 course develops student's knowledge, understanding and skills relevant to the study of motion, how we describe it and what causes it. The course also examines energy in its different forms and how we describe and measure electricity and magnetism and their interrelated effects.

The Year 12 course provides avenues for students to apply the concepts they were introduced to in Year 11 to motion in two dimensions, electromagnetism, theories of light, the atom and the Universe.

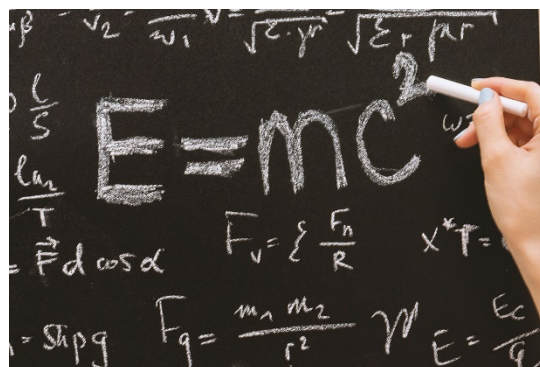
Topics covered

Year 11 course modules (120 hours)

1. Kinematics
 2. Dynamics
 3. Waves and thermodynamics
 4. Electricity and magnetism
- Plus 15 hours of Depth Studies

Year 12 course modules (120 hours)

5. Advanced mechanics
 6. Electromagnetism
 7. The nature of light
 8. From the Universe to the Atom
- Plus 15 hours of Depth Studies



Agriculture

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Blundell/Mrs Jelinek/Mr Lehman

Course Description

The Preliminary course incorporates the study of the interactions between the components of agricultural production, marketing and management, while giving consideration to the issue of sustainability of the farming system. This is an 'on-farm', environment-oriented course.

The HSC course builds upon the Preliminary course. It examines the complexity and scientific principles of the components of agricultural production. It places greater emphasis on farm management to maximise productivity and environmental sustainability. The Farm Product Study is used as a basis for analysing and addressing social, environmental and economic issues as they relate to sustainability.

Topics covered

Year 11 course (120 hours)

- Overview (15%)
- The Farm Case Study (25%)
- Plant Production (30%)
- Animal Production (30%)

Year 12 course (120 hours)

Core (80%)

- Plant/Animal Production (50%)
- Farm Product Study (30%)

Elective (20%)

ONE of the following electives is studied:

- Agri-food, Fibre and Fuel Technologies
- Climate Challenge
- Farming for the 21st Century



Marine Studies

Course information	
Unit value	2
ATAR Status	✗ Board Endorsed – Does NOT count
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Blundell/Mrs Jelinek/Mr Doerner
Course cost	Excursion costs and First Aid

Course Description

The oceans cover more than 70% of the earth's surface and influence all forms of life on this planet. Oceans are alternatively viewed as areas rich in minerals and marine life, which can supply our needs virtually without limit, or as convenient dumping grounds for agricultural, industrial and domestic waste.

The growing demands of urbanisation, industry, recreation and tourism have increased the pressures on marine facilities and our fragile water ecosystems. There is a need for wise management practices and a responsible, realistic approach to conservation of marine resources.

Marine Studies provides an opportunity for students to view these issues in a comprehensive and global perspective.

Topics covered

Year 11 course (120 hours)


- Core Module 1: Marine Safety & First Aid (6 hours)
- Core Module 2: The Marine Environment (6 hours)
- Core Module 3: Life in the Sea (6 hours)
- Core Module 4: Humans in Water (6 hours)
- Core Module 5: Marine & Maritime Employment (6 hours)
- Module 1: Resuscitation Certificate (15 hours)
- Module 2: First Aid Certificate (15 hours)
- Module 16: Skin Diving and Diving Science (30 hours)
- Module 19: Boating and Seamanship (30 hours)

Year 12 course (120 hours)

- Module 15: Seafood Handling & Processing (30 hours)
- Module 10: Commercial and Recreational Fishing (30 hours)
- Module 13: Marine Aquarium (30 hours)
- Module 24: Personal Interest Project (30 hours)

Please note that students will be given the opportunity to complete an industry standard First Aid course (including CPR) as part of this course during the first semester, involving a cost of approximately \$120.



	<p align="center">2022 PRIMARY INDUSTRIES COURSE DESCRIPTION AHC20416 Certificate II in Horticulture RTO 90162 Public Schools NSW, Tamworth</p> <p align="center">This may change due to Training Package and NSW Education Standards Authority (NESA) updates. Notification of variations will be made in due time.</p>	
<p>Course: Primary Industries Board Developed Course</p>	<p>2 or 4 Preliminary and/or HSC units in total Category B for Australian Tertiary Admission Rank(ATAR)</p>	
<p>This course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation. To gain a full qualification, students must achieve all competencies. Partial completion will lead to a statement of attainment towards the qualification.</p>		
<p>Agriculture, Horticulture and Conservation & Land Management Training Package (AHC 4.0) Not all electives will be on offer in every school. Units of Competency Core AHPCPM201 Recognise plants AHCPMG201 Treat weeds AHCPMG202 Treat plant pests, diseases and disorders AHCSOL202 Assist with soil or growing media sampling and testing AHCWHS201 Participate in work health and safety processes</p>	<p>Electives: AHCCHM201 Apply chemicals under supervision AHCMOM202 Operate tractors AHCMOM304 Operate machinery and equipment AHCNSY201 Pot up plants AHCNSY202 Care for nursery plants AHCNSY203 Undertake propagation activities AHCWRK201 Observe and report on weather AHCWRK204 Work effectively in the industry AHCWRK205 Participate in workplace communications AHCWRK209 Participate in environmentally sustainable work practices</p>	
<p>Students may apply for Recognition of Prior Learning and /or Credit Transfer provided suitable evidence is submitted.</p>		
<p>Our RTO acknowledges the experience and prior learning of our students. Students who can present transcripts from other Australian RTOs or who are able to present relevant experiences in work may qualify for Credit Transfer (CT) or Recognition of Prior Learning. All applications for CT or RPL should be made to the course teacher.</p>		
<p>Recommended Entry Requirements Students selecting this course should be interested in working in the school grounds. They should be able to use small and large pieces of farm equipment and machinery, lift and carry, and work with plants and soil. They may be required to attend out of school hour activities e.g. showing produce at the local agricultural show. There may be out of class homework, research activities and assignments.</p>		
<p>Examples of occupations in Horticulture</p> <ul style="list-style-type: none"> • National Parks worker • gardener ▪ nursery worker ▪ horticulture ▪ crop production ▪ pest and disease control 		
<p>Mandatory HSC Course Requirements. Students must complete 240 indicative hours of course work and a minimum of 70 hours work placement. Students who do not meet these requirements will be 'N' determined as required by the NESA. External Assessment (optional HSC examination for ATAR purposes) The Higher School Certificate examination for Horticulture is only available after completion of 240 indicative hours and will involve a written examination consisting of multiple-choice items, short answers and extended response items. The examination is independent of the competency-based assessment undertaken during the course and has no impact on the eligibility of a student to receive a vocational qualification.</p>		
<p>Competency-Based Assessment Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the unit/s of competency. Appeals and Complaints Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.</p>		
<p>Course Cost: Preliminary - \$50 HSC - \$50 On payment of fees students will receive 1 sun safe hat and 1 pair of polarised safety glasses.</p>		<p>Refunds Refund arrangements on a pro-rata basis. Please refer to your school refund policy</p>
<p>A school-based traineeship is available in this course, for more information: http://www.sbatinnsw.info/</p>		
<p>Exclusions - VET course exclusions can be checked on the NESA website at https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions</p>		

Human Society and its Environment (HSIE)

Ancient History

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Ms Carle

Course Description

The Year 11 course provides students with opportunities to develop and apply their understanding of methods and issues involved in the investigation of the ancient past. Students have the opportunity to engage in the study of a range of features, people, places, events and developments of the ancient world through archaeological methodologies and case studies.

The Year 12 course provides students with opportunities to apply their understanding of archaeological and written sources and relevant issues in the investigation of the ancient past. Through a core study, students investigate the cities of Pompeii and Herculaneum, and explore issues relating to reconstruction and conservation of the past. They also study the key features and sources of an ancient society, personality and historical period.

Topics covered

Year 11 course (120 hours)

- Investigating Ancient History (60 hours)
 - The Nature of Ancient History
 - Case Studies
- Features of Ancient Societies (40 hours)
- Historical Investigation (20 hours)



In the historical investigation students research a topic of their own choosing. It requires analysis of historical texts, acknowledgement of sources and a detailed and sophisticated presentation.

Year 12 course (120 hours)

The course comprises a study of:

1. Core Study: Cities of Vesuvius – Pompeii and Herculaneum
2. ONE 'Ancient Societies' topic
3. ONE 'Personalities in their Times' topic
4. ONE 'Historical Periods' topic.

The course requires study from at least TWO of the following areas:

- Egypt
- Near East
- China
- Greece
- Rome.

The core study, Cities of Vesuvius – Pompeii and Herculaneum, is a Roman study. Topics in the Year 12 course consist of two sections – 'Survey' and 'Focus of study'.

Modern History

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Ms Carle

Course Description

The Year 11 course provides students with opportunities to develop and apply their understanding of methods and issues involved in the investigation of modern history. Students have the opportunity to engage in the study of a range of people, ideas, movements, events and developments that have shaped the modern world. Students will also have the opportunity to complete an historical investigation on a topic of their own choosing.

The Year 12 course provides students with opportunities to apply their understanding of sources and relevant issues in the investigation of the modern world. Through a core study, students investigate the nature of power and authority 1919–1946. They also study key features in the history of one nation, one study in peace and conflict and one study of change in the modern world.

Topics covered

Year 11 course (120 hours)

- Part I: Investigating Modern History (50% of course time)
 - The Nature of Modern History
 - Case Studies

At least TWO Case Studies should be undertaken (see below).

- Part II: Historical Investigation (20% of course time)
 - It requires analysis of historical texts, acknowledgement of sources, and a detailed and sophisticated presentation.
- Part III: Core Study: The Shaping of the Modern World (30% of course time).
 - A source-based study of WWI.

Year 12 course (120 hours)

- Part I: Core Study: Power and Authority in the Modern World: 1919–1946: A source- based study (25% of course time)
- Part II: National Study(25% of course time)
- Part III: Peace and Conflict (25% of course time)
- Part IV: Change in the Modern World (25% of course time)

Specific Course Requirements

In the Year 11 course, *one Case Study* must be from Europe, North America or Australia and *one Case Study* must be from Asia, the Pacific, Africa, the Middle East or Central/South America.

The *Historical Investigation* and choice of Case Study must not overlap or duplicate significantly any topic attempted for the Modern History Year 12 or History Extension courses.



Business Studies

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Ms Carle

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 fosters intellectual, social and moral development by assisting students to think critically about the role of business and its ethical responsibilities to society.

Topics covered

Year 11 course (120 hours)

- Part I: Nature of business – the role and nature of business
- Part II: Business management– the nature and responsibilities of management
- Part III: Business planning – establishing and planning a small to medium enterprise

Year 12 course (120 hours)

- Part I: Operations– strategies for effective operations management
- Part II: Marketing – development and implementation of successful marketing strategies
- Part III: Finance – financial information in the planning and management of business
- Part IV: Human resources – human resource management and business performance



Legal Studies

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Ms Carle

Course Description

The Year 11 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 investigate issues that illustrate how the law operates in practice through court visits and case studies. This is achieved by investigating, analysing and synthesising legal information and investigating legal issues from a variety of perspectives.

The Year 12 course investigates the key areas of criminal law, human rights, world order, international relations, and consumer law in Australia, through a variety of focus studies which consider how changes in societies influence the law in domestic and international spheres.

Topics covered

Year 11 course (120 hours)

- Part I: The Legal System
- Part II: The Individual and the Law
- Part III: The Law in Practice

The Law in Practice unit is designed to provide opportunities for students to deepen their understanding of the principles of law covered in the first sections of the course. This section may be integrated with Part I and Part II.

Year 12 course (120 hours)

- Part I: Core - Crime
- Part II: Core - Human Rights
- Part III: Two options

Two options are chosen from:

- Consumers
- Global environment and protection
- Family
- Indigenous peoples
- Shelter Workplace
- World order

Each topic's themes and challenges are integrated into the study of the topic.



Aboriginal Studies

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Ms Carle

Course Description

The Preliminary 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.

The HSC course provides for in depth study of legislation, policy, judicial processes and current events from the 1960s. During the course, students will undertake consultation with the 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.

Topics covered

Year 11 course (120 hours)

- Part I: Aboriginality and the Land
- Part II: Heritage and Identity
- Part III: International Indigenous Community: Comparative Study
- Part IV: Research and Inquiry Methods: Local Community Case Study

Year 12 course (120 hours)

- Part I: Social Justice and Human Rights Issues
 - A: Global Perspective
 - AND
 - B: Comparative Study
- Part II: Case Study of an Aboriginal community for each topic
 - A: Aboriginality and the Land
 - OR
 - B: Heritage and Identity
- Part III: Research and Inquiry Methods – Major Project.

Particular Course Requirements:

In both courses students must undertake mandatory case studies. The project log will document all work completed including the sequential development of the project and the nature and timing of community based fieldwork.



Geography

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Ms Carle

Course Description

The Preliminary course investigates biophysical and human geography and develops students' knowledge and understanding about the spatial and ecological dimensions of geography. Enquiry 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 demonstrates the relevance of geographical study.

Topics covered

Year 11 course (120 hours)

- Biophysical Interactions: How biophysical processes contribute to sustainable management
- Global Challenges: Geographical study of issues at a global scale
- Senior Geography Project: A geographical study of student's own choosing

Year 12 course (120 hours)

- Ecosystems at Risk: The functioning of ecosystems, their management and protection
- Urban Places: Study of cities and urban dynamics
- People and Economic Activity: Geographic study of economic activity in a local and global context

Students complete a Senior Geography Project (SGP) in the Preliminary course and should undertake 12 hours of fieldwork in both the Preliminary and HSC courses.



Languages Other Than English (LOTE)

French Beginners

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	French Continuers; French Extension Strict eligibility rules apply to the study of this subject. Check with your teacher or refer to Section 8.2.2.3 of the <i>NESA ACE Manual</i> .
Course contact	Mr Smith, Mrs Lancaster

Course Description

In the Year 11 and Year 12 courses, students will develop the linguistic and intercultural knowledge and understanding, and the speaking, listening, reading and writing skills to communicate in French. Topics studied through two interdependent perspectives, the personal world and the French-speaking communities, provide contexts in which students develop their communication skills in French and their knowledge and understanding of language and culture.

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

Topics covered

- Family life, home and neighbourhood
- People, places and communities
- Education and work
- Friends, recreation and pastimes
- Holidays, travel and tourism
- Future plans and aspirations



Personal Development, Health and Physical Education (PDHPE)

PDHPE

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Smith

Course Description

The Year 11 course examines a range of areas that underpin health and physical activity. This includes how people think about health and physical activity, the management of personal health and the basis for how the body moves. Students have the opportunity to select from a range of practical options in areas such as first aid, outdoor recreation, composing and performing, and fitness choices.

In the Year 12 course, students focus on major issues related to Australia's health status. They also look at factors that affect physical performance. They undertake optional study from a range of choices. This includes investigating the health of young people or of groups experiencing health inequities. In other options, students focus on improved performance and safe participation by learning about advanced approaches to training or sports medicine concepts. There is also an opportunity to think critically about the factors that impact on sport and physical activity in Australian society.

Topics covered

Year 11 course (120 hours)

Core Topics (60%)

- Better Health for Individuals
- The Body in Motion

Options (40%)

- Students select two of the following options:
- First Aid
- Composition and Performance
- Fitness Choices
- Outdoor Recreation

Year 12 course (120 hours)

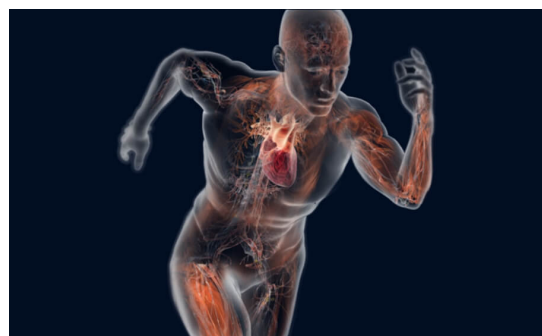
Core Topics (60%)

- Health Priorities in Australia
- Factors Affecting Performance

Options (40%)

Students select two of the following options:

- The Health of Young People
- Sport and Physical Activity in Australian Society
- Sports Medicine
- Improving Performance
- Equity and Health



Sport, Lifestyle and Recreation (SLR)

Course information	
Unit value	2
ATAR Status	X Board Endorsed – Does NOT count
Prerequisite/Corequisite	None
Exclusions	PDHPE students should avoid duplicate modules
Course contact	Mr Smith

Course Description

Students will learn about the importance of a healthy lifestyle and recognise the need to be active, responsible and informed decision makers.

This course encourages students to continue to develop their knowledge, skills and understanding of the role of sport, a healthy lifestyle and recreation in everyday life.

Students must purchase a SGHS PE Uniform to wear to all practical lessons.

The course aims to:


- develop in students an awareness of social and community values in the areas of sport, lifestyle and recreation;
- promote an understanding of the requirements for healthy living;
- develop a deeper understanding of the interaction between society, sport, recreation and fitness;
- identify how sport influences and affects various groups and sections of our society;
- provide students with a greater understanding of their physical and sporting potential by participating in a wide variety of sports.

75% of this course is practical

Topics covered

Aquatics, Athletics, Dance, First Aid, Fitness, Games and Sports Application, Individual and Team Games, Gymnastics, Healthy Lifestyles, Outdoor Recreation, Resistance Training, Social Perspective on Games and Sports, Sports Administration and Sport Coaching.



 2022 SPORT COACHING COURSE DESCRIPTION SIS30519 Certificate III in Sport Coaching RTO 90162 Public Schools NSW, Tamworth This may change due to Training Package and NSW Education Standards Authority (NESA) updates. Notification of variations will be made in due time.	
Course: Sport Coaching Board Endorsed Course	2 or 4 Preliminary and/or HSC units in total Does not contribute towards ATAR
This course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation. To gain a full qualification, students must achieve all competencies. Partial completion will lead to a statement of attainment towards the qualification.	
Sport, Fitness and Recreation Training Package (SFR2.0) Units of Competency Core units HLTWHS001 Participate in workplace health and safety SISSSCO002 Work in a community coaching role SISSSCO005 Continuously improve coaching skills and knowledge SISSSCO003 Meet participant coaching needs BSBRSK401 Identify risk and apply risk management processes HLTAID003 Provide first aid (delivered by an external RTO)	Elective units Complete the follow competency: SISXIND006 Conduct sport, fitness and recreation events SISSSCO012 Coach sports participants up to an intermediate level And complete TWO of the following THREE elective competencies: SISXCAI009 Instruct strength and conditioning techniques SISSSOF002 Continuously improve officiating skills and knowledge SISXDIS001 Facilitate inclusion for people with a disability
Students may apply for Recognition of Prior Learning and /or credit transfer provided suitable evidence is submitted.	
Our RTO acknowledges the experience and prior learning of our students. Students who can present transcripts from other Australian RTOs or who are able to present relevant experiences in work may qualify for Credit Transfer (CT) or Recognition of Prior Learning. All applications for CT or RPL should be made to the course teacher.	
Recommended Entry Requirements Students selecting this course should be interested in sport and working in the sport, fitness and recreation industry. They should have a reasonable level of fitness, be able to play and have knowledge of a variety of sports and be able to demonstrate sports skills to junior players. Being an effective communicator, possessing motivation and having effective planning and time management skills are beneficial. There will be out of class homework, research activities and cluster based assessments for students to complete.	
Examples of occupations in sport, fitness and recreation industries <ul style="list-style-type: none"> ▪ Sports coach ▪ Assistant Coach ▪ Sports event manager ▪ Sports trainer ▪ Sports administration officer ▪ Team manager ▪ Sports official 	
Mandatory HSC Course Requirements. Students must complete 240 indicative hours of course work and a minimum of 35 hours work placement. Students who do not meet these requirements will be 'N' determined as required by the NESA.	
External Assessment There is no Higher School Certificate (HSC) examination for the Sport Coaching course.	
Competency-Based Assessment Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the unit/s of competency.	
Appeals and Complaints Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.	
Course Cost: Preliminary - \$120 first aid course	Refunds Refund arrangements on a pro-rata basis. Please refer to your school refund policy
A school-based traineeship is available in this course, for more information: http://www.sbatinnsw.info/	
Exclusions - VET course exclusions can be checked on the NESA website at https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions	

Technological and Applied Studies (TAS)

Food Technology

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Bruce/Mrs Wood/Mrs Ferris/Ms Gordon
Course Cost	\$70 in Yr11, \$50 in Yr12

Course Description

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

Topics covered

Year 11 course (120 hours)

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

Year 12 course (120 hours)

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

It is mandatory that students undertake practical activities. Such experiential learning activities are specified in the 'learn to' section of each strand.



Textiles Technology

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Bruce/Mrs Wood/Mrs Ferris/Ms Gordon
Course cost	\$50 in Yr11, \$50 in Yr12

Course Description

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 includes 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.

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.

Topics covered

Year 11 course (120 hours)

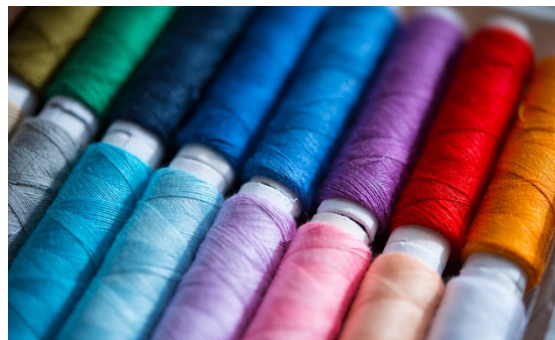
- Design (40%)
- Properties and Performance of Textiles (50%)
- The Australian Textiles, Clothing, Footwear and Allied Industries (10%)

Year 12 course (120 hours)

- Design (20%)
- Properties and Performance of Textiles (20%)
- The Australian Textiles, Clothing, Footwear and Allied Industries (10%)
- Major Textiles Project (50%).

Particular Course Requirements:

Practical experiences should occupy a minimum of 50% of both Preliminary and HSC course time.



Industrial Technology – Timber Products & Furniture Technologies

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Industrial Technology – Multimedia Technologies
Course contact	Mr Bruce
Course cost	\$60 in Yr11, \$30 in Yr12

Course Description

This course is designed for those students who would like to continue to develop and enhance their woodworking skills and knowledge in the senior year. Project work and an industry study are compulsory components in the Preliminary Course.

Students develop a Major Project related to the chosen option in the HSC year.

Topics covered

Year 11 course (120 hours)

- The following sections are taught in relation to the relevant focus area:
- Industry Study – Study of the organization and management of an individual business within the focus area, including: structural, technical, environmental, sociological, personnel, WHS issues.
- Design - Plan projects through the completion of associated folios: elements and principles of design, types of design, quality, and influences affecting design.
- Management and Communication - Manage work through the completion of a management folio linked to each project produced.
- Production – Developing knowledge and skills through the construction of a number of projects. Acquisition of relevant practical skills.
- Industry Related Manufacturing Technology – developing knowledge and understanding of a range of materials, processes, tools, equipment and machinery through the construction of a number of projects.

Year 12 course (120 hours)

- Industry Study
- Design, Management & Communication
- Production
- Industry Related Manufacturing Technology
- Major Project



A very practically orientated subject; particularly suited to those with a sound understanding of and interest in the timber and furniture industry. Existing skills in these areas will be an advantage but not needed.

Possible Excursion – Industry study and Furniture manufacturing Company which will incur additional costs.

Industrial Technology – Multimedia Technologies

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Industrial Technology – Timber Products & Furniture Tech.
Course contact	Mr Bruce/Ms Worthing
Course cost	\$20 in Yr11, \$20 in Yr12

Course Description

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

In the Preliminary year, practical classwork and projects are aimed at developing a range of skills in the creation of multimedia content such as video, audio, animation, graphics, sound, hypermedia and text-based works.

Students develop a Major Project related to the chosen option in the HSC year, which is based on a product and a management portfolio.

Topics covered

Year 11 course (120 hours)

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

- Industry Study – Study of the organization and management of an individual business within the focus area, including: structural, technical, environmental, sociological, personnel, WHS issues.
- Design - Plan projects through the completion of associated folios: elements and principles of design, types of design, quality, and influences affecting design.
- Management and Communication - Manage work through the completion of a management folio linked to each project produced.
- Production – Developing knowledge and skills through the development of a number of projects. Acquisition of relevant practical skills.
- Industry Related Manufacturing Technology – developing knowledge and understanding of a range of materials, processes, tools, equipment and machinery through the development of a number of projects.

Year 12 course (120 hours)

- Industry Study
- Design, Management & Communication
- Production
- Industry Related Manufacturing Technology
- Major Project



A very practically orientated subject; particularly suited to those with a sound understanding of and interest in computing and/or digital creative works. Existing skills in these areas will be an advantage.

Possible Excursion – Industry study and Furniture manufacturing Company which will incur additional costs.

Software Design and Development

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Bruce/Ms Worthing

Course Description

The Preliminary course introduces students to the basic concepts of computer, web and mobile phone platform software design and development. Students complete practical coding exercises to illustrate their learning of the theory concepts and develop graphical user interfaces for each of their applications.

The HSC course asks students to develop and document software using a variety of data structures and language facilities. Students complete an internally marked major project to showcase and practice their skills from the entire course duration.

Programming languages studied in this course include: Visual basic.NET, JavaScript, xcode (iOS), Haskell and other emerging languages. Platforms developed for may include Windows computers, web applications and mobile phone/tablet apps. *No previous programming experience is required.*

A genuine interest in computers and programming is an expectation for this course.

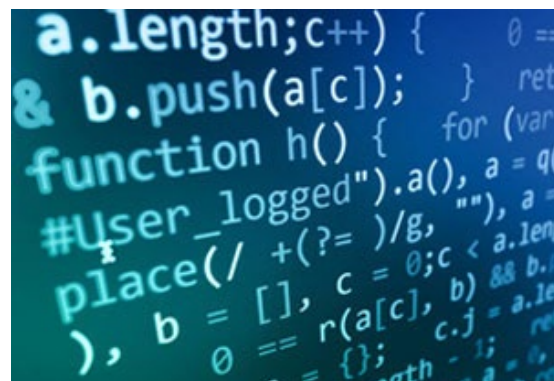
Topics covered

Year 11 course (120 hours)

- Concepts and issues in the design and development of software
- Social and ethical issues
- Hardware and software
- Software development approaches
- Introduction to software development
- Defining the problem and planning software solutions
- Building software solutions
- Checking software solutions
- Modifying software solutions
- Developing software Solutions

Year 12 course (120 hours)

- Impact of software solutions
- Social and ethical issues
- Software development approaches
- Software development cycle
- Defining and understanding the problem
- Planning and design of software solutions
- Implementation of software solutions
- Testing and evaluation of software solutions
- Maintenance of software solutions
- Developing a solution package
- The interrelationship between hardware and software (option topic)



Information Processes and Technology (IPT)

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Bruce/Ms Worthing

Course Description

The Information Processes and Technology Stage 6 course, teaches students about information-based systems. It covers the processes of collecting, organising, analysing, storing and retrieving, processing, transmitting and receiving, and displaying, as well as the technologies that support them. With this background, students will be well placed to adapt to new technologies as they emerge.

Through this course, students will gain a good working knowledge of:

- the key concepts of data, information and systems
- the interactive nature of effective information-based systems
- available and emerging information technologies
- the social and ethical issues associated with the use of information technology and information systems, such as equity and access, privacy, freedom of information and copyright
- the communication, personal and team skills necessary to ensure that an information systems solution is appropriate for the needs of the users,
- related issues such as project management, documentation and user interfaces.

Topics covered

Year 11 course (120 hours)

- Introduction to Information Skills and Systems (20%)
- Tools for Information Processes (50%)
- Developing Information Systems (30%)

Year 12 course (120 hours)

- Project Management (20%)
- Information Systems and Databases (20%)
- Communication Systems (20%)
- Option Strands (40%) (select 2 out of 4)
 - Transaction processing Systems
 - Decision Support Systems
 - Automated manufacturing Systems
 - Multimedia System



Community and Family Studies (CAFS)

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Bruce/Mrs Wood/Mrs Ferris/Ms Gordon

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, in relation to the changing nature of Australian society, with a view to enabling students to plan and manage resources effectively.

Topics covered

Year 11 course (120 hours)

Resource Management

- Basic concepts of the resource management process

Individuals and Groups

- The individual's roles, relationships and tasks within groups

Families and Communities

- Family structures & functions and the interaction between family & community

Year 12 course (120 hours)

Research Methodology

- Research methodology & skills leading to Independent Research Project

Groups in Context

- The characteristics and needs of specific community groups

Parenting and Caring

- Issues facing individuals and groups who adopt roles of parenting and caring in contemporary society

HSC Option Modules (Select one of the following):

Family and Societal Interactions

- Government & community structures that support and protect family members during life.

Social Impact of Technology

- The impact of evolving technologies on individuals and lifestyle.


Individuals and Work

- Issues confronting individuals as they manage roles within their family and work environments.

Particular Course Requirements:

As part of the HSC, students are required to complete an Independent Research Project relating to one or more of these areas: individuals, groups, families, communities, resource management.



	2022 HOSPITALITY FOOD AND BEVERAGE COURSE DESCRIPTION SIT20316 Certificate II in Hospitality RTO 90162 Public Schools NSW, Tamworth This may change due to Training Package and NSW Education Standards Authority (NESA) updates. Notification of variations will be made in due time.	
Course: Hospitality – Food & Beverage Board Developed Course	2 or 4 Preliminary and/or HSC units in total Category B for Australian Tertiary Admission Rank (ATAR)	
<p>This course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation. To gain a full qualification, students must achieve all competencies. Partial completion will lead to a statement of attainment towards the qualification.</p>		
Tourism, Travel and Hospitality training package (SIT 1.2) Units of Competency Core BSBWOR203 Work effectively with others SITHIND002 Source and use information on the hospitality industry SITHIND003 Use hospitality skills effectively SITXCCS003 Interact with customers SITXCOM002 Show Social and Cultural sensitivity SITXWHS001 Participate in safe work practices Electives SITHFAB004 Prepare and serve non-alcoholic beverages SITHFAB005 Prepare and serve espresso coffee SITHFAB007 Serve food and beverage	Plus, additional competencies Category A SITXFSA001 Use hygienic practices for food safety SITHCCC001 Use food preparation equipment SITHCCC002 Prepare and present simple dishes SITHCCC006 Prepare appetisers and salads <p style="text-align: center;">OR</p> Category B SITXCOM001 Source and present information BSBCMM201 Communicate in the workplace BSBSUS201 Participate in environmentally sustainable work practices HLTAID003 Provide First Aid	
Students may apply for Recognition of Prior Learning and /or credit transfer provided suitable evidence is submitted.		
<p>Our RTO acknowledges the experience and prior learning of our students. Students who can present transcripts from other Australian RTOs or who are able to present relevant experiences in work may qualify for Credit Transfer (CT) or Recognition of Prior Learning. All applications for CT or RPL should be made to the course teacher.</p>		
Recommended Entry Requirements Students selecting this course should be interested in working in a hospitality environment preparing and serving food and beverages to customers. They should be able to lift and carry equipment, use handheld and larger commercial kitchen equipment. Students may be required to participate in after-hours school events and functions. There will be out of class homework, research activities and assignments.		
Examples of occupations in the hospitality industry: <ul style="list-style-type: none"> • Café attendant • Barista • Kitchen hand • Food and beverage attendant 		
Mandatory HSC Course Requirements Students must complete 240 indicative hours of course work and a minimum of 70 hours work placement. Students who do not meet these requirements will be 'N' determined as required by NESA. External Assessment (optional HSC examination for ATAR purposes) The Higher School Certificate examination for Hospitality Food and Beverage is only available after completion of 240 indicative hours and will involve a written examination consisting of multiple-choice items, short answers and extended response items. The examination is independent of the competency-based assessment undertaken during the course and has no impact on the eligibility of a student to receive a vocational qualification.		
Competency-Based Assessment Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency. Appeals and Complaints Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.		
Course Cost: Preliminary - \$120.00 HSC - \$50.00 All students are asked to purchase a black Hospitality uniform at a cost of approximately 65.00.	Refunds Refund Arrangements on a pro-rata basis. Please refer to your school refund policy	
A school-based traineeship and apprenticeship are available in this course, for more information: http://www.sbatinnsw.info/		
Exclusions - VET course exclusions can be checked on the NESA website at http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions		

2022 CONSTRUCTION COURSE DESCRIPTION
CPC20220 Certificate II in Construction Pathways (Release 4) + Statement of Attainment towards CPC20120 Certificate II in Construction
RTO 90162 Public Schools NSW, Tamworth

IMPORTANT INFORMATION: The training package for this course has recently changed. At the time of publication, NESAs has not indicated when the new course will be implemented and what their mandatory requirements will be. This may mean that the Units of Competency listed below change. Any changes will be advised to schools by the RTO and teachers will relay this to students with adequate notice in line with DoE Assessment Policy.

Course: Construction

Board Developed Course

2 or 4 Preliminary and/or HSC units in total

Category B for Australian Tertiary Admission Rank (ATAR)

This course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation. To gain a full qualification in CPC20220 Certificate II in Construction Pathways, students must achieve all competencies. Partial completion will lead to a statement of attainment towards the qualification.

Construction, Plumbing and Services Training Package (CPC6.2)

Units of Competency

Core

CPCCOM1012	Work effectively and sustainably in the Construction Industry
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
CPCCOM1013	Plan and organise work
CPCCOM1015	Carry out measurements and calculations
CPCCVE1011	Undertake a basic construction project

Electives

CPCCOM1014	Conduct workplace communication
CPCCOM2001	Read and interpret plans and specifications
CPCCCA2011	Handle carpentry materials
CPCCCA2002	Use carpentry tools and equipment
CPCCCM2006	Apply basic levelling procedures
CPCCCO2013	Carry out concreting to simple form
CPCCJN3004	Manufacture and assemble joinery components

Course Prerequisite

CPCCWHS1001 - Prepare to work safely in the construction industry.

The Construction General Induction Training (Whitecard) will be delivered as part of this course, incurring an additional cost.

Successful completion of this unit will lead to a General Construction Induction Card (White Card) from SafeWork NSW. This will allow student access to construction sites across Australia for work purposes. A recognised SafeworkNSW GIT card is mandatory before undertaking any work placement. No online course is recognised by the Dept of Ed

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

Our RTO acknowledges the experience and prior learning of our students. Students who can present transcripts from other Australian RTOs or who are able to present relevant experiences in work may qualify for Credit Transfer (CT) or Recognition of Prior Learning. All applications for CT or RPL should be made to the course teacher.

Recommended Entry Requirements

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

Examples of occupations in the construction industry:

- | | | | | |
|------------|--------------|----------------|---------------|-------------|
| • building | • concreting | • shop fitting | • bricklaying | • carpentry |
|------------|--------------|----------------|---------------|-------------|

Mandatory HSC Course Requirements

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

External Assessment (optional HSC examination for ATAR purposes)

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

Competency-Based Assessment

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

Appeals and Complaints

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


Course Cost: \$80 per year plus mandatory components in Y11: \$100 (Hi Viz Long sleeve shirt, Steel Cap Boots & Safety glasses).

Refunds

Refund Arrangements on a pro-rata basis. Please refer to school refund policy

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

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

	<p>2022 MANUFACTURING AND ENGINEERING INTRODUCTION COURSE DESCRIPTION</p> <p>MEM10119 Certificate I in Engineering and Statement of Attainment towards MEM20413 Certificate II in Engineering Pathways RTO 90162 Public Schools NSW, Tamworth</p> <p>This may change due to Training Package and NSW Education Standards Authority (NESA) updates. Notification of variations will be made in due time.</p>	
<p>Course: Manufacturing & Engineering (VET Metals) Board Endorsed Course</p>	<p>2 or 4 Preliminary and/or HSC units in total Does not count for ATAR</p>	
<p>This course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation. To gain a full qualification, students must achieve all competencies. Partial completion will lead to a statement of attainment towards the qualification.</p>		
<p>Manufacturing and Engineering Training Package (MEM 2)</p> <p>Units of Competency Core</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEMPE006A Undertake a basic engineering project</p> <p>MEMPE005A Develop a career plan for the engineering and manufacturing industry</p>	<p>Electives</p> <p>MEM16006 Organise and communicate information</p> <p>MEM11011 Undertake manual handling</p> <p>MEM12024 Perform computations</p> <p>MEM18001 Use hand tools</p> <p>MEM18002 Use power tools/hand held operations</p> <p>MEM16008 Interact with computer technology</p> <p>MEM07032 Use machines for basic operations</p> <p>MEMPE001A Use engineering workshop machines</p> <p>MEMPE002A Use electric welding machines</p> <p>MEMPE004A Use fabrication equipment</p>	
<p>Students may apply for Recognition of Prior Learning and /or credit transfer provided suitable evidence is submitted.</p>		
<p>Our RTO acknowledges the experience and prior learning of our students. Students who can present transcripts from other Australian RTOs or who are able to present relevant experiences in work may qualify for Credit Transfer (CT) or Recognition of Prior Learning. All applications for CT or RPL should be made to the course teacher.</p>		
<p>Recommended Entry Requirements Students selecting this course should be interested in working in a manufacturing environment. They should be able to use hand and power tools, lift and carry small and large objects. There will be out of class homework, research activities and assignments.</p>		
<p>Examples of occupations in the hospitality industry:</p> <ul style="list-style-type: none"> ▪ fitter ▪ refrigeration & air conditioning mechanic ▪ toolmaker ▪ machinist ▪ maintenance fitter ▪ locksmith 		
<p>Mandatory HSC Course Requirements Students must complete 240 indicative hours of course work and a minimum of 35 hours of work placement over two years. Students who do not meet these requirements will be 'N' determined as required by NESA. There is no external examination in the HSC year for students.</p>		
<p>Competency-Based Assessment Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency.</p>		
<p>Appeals and Complaints Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.</p>		
<p>Course Cost: Preliminary - \$80 HSC - \$70 Plus: Anticipated costs for mandatory components in Yr 11: \$150 (long sleeve work shirt, long work pants, safety boots, safety glasses, toolbox + variety of small handtools)</p>	<p>Refunds Refund Arrangements on a pro-rata basis. Please refer to your school refund policy</p>	
<p>A school-based traineeship and apprenticeship are available in this course, for more information: http://www.sbatinnsw.info/</p>		
<p>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</p>		

 <p>NSW GOVERNMENT Education</p>	<p align="center">2022 INFORMATION and DIGITAL TECHNOLOGY COURSE DESCRIPTION Statement of Attainment towards ICT30120 Certificate III in Information Technology RTO 90162 Public Schools NSW, Tamworth</p> <p align="center">This may change due to Training Package and NSW Education Standards Authority (NESA) updates. Notification of variations will be made in due time.</p>	
<p>Course: Information and Digital Technology Board Developed Course</p>	<p>2 or 4 Preliminary and/or HSC units in total Category B for Australian Tertiary Admission Rank(ATAR)</p>	
<p>This course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation. To gain a full qualification, students must achieve all competencies. Partial completion will lead to a statement of attainment towards the qualification. This qualification reflects the role of individuals who are competent in a range of Information and Communications Technology (ICT) roles, including animation, basic cloud computing, basic cyber awareness, digital media skills, generalist IT support services, networking, programming, systems and web development. Individuals who work in these fields apply broad sets of skills, including foundational knowledge in critical thinking and customer service skills, to support a range of technologies, processes, procedures, policies, people and clients in a variety of work contexts.</p>		
<p>Information and Communications Technology TP (ICT 6.0) Units of Competency: 6 Core</p> <ul style="list-style-type: none"> ▪ BSBCRT301 Develop and extend critical and creative thinking skills ▪ BSBXCS303 Securely manage personally identifiable information and workplace information ▪ BSBXTW301 Work in a team ▪ ICTICT313 Identify IP, ethics and privacy policies in ICT environments ▪ ICTPRG302 Apply introductory programming techniques ▪ ICTSAS305 Provide ICT advice to clients 	<p>6 possible elective units could be taken from:</p> <ul style="list-style-type: none"> ▪ Group A Animation ▪ Group B Basic Cloud Computing ▪ Group C Basic Cyber Security Awareness ▪ Group D Digital Media ▪ Group E Generalist IT Support ▪ Group F IT Work Ready Skills ▪ Group G Networking ▪ Group H Programming ▪ Group I Systems ▪ Group J Web Development <p>2 electives may be taken from other endorsed training package or qualification at AQF levels 2, 3 or 4.</p>	
<p>Students may apply for Recognition of Prior Learning and/or Credit Transfer provided suitable evidence is submitted.</p>		
<p>Our RTO acknowledges the experience and prior learning of our students. Students who can present transcripts from other Australian RTOs or who are able to present relevant experiences in work may qualify for Credit Transfer (CT) or Recognition of Prior Learning. All applications for CT or RPL should be made to the course teacher.</p>		
<p>Recommended Entry Requirements Students selecting this course should be interested in working in the information technology industry. Students should be creative, cooperative and able to work in teams. They should be able to use a personal computer and lift and carry small equipment. Students should be interested in working with operating system software and have an interest in learning the various methods to troubleshoot problems. There will be out of class homework, research activities and assignments.</p>		
<p>Pathways or skills that suit working in the information technology industry could include:</p> <ul style="list-style-type: none"> • High attention to detail including accuracy and precision of work • Strong communication skills working with clients using IT services and selling equipment or service to customers • Technical knowledge of IT programs and systems and the ways they operate • Strong problem solving skills to test new systems and software and diagnose problems in systems or hardware and figure out causes. 		
<p>Examples of occupations in the Information Technology industry</p> <ul style="list-style-type: none"> • Analyst programmer • IT Manager • Motion Graphics Designer • Systems Analyst • Network professional • Web Developer 		
<p>Mandatory Course Requirements: Students must complete a minimum of 70 hours work placement. Students who do not meet these requirements will be 'N' determined as required by NESA. External Assessment (optional HSC examination for ATAR purposes) The Higher School Certificate examination for Information Technology is only available after completion of 240 indicative hours and will involve a written examination consisting of multiple-choice items, short answers and extended response items. The examination is independent of the competency-based assessment undertaken during the course and has no impact on the eligibility of a student to receive a vocational qualification.</p>		
<p>Competency-Based Assessment Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor, they can effectively carry out competency. When a student achieves a unit of competency it is signed off by the assessor. Appeals and Complaints Students may lodge an appeal or a complaint about an assessment decision or other decisions through the VET teacher.</p>		
<p>Course Cost: Preliminary - \$10HSC - \$10 School Specific equipment and associate requirements for students</p>	<p>Refunds Refund Arrangements on a pro-rata basis. Please refer to your school refund policy</p>	
<p>A school-based traineeship is available in this course, for more information: http://www.sbatinnsw.info/</p>		
<p>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</p>		

Exploring Early Childhood

Course information	
Unit value	2
ATAR Status	✗ Board Endorsed – Does NOT count
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Bruce/Mrs Wood/Mrs Ferris/Ms Gordon

Course Description

Our society is increasingly recognising children's experiences in the early childhood years as 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. The study of this course will enable students to:

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

Topics covered

Year 11 course (120 hours)

- Pregnancy and Childbirth (35%)
- Child Development (35%)
- Promoting Positive Behaviour (30%)

Year 12 course (120 hours)

- Food and Nutrition (35%)
- Child Health and Safety (35%)
- Historical and Cultural Context of Childhood (30%)



Particular Course Requirements

At least one assessment task must derive from formal examinations. Formal examinations are defined as any form of examination as used in the Higher School Certificate under conditions similar to those in the HSC for comparable tasks and which apply equally to all students at the school.

Creative and Performing Arts (CAPA)

Music 1

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Music 2, Music Extension
Course contact	Mr Neill, Mr Brunton
Course cost	\$10 in Yr11, \$10 in Yr12

Course Description

Music 1 provides students with the opportunity to acquire knowledge, skills, understanding and attitudes within a broad musical context and encourage the desire to continue learning in formal and informal music settings after school. The course provides students with opportunities to engage in a range of musical styles, including contemporary popular music, and for many, it will serve as a pathway for further training and employment in the music industry or in contemporary music fields.

The aim of Music 1 Stage 6 is to provide students with the opportunity to acquire knowledge, skills and experiences and to emerge as musically sensitive and capable individuals with the capacity and desire for music to play a significant and continually developing role in their lives.

Topics covered

Students will study

Performance:

The development of performance skills will be offered through extensive performance opportunities in a variety of media, styles and genres according to individual needs, interests and abilities.

Composition:

The development of knowledge and skills in composing gained from being involved in a wide range of experiences in class activities.

Musicology:

Students will have experiences in:

- Analysing how the concepts of music influence repertoire
- Analysing music from a variety of topics
- Investigating some of the cultural contexts of music



Aural:

Students will develop skills in order to aurally recognise, analyse and comment on:

- The concepts of music
- The use of technology
- Music of various cultures
- Unity, contrast and style

Visual Arts

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Neill
Course cost	\$60 in Yr11, \$60 in Yr12

Course Description

Visual Arts involves students in the practices of artmaking, art criticism and art history. Students develop their own artworks. 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 broad, while the HSC course provides for deeper, increasingly more independent investigations. The course builds on Visual Arts courses in Stages 4 and 5, but also caters for students with more limited experience in Visual Arts.

Topics covered

Year 11 course (120 hours)

- 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.

Year 12 course (120 hours)

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

Particular Course Requirements:

Preliminary Course

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

HSC Course

- development of a body of work and use of a process diary
- a minimum of five Case Studies (4–10 hours each)
- deeper and more complex investigations of ideas in art criticism and art history.



Visual Design

Course information	
Unit value	2
ATAR Status	✗ Board Endorsed – Does NOT count
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Neill
Course cost	\$60 in Yr11, \$60 in Yr12

Course Description

This course provides students with opportunities to exploit the links between art and design by designing and making images and objects in which aesthetic qualities and symbolic meanings are as important as utilitarian function. It encourages students to explore the practices of graphic, wearable, product, and interior/exterior designers in contemporary societies and promotes imaginative and innovative approaches to design within the context of the Australian environment and culture.

Through the critical and historical study of designed images and objects students are able to analyse and make informed judgements about the designed works that surround them – works which reflect and construct the image they have of themselves, others and their world.

The course 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 design, wearable design, product design, and interior/exterior design, invite different interpretations and explanations. Students develop knowledge, understanding and skills through the making of works in design that lead to and demonstrate conceptual and technical accomplishment. They also develop knowledge, understanding and skills that lead to increasingly accomplished critical and historical investigations of design.

Topics covered

Modules may be selected in any of the four broad fields of:

- Graphic Design
- Wearable Design
- Product Design
- Interior/Exterior Design.

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 explore the connections further between the fields. The Occupational Health and Safety Module is mandatory in any course.



Photography

Course information	
Unit value	2
ATAR Status	✗ Board Endorsed – Does NOT count
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mr Neill
Course cost	\$70 in Yr11, \$70 in Yr12

Course Description

Photography, Video and Digital Imaging offers students the opportunity to explore contemporary artistic practices that make use of photography, video and digital imaging. These fields of artistic practice resonate within students' experience and understanding of the world and are highly relevant to contemporary ways of interpreting the world. The course offers opportunities for investigation of one or more of these fields and develops students' understanding and skills, which contribute to an informed critical practice.

The course 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 understand and value how these fields of practice invite different interpretations and explanations.

Students develop knowledge, understanding and skills through the making of photographs, and/or videos and/or digital images that lead to and demonstrate conceptual and technical accomplishment. They also develop knowledge, understanding and skills that lead to increasingly accomplished critical and historical investigations of photography and/or video and/or digital imaging.

Topics covered

Modules may be selected in any of the three broad fields of:

- Wet Photography
- Video
- Digital Imaging.

Modules include:

- Introduction to the Field
- Developing a Point of View
- Traditions, Conventions, Styles and Genres
- Manipulated Forms
- The Arranged Image
- Temporal Accounts.



An Occupational Health and Safety Module is mandatory. 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 explore the connections further between the fields.

Particular Course Requirements:

Students are required to keep a diary throughout the course.

Dance

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	None
Course contact	Mrs Dewberry
Course cost	No course cost; however, students must purchase the required HSC dance wear.

Course Description

This course provides students with the opportunity to undertake a study of Dance as an art form. Students study three interrelated components; Performance, Composition and Appreciation and develop their understanding of dance practice in relation to a wider appreciation of dance artists and their work. Students undertake an in-depth study of dance in a major study of one of the three components.

Topics covered

Year 11 course (120 hours)

There is an equal emphasis on the components of Performance, Composition and Appreciation in the study of Dance. Students studying Dance bring with them a wide range of prior dance experience. Physical training and preparation of the body is fundamental and of paramount importance to the course and informs all three components of the course.

Year 12 course (120 hours)

Students continue common study in the three course components of Performance, Composition and Appreciation and also undertake an in-depth study of dance in one of the Major Study components – Performance, Composition, Appreciation or Dance and Technology.

Particular Course Requirements:

The interrelation of the course components is a major feature in the study of dance as an artform and is emphasised throughout both courses.

Students selecting Dance are required to keep a process diary of the development of all practical core and major study components.



Courses for Year 12 2023

These subjects only run in Year 12

Mathematics Standard 2

Course information	
Unit value	2
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	None
Exclusions	Mathematics (Advanced), Mathematics Extension, Mathematics Standard 1
Course contact	Mrs O'Connor

Course Description

The Mathematics Standard 2 course is designed for those students who want to extend their mathematical skills beyond Stage 5 but are not seeking the in-depth knowledge of higher mathematics that the study of calculus would provide. The course focuses on enabling students to use mathematics effectively, efficiently and critically to make informed decisions in their daily lives. It provides students with the opportunities to develop an understanding of, and competence in, further aspects of mathematics through a large variety of real-world applications for a range of concurrent HSC subjects. This course provides an appropriate mathematical background for students entering the workforce or undertaking further tertiary training.

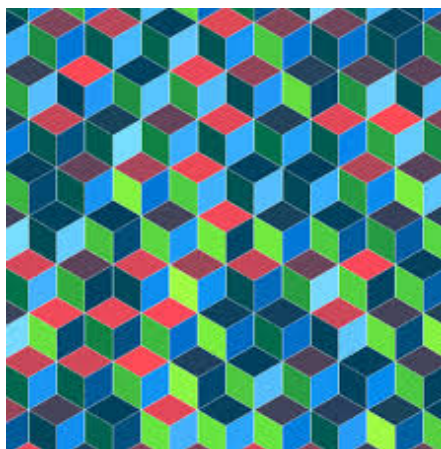
All students studying the Mathematics Standard 2 course will sit for a HSC examination.

In Year 12, students choose either Standard 1 or Standard 2 after completing the common Mathematics Standard Course in Year 11.

Topics covered

Year 12 course (120 hours)

- Algebra: Types of Relationships
- Measurement: Non-right-angled Trigonometry, Rates and Ratios
- Financial Mathematics: Investments and Loans, Annuities
- Statistical Analysis: Bivariate Data Analysis, The Normal Distribution
- Networks: Network Concepts, Critical Path Analysis



Mathematics Standard 1

Course information	
Unit value	2
ATAR Status	✓ Category B, Board Developed
Prerequisite/Corequisite	None
Exclusions	Mathematics (Advanced), Mathematics Extension, Mathematics Standard 2
Course contact	Mrs O'Connor

Course Description

This new Mathematics Standard 1 course is designed to help students improve their numeracy by building their confidence and success in making mathematics meaningful. Numeracy is more than being able to operate numbers. It requires mathematical knowledge and understanding, mathematical problem-solving skills and literacy skills, as well as positive attitudes. When students become numerate they are able to manage a situation or solve a problem in real contexts, such as everyday life, work or further learning. This course provides an appropriate mathematical background for students entering the workforce and/or undertaking further community and workplace training.

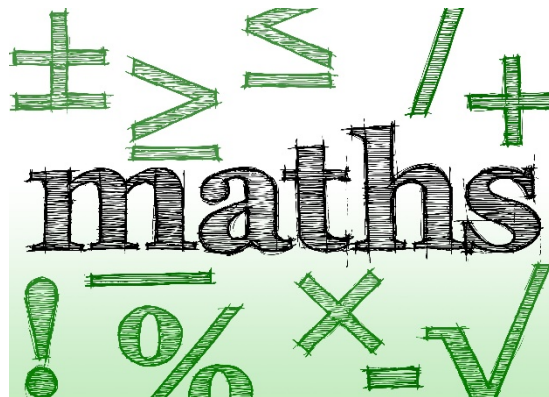
In Year 12, students choose either Standard 1 or Standard 2 after completing the common Mathematics Standard Course in Year 11.

To be eligible for an ATAR, students studying the Mathematics Standard 1 course must undertake a pattern of study to satisfy the ATAR requirements and complete the optional HSC examination. For the purposes of calculating the ATAR, no more than 2 units from Category B courses can be included.

Topics covered

Year 12 course (120 hours)

- Algebra: Types of Relationships
- Measurement: Right-angled Triangles, Rates, Scale Drawings
- Financial Mathematics: Investment, Depreciation and Loans
- Statistical Analysis: Further Statistical Analysis
- Networks: Networks and Paths



Mathematics Extension 2

Course information	
Unit value	1
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	Mathematics (Advanced), Mathematics Extension 1
Exclusions	Mathematics Standard 1 & 2
Course contact	Mrs O'Connor

Course Description

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

The Mathematics Extension 2 Year 12 course includes the Mathematics Extension 1 Year 12 course and the Mathematics Advanced Year 12 course.

The Mathematics Advanced, Mathematics Extension 1 and Mathematics Extension 2 Stage 6 courses form a continuum.

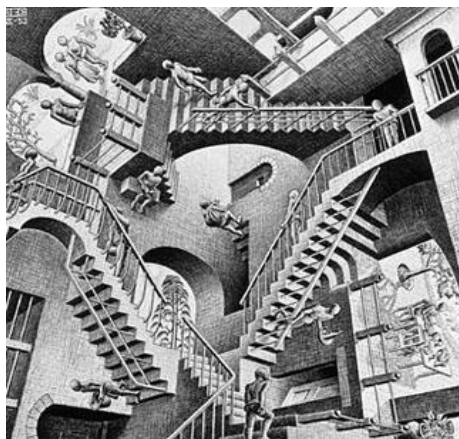
All students studying the Mathematics Extension 2 course will sit for an HSC examination.

Topics covered

Year 12 course (60 hours)

The Mathematics Extension 2 course comprises five Topics, with the Topics divided into Subtopics.

- Proof
 - The Nature of Proof
 - Further Proof by Mathematical Induction
- Vectors
 - Further Work with Vectors
- Complex Numbers
 - Introduction to Complex Numbers
 - Using Complex Numbers
- Calculus
 - Further Integration
- Mechanics
 - Applications of Calculus to Mechanics



English Extension 2

Course information	
Unit value	1
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	Must be studied with English Advanced and English Extension 1
Exclusions	English Standard, English Studies
Course contact	Mrs Taylor/Mrs Kemmis

Course Description

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

In the English Extension 2 Year 12 course, students develop a sustained composition, and document their reflection on this process.

The course requires students to undertake a composition process in order to complete a Major Work and Reflection Statement.



History Extension

Course information	
Unit value	1
ATAR Status	✓ Category A, Board Developed
Prerequisite/Corequisite	Either Ancient or Modern History
Exclusions	None
Course contact	Ms Carle

Course Description

History Extension provides students with opportunities to examine the way history is constructed and the role of historians. Students investigate the nature of history and changing approaches to its construction through sampling the works of various writers, historians and others involved in the practice of history. Students apply their understanding to undertake an individual investigative project, focusing on an area of changing historical interpretation.

Topics covered

Year 12 course (60 hours)

The course comprises two sections.

Constructing History

- Key questions
 - Who are historians?
 - What are the purposes of history?
 - How has history been constructed, recorded and presented over time?
 - Why have approaches to history changed over time?
- Case studies
 - Students develop their understanding of significant historiographical ideas and methodologies by exploring one case study, with reference to three identified areas of debate and the key questions.

History Project

Students will undertake an individual investigative project, focusing on an area of changing historical interpretation.

Course requirements

The course requires students to undertake:

- one case study
- the development of one History Project.



Course Planner

Subject selections are made online and you will need this sheet to assist you in entering your choices.

Name: _____

- 1 What are your intentions for next year? (please tick)
- I will be going into employment I will be returning to SGHS
- I do not know I will be going to TAFE

- 2 In the space below indicate subjects that you would like to study. Remember English **must** be one of these subjects.

Subject	Category	Units	E

IMPORTANT: You must study, over both Years 11 and 12, a minimum of **six** units of Board developed courses to be awarded a Higher School Certificate.

- 3 It may not be possible to run some of the subjects you have selected or timetable this combination of subjects therefore you must nominate alternative subject choices which will automatically be substituted if this is the case.

Substitute Subject	Category	Units
1		
2		

- 4 Is the workload attached to this choice of subjects realistic for you? Take into account both your present and past work and study habits and level of achievement. Yes No

5 What career do you intend to follow when you leave school?

6 Where do you need to go in order to achieve this/these qualification(s)?
Name of the TAFE, college or university:

Name of the course:

7 Are there any HSC courses that are considered essential for this career? If this is so, place an X in the box marked **E** next to the subject(s) that are considered to be essential.

8 Do you need an ATAR (Australian Tertiary Admission Rank)? Yes Uncertain No

9 If yes, have you checked the ATAR that you will require for admission into university or other tertiary education courses? What is the required ATAR? ATAR