WEST WYALONG HIGH SCHOOL



SUBJECT SELECTION BOOKLET

Year 11 – 2024 Higher School Certificate - 2025

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WEST WYALONG HIGH SCHOOL

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Requirements for a Higher School Certificate (HSC)

- You must have completed Year 10 or other similar qualification approved by the NSW Education Standards Authority (NESA);
- You must have satisfactorily completed courses that meet the pattern of study required by the NSW Education Standards Authority (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.
- You must have sat for and made a serious attempt at the mandatory Higher School Certificate examinations.
- You must study a minimum of 12 units in the Year 11 course and a minimum of 10 units in the HSC course. Both the Year 11 course and the HSC course must include the following:
 - At least 6 units from Board Developed Courses including at least 2 units of a Board Developed Course in English.
 - At least three courses of 2 units value or greater.
 - At least four subjects.
- Students in NSW will need a minimum standard of literacy and numeracy to receive the HSC.
- The NSW Education Standards Authority (NESA) publication, Studying for the New South Wales
 Higher School Certificate An Information Booklet for Year 10 students contains all the HSC
 rules and requirements you will need to know.
- You must satisfactorily complete the **HSC: All My Own Work** program in ethical scholarship.

HSC minimum standard

Students need reading, writing and numeracy for everyday life after school. This is why students in NSW are being supported to meet a minimum standard of literacy and numeracy to receive the HSC. To show they meet the HSC minimum standard, students need to achieve Level 3 or 4 in short online reading, writing and numeracy tests of skills for everyday life. Some students with disability studying Life Skills courses may be exempt from meeting the minimum standard to receive their HSC credential. Together with the NSW Literacy and Numeracy Strategy, the HSC minimum standard is part of an effort to improve the literacy and numeracy outcomes for students.

Sitting for the tests after the HSC

Students who do not demonstrate the minimum standard before they complete Year 12, can apply to sit for one or more minimum standard online tests after they leave school. To be eligible, you need to have fulfilled all your HSC requirements except for the minimum standard of literacy and/or numeracy. You can sit for the tests up to 5 years after starting your first HSC course. There is no cost to sit for the test(s).

Australian Tertiary Admissions Rank (ATAR) requirements

If you wish to receive the Australian Tertiary Admissions Rank (ATAR), you must study a minimum of 10 Board Developed (ATAR) units in the HSC Course. These courses must include at least:

- 10 units of Board Developed courses;
- 2 units of English
- Three Board Developed courses of 2 units or greater;

Four subject areas.

Your ATAR is then calculated from your:

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

For details on how the ATAR is calculated, go to uac.edu.au/atar.

NB: To use a category B subject for an ATAR you MUST sit the examination.

Please see your Careers Advisor for further information regarding University entry requirements. in Years 11 and 12 in preparation for university entry.

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

If you do not choose subjects for an ATAR (University) pathway in Year 11, you cannot change your mind later so it is important to be sure or keep your options open.

Requirements to "satisfactorily complete a course"

The following course completion criteria refer to both Year 11 and HSC courses -

- A student will be considered to have satisfactorily completed a course if in the Principal's view, there is sufficient evidence that the student has:
 - (a) followed the course developed or endorsed by the Board; and
 - (b) applied themselves with diligence and sustained effort to the set tasks and experiences provided in the course by the school;
 - (c) achieved some or all of the course outcomes.
- Consequently, the Principal may determine, in the event of poor attendance, a student has not satisfied course criteria and may withdraw that student's entry for the Higher School Certificate. Students will receive warning if they are at risk of this happening.

NOTE:

- Year 11 Courses run in Year 11, Terms 1 to 3.
- HSC Courses run thereafter.
- Students must satisfactorily complete the Year 11 Course in a subject to attempt the HSC Course in that subject.

What sort of senior student will you be?

WHAT SORT OF SENIOR STUDENT WILL YOU BE?

- Are you considering University, TAFE or Employment after the HSC?
- Are you wanting to do a highly academic or more vocational HSC?
- Are you considering a Part Time School Based Traineeship accessing TAFE, School and Employment?
- Are you considering a Pathways HSC?

WHICH DESCRIPTION SOUNDS LIKE YOU?

- I need more time at school to...
- I need an ATAR for a career...
- I want TAFE qualifications and my HSC...
- I want to join the defence forces...
- I am going to do the HSC because...
- I have high academic expectations and I want to get the best education I can get...

WHAT SORT OF SENIOR STUDENT WILL YOU BE? ... a 'One'

- I am returning to school because there is now a legal requirement for me to do so.
- If I get offered a job I'd probably leave.
- I definitely do not want an ATAR.
- I am interested in taking up a school-based traineeship or apprenticeship.
- I would prefer my subjects to be practical and career oriented.
- I would like to be in paid work as well doing my HSC.

WHAT SORT OF SENIOR STUDENT WILL YOU BE? ... a 'Two'

- I might return to Year 11 because I'm not sure what I want to do yet.
- I am thinking about taking up a school-based traineeship or apprenticeship.
- If I get offered a job I'd probably leave.
- I have found school generally pretty tough, especially subjects with only a few practical elements.
- I would like my courses to be focused on a career or a job.

WHAT SORT OF SENIOR STUDENT WILL YOU BE? ... a 'Three'

- I want to return to Year 11 and get my HSC.
- I don't know if I want to go to University.
- I want an ATAR just in case.
- I enjoy some subjects but not everything.
- I am thinking about a mixture of vocational and academic courses but only one VET course.

WHAT SORT OF SENIOR STUDENT WILL YOU BE? ... a 'Four'

- I intend on going to university.
- I need a positive ATAR result.
- I want most courses to be academic and challenging.
- I am aware of how much work is required to succeed if I make these choices.
- I need Advanced English.
- I have high academic expectations and I want to get the best education I can get.

WHATEVER YOUR REASON THERE IS A PATTERN OF STUDY THAT WILL BEST SUIT YOUR NEEDS – SO CHOOSE CAREFULLY

The rule is the same.....INFORMED DECISIONS WILL MAKE THE HSC WORK FOR YOU!

CONSIDER...

- The world of work and life after school has already dramatically changed and will undergo even greater change in the future.
- Your education will be lifelong.
- No job is guaranteed for life.
- Most of you will work in a number of different jobs in your working life.
- The rapid changes in technology will continue and it is likely that 50% of the jobs that you will undertake have not been invented yet.

WHEN YOU CONSIDER YOUR SUBJECT CHOICES...

- It is important to examine your options carefully and look at future pathways that give you the best opportunity for success and happiness.
- A thorough knowledge of options available, a realistic sense of your abilities, strengths and weaknesses and sound decision making skills are the key areas to be mastered.

Table of Subjects and options recommended for 1, 2, 3, 4

	Subject	1	2	3	4
	English Advanced				✓
	English Standard	✓	✓	✓	✓
	Ancient History			✓	✓
	Biology			✓	✓
	Business Studies		✓	✓	✓
	Chemistry				✓
	Geography		✓	✓	✓
	Investigating Science			✓	✓
	Legal Studies			✓	✓
	Mathematics Advanced				✓
	Mathematics Advanced + Mathematics Extension 1				✓
	Mathematics Standard 2	✓	✓	✓	✓
	Music 1		✓	✓	✓
	Music 2			✓	✓
	PDHPE			✓	✓
	Physics				✓
	Visual Arts		✓	✓	✓
Nume	racy (Content endorsed course)	✓	✓		
Sport,	Lifestyle and Recreation (Board endorsed course)	✓	✓		
Work	Studies (Board endorsed course)	✓	✓		
	English Studies	✓	✓	✓	✓
<u> </u>	Mathematics Standard 1	✓	✓	✓	
Jo	VET Agriculture (Primary Industries)	✓	✓	✓	✓
Category B	VET Construction	✓	✓	✓	✓
Ca	VET Engineering	✓	✓		
	VET Hospitality	✓	✓	✓	✓

School Delivered Courses (ATAR)

English (Advanced)

Course No: 11140/15140	2 units for Year 11 Course and Year 12 (HSC).
	Board Developed Course.

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

Course Description

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.

Main Topics Covered

Year 11 Course – The course has two sections:

Content common to the English Standard and English Advanced courses is undertaken through a unit of work called *Reading to Write: Transition to Senior English*. Students explore texts and consolidate skills required for senior study.

Two additional modules: *Critical Study of Literature*, and *Narratives that Shape our World* in which students explore, examine and analyse the ways in which texts and contexts shape and are shaped by different attitudes and values.

HSC Course - The course has two sections:

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

Three additional modules which emphasise particular aspects of shaping meaning and representation, questions of textual integrity, ways in which texts are valued and the demonstration of the effectiveness of texts for different audiences and purposes.

Particular Course Requirements

Across the English Advanced Stage 6 course students are required to study:

a range of types of texts inclusive of prose fiction, drama, poetry, nonfiction, film, media and digital texts texts which are widely regarded as quality literature, including a range of literary texts written about intercultural experiences and the peoples and cultures of Asia

a range of Australian texts, including texts by Aboriginal and/or Torres Strait Islander authors and those that give insights into diverse experiences of Aboriginal and/or Torres Strait Islander Peoples Texts with a wide range of cultural, social and gender perspectives.

Year 11

Students are required to study:

a range of types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts a wide range of additional related texts and textual forms.

HSC

Students are required to study:

at least four prescribed texts, one drawn from each of the following categories: Shakespearean drama; prose fiction; poetry or drama. The remaining text may be film or media or a nonfiction text <u>or</u> may be selected from one of the categories already used

at least two additional prescribed texts from the list provided in *Module C: The Craft of Writing* at least one related text in the *Common module: Texts and Human Experiences*.

English Standard

Course No: 11130/15130	2 units for Year 11 and Year 12 (HSC).
	Board Developed Course.

Exclusions: English Advanced; English Studies; English EAL/D; English Extension

Course Description

In the English Standard Year 11 course, students learn about language and literature by exploring and experimenting with the ways events, experiences, ideas and processes are represented in and through texts. Students study a range of texts which include prose fiction, drama, poetry, nonfiction, film, digital and media, as well as Australian texts.

In the English Standard Year 12 course, students further strengthen their knowledge and understanding of language and literature by reflecting on and demonstrating the effectiveness of texts, including their own, for different audiences and purposes. Students study at least three types of prescribed texts drawn from: prose fiction; poetry or drama; film or media or nonfiction texts.

In this course, students will consolidate their English literacy skills in order to enhance their personal, social, educational and vocational lives.

Main Topics Covered

Year 11 Course – The course has two sections:

- Content common to the English Standard and English Advanced courses is undertaken through a unit of work called *Reading to Write: Transition to Senior English*. Students explore texts and consolidate skills required for senior study.
- Two additional modules: Close Study of Literature, and Contemporary Possibilities in which students explore and examine texts and analyse aspects of meaning.

HSC Course – The course has two sections:

- The HSC Common Content consists of one module Texts and Human Experiences which is common to the HSC Standard, the HSC Advanced and the HSC English Studies courses where students analyse and explore texts and apply skills in synthesis.
- Three additional modules which emphasise particular aspects of shaping meaning and demonstration of the effectiveness of texts for different audiences and purposes.

Particular Course Requirements

Across the English Standard Stage 6 Course students are required to study:

- a range of types of texts inclusive of prose fiction, drama, poetry, nonfiction, film, media and digital texts
- texts which are widely regarded as quality literature, including a range of literary texts written about intercultural experiences and the peoples and cultures of Asia
- a range of Australian texts, including texts by Aboriginal and/or Torres Strait Islander authors and those
 that give insights into diverse experiences of Aboriginal and/or Torres Strait Islander Peoples
- texts with a wide range of cultural, social and gender perspectives.

In the **Year 11 English (Standard) Course** students are required to study:

- one complex multimodal or digital text in Module A (this may include the study of film)
- 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
- a range of types of texts drawn from prose fiction, drama, poetry, nonfiction, film, media and digital texts
- a wide range of additional related texts and textual forms.

HSC English (Standard) Course are required to study:

- at least three types of prescribed text, one drawn from each of the following categories: prose fiction; poetry or drama; film or media or nonfiction texts
- at least two additional prescribed texts from the list provided in Module C: The Craft of Writing
- at least one related text in the Common module: Texts and Human Experiences.

English Studies

Course No: 30105/15125	2 units for Year 11 and Year 12 (HSC).
	Board Developed Course.
	This is a CATEGORY B subject.

Exclusions: English Advanced; English Standard; English EAL/D; English Extension

Course Entry Guidelines

This course is designed to meet the specific needs of students who wish to refine their skills and knowledge in English and consolidate their literacy skills. It is a course for students who are seeking an alternative to the English Standard course and who intend to proceed from school directly into employment or vocational training. Due to changes in the English Studies course, students considering choosing this course should be advised that:

- English Studies is now a Stage 6 Board Developed Course with an optional HSC examination.
- Students who complete the course and elect to take the optional Higher School Certificate examination will be reported on a Common Scale with the English Standard and English Advanced courses.
- Students choosing not to sit for the English Studies HSC examination will still be eligible for the HSC.
- The status of ATAR eligibility is not yet determined.

Course Description

In the English Studies course, students explore the ideas, values, language forms, features and structures of texts in a range of personal, social, cultural and workplace contexts. They respond to and compose texts to extend experience and understanding, access information and assess its reliability, and synthesise the knowledge gained from a range of sources for a variety of purposes.

In this course, students will consolidate their English literacy skills to enhance their personal, social, educational and vocational lives.

Main Topics Covered

Year 11 Course

- Students study the mandatory module, *Achieving through English: English in education, work and community* to develop an understanding of, and practical competence in, the use of language that allows access to opportunities in schooling, training and employment.
- Students study 2–4 additional syllabus modules (selected based on their needs and interests).
- Students may also study an optional teacher-developed module.

Year 12

- The HSC Common Content consists of one module *Texts and Human Experiences* which is also common to the HSC Standard and the HSC Advanced courses where students analyse and explore texts and apply skills in synthesis.
- Students study 2-4 additional syllabus modules (selected based on their needs and interests).
- Students may also study an optional teacher-developed module.

Particular Course Requirements

Across the English Studies Stage 6 Course students are required to study:

- a range of types of texts inclusive of prose fiction, drama, poetry, nonfiction, film, media and digital texts
- texts which are widely regarded as quality literature, including a range of literary texts written about intercultural experiences and the peoples and cultures of Asia
- a range of Australian texts, including texts by Aboriginal and/or Torres Strait Islander authors and those
 that give insights into diverse experiences of Aboriginal and/or Torres Strait Islander Peoples
- texts with a wide range of cultural, social and gender perspectives.

Year 11 Course and HSC

Students are required to:

- read, view, listen to and compose a wide range of texts including print and multimodal texts
- study at least one substantial print text (for example a novel, biography or drama)
- study at least one substantial multimodal text (for example film or a television series)
- 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, for example, visits, surveys, interviews, work experience, listening to guest speakers and/or excursions.

HSC Course

In addition to the above requirements, students in Year 12 only are required to:

• study ONE text from the prescribed text list and one related text for the Common Module – Texts and Human Experiences.

Ancient History

Course No: 11020/15020	2 units for Year 11 (Preliminary) and Year 12 (HSC).
	Board Developed Course.

Exclusions: Nil

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.

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.

Main Topics Covered

Year 11 Course

The Year 11 course comprises three sections.

- Investigating Ancient History (60 indicative hours including 'The Nature of Ancient History' and 'Case Studies')
- Students undertake at least one option from 'The Nature of Ancient History', and at least two case studies.

Features of Ancient Societies (40 indicative hours)

• Students study at least two ancient societies.

Historical Investigation (20 indicative hours)

• Historical concepts and skills are integrated with the studies undertaken in Year 11.

HSC Course

The Year 12 course comprises four sections.

- Core Study: Cities of Vesuvius Pompeii and Herculaneum (30 indicative hours)
- One 'Ancient Societies' topic (30 indicative hours)
- One 'Personalities in their Times' topic (30 indicative hours)
- One 'Historical Periods' topic (30 indicative hours)

Historical concepts and skills are integrated with the studies undertaken in Year 12.

Particular Course Requirements

Year 11 Course

In the Year 11 course, students undertake at least two case studies.

- One case study must be from Egypt, Greece, Rome or Celtic Europe, and
- One case study must be from Australia, Asia, the Near East or the Americas.

HSC

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

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

Biology

Course No: 11030/15030	2 units for Year 11 Course and Year 12 (HSC).
	Board Developed Course.

Exclusions: 16644 Living World Life Skills (Yr 11 & Yr 12)

Prerequisites: Nil

Pattern of study: A student may count up to:

- Year 11 six (6) units of science, or
- Year 12 seven (7) units of science to satisfy pattern of study requirements for the HSC.

Course Description

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.

Students who have shown an achievement in, and/or aptitude for, any of the Stage 6 Science courses: Biology, Chemistry, Earth and Environmental Science, Investigating Science or Physics, in Year 11 may choose to study Science Extension in Year 12.

What students learn:

The Year 11 course consists of four modules.

Module 1 Cells as the Basis of Life

Module 2 Organisation of Living Things

Module 3 Biological Diversity

Module 4 Ecosystem Dynamics

The Year 12 course consists of four modules.

Module 5 Heredity

Module 6 Genetic Change

Module 7 Infectious Disease

Module 8 Non-infectious Disease and Disorders

Course Requirements

Students are provided with 15 hours of course time for Depth Studies in both Year 11 and Year 12. During this time students may undertake an investigation/activity that allows for the further development of one or more scientific concepts.

A depth study may be one investigation/activity or a series of investigations/activities. Depth studies may be included in one module or across several modules.

Practical investigations are an essential part of the Year 11 and Year 12 courses and must occupy a minimum of 35 hours of course time each year.

Fieldwork is also mandated in Year 11 and is an integral part of the learning process.

Business Studies

Course No: 11040/15040 2 units for each of the Year 11 Course and HSC Board Developed Course	
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Exclusions: Nil

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.

Year 11 Course

Nature of business (20%) – the role and nature of business

Business management (40%) – the nature and responsibilities of management

Business planning (40%) – establishing and planning a small to medium enterprise

HSC Course

Operations (25%) – strategies for effective operations management

Marketing (25%) – development and implementation of successful marketing strategies

Finance (25%) – financial information in the planning and management of business

Human resources (25%) – human resource management and business performance

Chemistry

Course No: 11050/15050	2 units for Year 11 Course and Year 12 (HSC).
	Board Developed Course.

Exclusions: 16648 Chemical World Science Life Skills (Yr 11 & Yr 12).

Prerequisites: Nil

Pattern of study: A student may count up to:

- Year 11 6 units of science or
- Year 12 7 units of science to satisfy pattern of study requirements for the HSC.

Course Description

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.

Students who have shown an achievement in, and/or aptitude for, any of the Stage 6 Science courses: Biology, Chemistry, Earth and Environmental Science, Investigating Science or Physics, in Year 11 may choose to study Science Extension in Year 12.

What students learn:

The Year 11 course consists of four modules.

Module 1 Properties and Structure of Matter

Module 2 Introduction to Quantitative Chemistry

Module 3 Reactive Chemistry

Module 4 Drivers of Reactions

The Year 12 course consists of four modules.

Module 5 Equilibrium and Acid Reactions

Module 6 Acid/base Reactions

Module 7 Organic Chemistry

Module 8 Applying Chemical Ideas

Course Requirements

Students are provided with 15 hours of course time for Depth Studies in both Year 11 and Year 12. During this time students may undertake an investigation/activity that allows for the further development of one or more scientific concepts.

A depth study may be one investigation/activity or a series of investigations/activities. Depth studies may be included in one module or across several modules.

Practical investigations are an essential part of the Year 11 and Year 12 courses and must occupy a minimum of 35 hours of course time each year.

Geography

Course No: 11190/15190 2 units for each of Year 11 Course and HSC Board Developed Course
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Exclusions: Nil

Course Description

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

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

Main Topics Covered

Year 11 course

Earth's natural systems People, patterns and processes Human-environment interactions Geographical investigations

Year 12 course

Global sustainability Rural and urban places Ecosystems and global biodiversity

Particular Course Requirements

The geographical inquiry skills and tools content is to be integrated throughout the course. The focus areas and studies provide the contexts for developing and applying inquiry skills and tools.

Twelve (12) hours of fieldwork are mandatory for the Year 11 course. Fieldwork may be integrated within one or more of the following focus areas – Earth's natural systems; People, patterns and processes; Human–environment interactions, as appropriate.

Twelve (12) hours of fieldwork are mandatory for the Year 12 course. Fieldwork may be integrated within an individual focus area or across focus areas as appropriate.

Investigating Science

Course No: 11215/15215 2 units for Year 11 Course and Year 12 (HSC) Board Developed Course.

Exclusions: 16642 Investigating Science Life Skills (Yr 11 & Yr 12).

Prerequisites: Nil

Pattern of study: A student may count up to:

- Year 11 six (6) units of science or
- Year 12 seven (7) units of science to satisfy pattern of study requirements for the HSC.

Course Description

The Year 11 course focuses on the centrality of observation in initiating the scientific process and examines the human tendency to draw inferences and make generalisations from these observations. Students learn about the development and use of scientific models and the similarities and differences between scientific theories and laws.

The Year 12 course builds on the skills and concepts learnt in Year 11 with students conducting their own scientific investigations and communicating their findings in scientific reports. Students are provided with the opportunity to examine the interdependent relationship between science and technology and apply their knowledge, understanding and skills to scientifically examine a claim. The course concludes with students exploring the ethical, social, economic and political influences on science and scientific research in the modern world.

Students who have shown an achievement in, and/or aptitude for, any of the Stage 6 Science courses: Biology, Chemistry, Earth and Environmental Science, Investigating Science or Physics, in Year 11 may choose to study Science Extension in Year 12.

What students learn:

The Year 11 course consists of four modules.

Module 1 Cause and Effect - Observing

Module 2 Cause and Effect - Inferences and

Generalisations

Module 3 Scientific Models

Module 4 Theories and Laws

The Year 12 course consists of four modules.

Module 5 Scientific Investigations

Module 6 Technologies

Module 7 Fact or Fallacy?

Module 8 Science and Society

Course Requirements

Students are provided with 30 hours of course time for Depth Studies in each of Year 11 and Year 12. During this time students may undertake an investigation/activity that allows for the further development of one or more scientific concepts.

A depth study may be one investigation/activity or a series of investigations/activities. Depth studies may be included in one module or across several modules.

Practical investigations are an essential part of the Year 11 and Year 12 courses and must occupy a minimum of 35 hours of course time each year.

Legal Studies

Course No: 15220	2 units for each of the Year 11 Course and HSC Board Developed Course

Exclusions: Nil

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. This is achieved by investigating, analysing and synthesising legal information and investigating legal issues from a variety of perspectives.

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

Year 11 Course

- Part I The Legal System (40% of course time)
- Part II The Individual and the Law (30% of course time)
- Part III The Law in Practice (30% of course time)

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.**

HSC Course

- Core Part I: Crime (30% of course time)
- Core Part II: Human Rights (20% of course time)
- Part III: Two options (50% of course time)

Two options are chosen from:

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

Each topic's **themes and challenges** should be integrated into the study of the topic.

Key themes incorporated across all topics: Justice, law and society; Culture, values and ethics; Conflict and cooperation; Continuity and change; Legal processes and institutions; Effectiveness of the legal system.

Particular Course Requirements

No special requirements.

Mathematics Advanced

Course No: 11255/15255	2 units for each of the Year 11 Course and HSC
	Board Developed Course

Students may not study the Mathematics Advanced course in conjunction with the **Exclusions:** Mathematics Standard 1 or the Mathematics Standard 2 course.

Prerequisites: The outcomes and content in the Mathematics Advanced Stage 6 syllabus are written with the assumption that students studying this course will have engaged with all substrands of Stage 5.1 and Stage 5.2. The following substrands of Stage 5.3 – Algebraic Techniques, Surds and Indices, Equations, Linear Relationships, Trigonometry and Pythagoras' theorem and Single Variable Data Analysis and at least some of the content from the following substrands of Stage 5.3 - Non-Linear Relationships and Properties of Geometrical Figures should have been covered. Content in the NSW Mathematics K-10 Syllabus up to and including this level is also implicit in this syllabus. In a number of cases where content from Stage 5 is included it is in the context of review for clarity and completeness.

Schools have the opportunity to review other areas of Stage 5 content as appropriate to meet the needs of students.

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.

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

The study of Mathematics Advanced in Stage 6:

- enables students to develop their knowledge, understanding and skills in working mathematically and in communicating concisely and precisely
- provides opportunities for students to consider various applications of mathematics in a broad range of contemporary contexts through the use of mathematical modelling and use these models to solve problems related to their present and future needs
- provides opportunities for students to develop ways of thinking in which problems are explored through observation, reflection and reasoning
- provides a basis for further studies in disciplines in which mathematics and the skills that constitute thinking mathematically have an important role
- provides an appropriate mathematical background for students whose future pathways may involve mathematics and its applications in a range of disciplines at the tertiary level.

Main Topics Covered:

Year 11

Topic: Functions

Working with Functions

Topic: Trigonometric Functions

- Trigonometry and Measure of Angles
- Trigonometric Functions and Identities

Topic: Calculus

• Introduction to Differentiation

Topic: Exponential and Logarithmic Functions

Logarithms and Exponentials

Topic: Statistical Analysis

Probability and Discrete Probability Distributions

Year 12

Topic: Functions

Graphing Techniques

Topic: Trigonometric Functions

Trigonometric Functions and Graphs

Topic: Calculus

- **Differential Calculus**
- The Second Derivative
- Integral Calculus

Topic: Financial Mathematics

Modelling Financial Situations

Topic: Statistical Analysis

- Descriptive Statistics and Bivariate Data **Analysis**
- Random Variables

Mathematics Extension 1

Course No: 11250/15250	1 unit Year 11 Course Board Developed Course. 1 unit Year 12 (HSC) Board Developed Course.
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Exclusions: Students may **not** study the Mathematics Extension 1 course in conjunction with the

Mathematics Standard 1 or the Mathematics Standard 2 course.

Prerequisites: The Mathematics Extension 1 Year 11 course has been developed on the assumption that students have studied the content and achieved the outcomes of the NSW Mathematics Years 7–10 Syllabus and, in particular, the content and outcomes of all substrands of Stage 5.1, Stage 5.2 and Stage 5.3, including the optional substrands: Polynomials, LogarithmsFunctions

and Other Graphs and Circle Geometry.

Course Description

The Mathematics Extension 1 Year 11 course includes the Mathematics Advanced Year 11 course. The Mathematics Extension 1 Year 12 course includes the Mathematics Advanced Year 12 course.

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

All students studying the Mathematics Extension 1 course will sit for an HSC examination.

The study of Mathematics Extension 1 in Stage 6:

- enables students to develop thorough knowledge, understanding and skills in working mathematically and in communicating concisely and precisely
- provides opportunities for students to develop rigorous mathematical arguments and proofs, and to use mathematical models extensively
- provides opportunities for students to develop their awareness of the interconnected nature of mathematics, its beauty and its functionality
- provides a basis for progression to further study in mathematics or related disciplines and in which mathematics has a vital role at a tertiary level
- provides an appropriate mathematical background for students whose future pathways may involve mathematics and its applications in such areas as science, engineering, finance and economics.

Main Topics Covered

Year 11

Topic: Functions

- Further Work with Functions
- Polynomials

Topic: Trigonometric Functions

- Inverse Trigonometric Functions
- Further Trigonometric Identities

Topic: Calculus

Rates of Change

Topic: Combinatorics

Working with Combinatorics

Year 12

Topic: Proof

Proof by Mathematical Induction

Topic: Vectors

• Introduction to Vectors

Topic: Trigonometric Functions

• Trigonometric Equations

Topic: Calculus

- Further Calculus Skills
- Applications of Calculus

Topic: Statistical Analysis

The Binomial Distribution

Mathematics Standard

Course No: 11236: Year 11 Mathematics Standard

15231: Year 12 Mathematics Standard 1 15236: Year 12 Mathematics Standard 2 2 units Year 11 Course and Year 12 (HSC) Board

Developed Course

Exclusions: Students may not study any other Stage 6 mathematics Year 11 course in conjunction with the

Mathematics Standard Year 11 course, or any other Stage 6 mathematics Year 12 course in

conjunction with the Mathematics Standard 2 Year 12 course.

Prerequisites: The Mathematics Standard Year 11 course has been developed on the assumption that students have studied the content and achieved the outcomes of the NSW *Mathematics* Years 7–10

Syllabus and in particular, the content and outcomes Stage 5.1 and Stage 5.2.

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.

In Year 12, students have the option to complete either Standard 2 (Category A) or Standard 1 (Category B) Mathematics.

The Mathematics Standard 2 (Category A) option in year 12 students extend their mathematical skills beyond Stage 5 without the in-depth knowledge of higher mathematics that the study of calculus would provide. This course prepares students for a wide range of educational and employment aspirations, including continuing their studies at a tertiary level. All students complete a HSC exam for this course

The Mathematics Standard 1 (Category B) option in year 12 improves numeracy by building student confidence and making mathematics meaningful. Numerate students can manage situations or solve problems in everyday life, work or further learning. There is an optional HSC exam available for this course.

The study of Mathematics Standard 2 in Stage 6:

- enables students to develop their knowledge, understanding and skills in working mathematically and in communicating concisely and precisely
- provides opportunities for students to consider various applications of mathematics in a broad range of contemporary contexts through the use of mathematical modelling and use these models to solve problems related to their present and future needs
- provides opportunities for students to develop an understanding of and skills in further aspects of mathematics for concurrent HSC studies
- provides an appropriate mathematical background for students entering the workforce or undertaking further tertiary training.

The study of Mathematics Standard 1 in Stage 6:

- enables students to develop their knowledge, understanding and skills in working mathematically and in communicating concisely and precisely
- provides opportunities for students to consider various applications of mathematics in a broad range of contemporary contexts through the use of mathematical modelling and use these models to solve problems related to their present and future needs
- provides an appropriate mathematical background for students entering the workforce and/or undertaking further community and workplace training.

Content The Mathematics Standard Year 11 Course comprises of four topics, with the topics divided into Subtopics. The Year 12 Standard 2 and 1 Topics and Subtopics include:

The Mathematics Standard Year 11 course content includes:

Topic: Algebra

- Formulae and Equations
- Linear Relationships

Topic: Measurement

- Applications of Measurement
- Working with Time

Topic: Financial Mathematics

Money Matters

Topic: Statistical Analysis

- Data Analysis
- Relative Frequency and Probability

The Mathematics Standard 2 Year 12 course content includes

Topic: Algebra

Types of Relationships

Topic: Measurement

- Non-right-angled Trigonometry
- Rates and Ratios

Topic: Financial Mathematics

- Investments and Loans
- Annuities

Topic: Statistical Analysis

- Bivariate Data Analysis
- The Normal Distribution

Topic: Networks

- Network Concepts
- Critical Path Analysis

The Mathematics Standard 1

Year 12 course content includes:

Topic: Algebra

Types of Relationships

Topic: Measurement

- Right-angled Triangles
- Rates
- Scale Drawings

Topic: Financial Mathematics

- Investment
- Depreciation and Loans

Topic: Statistical Analysis

Further Statistical Analysis

Topic: Networks

Networks and Paths

Music 1

Course No: 11280/15290	2 units for each of the Year 11 Course and HSC
	Board Developed Course

Exclusions: Music 2 and Music Extension; Projects developed for assessment in one subject are not to be used either in full or in part for assessment in any other subject.

Course Description

While the course builds on the Stages 4 and 5 Music course, Music 1 provides an alternative course of study to Music 2. The curriculum structure is adaptable enough to meet the needs and interests of students with varying degrees of prior formal and informal learning in music and caters for students with less experience in Music.

Main Topics Covered

Preliminary course

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

Students study three topics in the Preliminary course. Topics are chosen from a list of 21 topics which covers a broad range of styles, periods and genres.

HSC course

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

Students study three topics in the HSC course which are different from those studied in the Preliminary course or two topics which are different from those studied in the Preliminary course and one topic from the Preliminary course in greater depth exploring new repertoire and including a comparative study. Topics are chosen from a list of 21 topics which covers a broad range of styles, periods and genres.

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

Particular Course Requirements

Students selecting Music 1 are required to keep a portfolio of the development of each of the components Core Composition and Elective Composition.

Music 2

Course No: 11290/15300	2 units for each of the Year 11 Course and HSC
	Board Developed Course

Exclusions: Music 1. Projects developed for assessment in one subject are not to be used either in full or in part for assessment in any other subject.

Course Description

While the course builds on the Stages 4 and 5 Music course, it also caters for students with less experience in Music.

Main Topics Covered

Preliminary course

In the Preliminary course, students study the concepts of music through the learning experiences of performance, composition, musicology and aural within the context of a range of styles, periods and genres. Students study one mandatory topic covering a range of content and one additional topic in each year of the course.

In the Preliminary course, the mandatory topic is Music 1600–1900. The additional topic is chosen from a list of six topics which covers a broad range of styles, periods and genres.

HSC course

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

Students study one mandatory topic of music of the last 25 years (Australian focus) and one additional topic in each year of the course. The additional topic is chosen from a list of eight topics which covers a broad range of styles, periods and genres.

Particular Course Requirements

In addition to core studies in performance, composition, musicology and aural, students nominate one elective study in Performance, Composition or Musicology. Submitted works and performances are required to reflect the mandatory and additional topic studied in the HSC.

The additional topic studied in the HSC must be different to the topic studied in the Preliminary course. Students selecting Composition or Musicology electives will be required to compile a portfolio of work as part of the process of preparing a submitted work. All students will be required to develop a composition portfolio for the core composition.

Personal Development, Health and Physical Education

	2 units for each of the Year 11 Course and HSC Board Developed Course
	Board Developed Course

Exclusions: Nil

Course Description

Year 11 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.

HSC Course Description

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

Main Topics Covered

Year 11 Course

Core Topics (60%)

- Better Health for Individuals
- The Body in Motion

Optional Component (40%)

Students select two of the following options:

- First Aid
- Composition and Performance
- Fitness Choices
- Outdoor Recreation

HSC Course

Core Topics (60%)

- Health Priorities in Australia
- Factors Affecting Performance

Optional Component (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

Particular Course Requirements

In addition to core studies, students select two options in each of the Year 11 and HSC courses.

Physics

Course No: 11310/15330	2 units for the Year 11 course and Year 12 (HSC).
	Board Developed Course.

Exclusions: 16646 Physical World Science Life Skills (Yr 11 & Yr 12)

Prerequisites: Nil

Pattern of study: A student may count up to:

- Year 11 six (6) units of science or
- Year 12 seven (7) units of science to satisfy pattern of study requirements for the HSC.

Course Description

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.

Students who have shown an achievement in, and/or aptitude for, any of the Stage 6 Science courses: Biology, Chemistry, Earth and Environmental Science, Investigating Science or Physics, in Year 11 may choose to study Science Extension in Year 12.

What students learn:

The Year 11 course consists of four modules.

Module 1 Kinematics

Module 2 Dynamics

Module 3 Waves and Thermodynamics

Module 4 Electricity and Magnetism

The Year 12 course consists of four modules.

Module 5 Advanced Mechanics

Module 6 Electromagnetism

Module 7 The Nature of Light

Module 8 From the Universe to the Atom

Course Requirements

Students are provided with 15 hours of course time for Depth Studies in both Year 11 and Year 12. During this time students may undertake an investigation/activity that allows for the further development of one or more scientific concepts.

A depth study may be one investigation/activity or a series of investigations/activities. Depth studies may be included in one module or across several modules.

Practical investigations are an essential part of the Year 11 and Year 12 courses and must occupy a minimum of 35 hours of course time each year.

Visual Arts

Course No: 11380/15400	2 units for each of the Year 11 Course and HSC Board Developed Course
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Exclusions: Projects

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

Course Description

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

The Year 11 course is broadly focused, while the HSC course provides for deeper and more complex investigations. While the course builds on Visual Arts courses in Stages 4 and 5, it also caters for students with more limited experience in Visual Arts.

Topics Covered

Year 11 Course learning opportunities focus on:

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

HSC Course learning opportunities focus on:

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

Particular Course Requirements

Year 11 Course:

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

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 in art making, art criticism and art history.

School Delivered Courses (Non ATAR)

Numeracy

Board Developed Course	Course No : 30130/30140	2 units for each of the Year 11 Course and HSC Board Developed Course
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Exclusions: Nil.

Course Description

The Numeracy course builds on the knowledge, skills and understanding presented in the K–10 curriculum. It supports students to develop the functional numeracy skills required to become active and successful participants in society.

The Numeracy Stage 6 CEC Syllabus is designed to offer opportunities for students to reason numerically and think mathematically. Numerical reasoning and mathematical thinking are supported by an atmosphere of questioning, communicating, reasoning and reflecting and are engendered by opportunities to generalise, challenge, find connections and to think critically and creatively.

The Numeracy course provides opportunities for students to develop 21st-century knowledge, skills, understanding, values and attitudes. As part of this, students are encouraged to learn to use appropriate technology as an effective support for numerical and mathematical activities.

Main Topics Covered

The study of Numeracy in Stage 6 enables students to build on existing numeracy skills and to develop and improve their capability to:

- interpret and use numerical information
- solve problems using visual, spatial, financial and statistical literacy skills
- think mathematically in practical situations
- represent and communicate information
- use the context to determine the reasonableness of solutions

in order to manage situations and solve problems relating to their present and future needs.

Preliminary course

The Numeracy Year 11 course content comprises 2 modules. The modules are divided into content areas.

Module 1:

- 1: Whole numbers
- 2: Operations with whole numbers
- 3: Distance, area and volume
- 4: Time
- 5: Data, graphs and tables

Module 2:

- 1: Fractions and decimals
- 2: Operations with fractions and decimals
- 3: Metric relationships
- 4: Length, mass and capacity
- 5: Chance

HSC course

The Numeracy Year 12 course content comprises 2 modules. The modules are divided into content areas. Module 3:

- 1: Percentages
- 2: Operations with numbers
- 3: Finance
- 4: Location, time and temperature
- 5: Space and design

Module 4:

- 1: Rates and ratios
- 2: Statistics and probability
- 3: Exploring with NRMT

Particular Course Requirements: Nil.

Sport, Lifestyle and Recreation Studies

Course No: 35015/35017	2 units for each of the Year 11 Course and HSC
	Content Endorsed Course

Exclusions: Students studying Board Developed PDHPE must not study CEC modules which duplicate

PDHPE modules.

Course Description

Students learn about the importance of a healthy and active lifestyle and recognise the need to be responsible and informed decision-makers. This course enables students to further develop their understanding of and competence in a range of sport and recreational pursuits. They are encouraged to establish a lifelong commitment to being physically active and to achieving movement potential.

What Students Learn

Through the study of Sport, Lifestyle and Recreations course, students learn to develop:

- knowledge and understanding of the factors that influence health and participation in physical activity;
- knowledge and understanding of the principles that affect quality of performance;
- an ability to analyse and implement strategies to promote health, physical activity and enhanced performance;
- a capacity to influence the participation and performance of self and others;
- a lifelong commitment to an active, healthy lifestyle and the achievement of movement potential.

The course provides the opportunity to specialise in areas of expertise or interest through optional modules (ranging from 20–40 hours in duration) such as:

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

Particular Course Requirements

The Sport, Lifestyle and Recreation Studies course comprises 15 optional modules. There is no prescribed core component.

The time allocated to each optional module is flexible within the range of 20–40 hours depending on the number of units for the course and the way in which the course is delivered.

Students of Stage 6 Personal Development Health and Physical Education may also study Sport, Lifestyle and Recreation. Teachers should ensure, however, that the modules selected do not duplicate PDHPE modules.

Work Studies

000.001.001.00200	2 units for each of the Year 11 Course and HSC
	Content Endorsed Course.
Exclusions: Nil	

Course Description

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

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

The Work Studies course assists students to:

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

What students learn

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

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

Vocational Education and Training (VET) Courses



PUBLIC SCHOOLS NSW RTOs VOCATIONAL EDUCATION AND TRAINING

School Delivered Vocational Education and Training (VET) Courses

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

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

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

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

Assessment materials are designed to ensure each learner has the opportunity to achieve outcomes to the level of the qualification. Students will receive documentation showing all competencies achieved for the VET course undertaken.

Board Developed Industry Curriculum Framework (ICF) courses usually count for 4 units of HSC credit, include 70 hours of mandatory work placement, and have an optional HSC examination. For a VET course to be included in the calculation for the ATAR, students must sit the HSC Examination.

Board Endorsed Courses (BECs) are courses based on national industry Training Packages endorsed by NESA. They do not count towards the ATAR and there is no HSC examination.

Work Placement

Many VET courses have a mandatory work placement requirement set by NESA. Students will:

- gain insights into the kind of career they would like to have.
- make informed decisions about further training and study.
- become more employable.
- be better equipped for business and employment opportunities.

There are other VET opportunities including:

Externally delivered Vocational Education and Training (EVET)

Information and courses available are listed here: https://education.nsw.gov.au/public-schools/career-and-study-pathways/skills-at-school/external-vet-courses Talk to your school Careers Adviser about how to access EVET.

School Based Apprenticeships and Traineeships (SBAT)

Information about SBATs is available here: https://education.nsw.gov.au/public-schools/career-and-study-pathways/school-based-apprenticeships-and-traineeships For further information about how to access an SBAT opportunity please speak with your Careers Adviser.



2024 ConstructionCourse Descriptor CPC20220 Certificate II in Construction Pathways (Release 6) & CPC20120 Statement of Attainment towards Certificate II in Construction (Release 3)

RTO - Department of Education - 90333, 90222, 90072, 90162

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

Board Developed Course (240 hour)

2 or 4 Preliminary and/or HSC units in total

Industry Curriculum Framework (ICF)

Australian Tertiary Admission Rank (ATAR) eligible course

By enrolling in this VET qualification with Public Schools NSW RTOs, you are choosing to participate in a program of study which will provide you a pathway towards HSC accreditation and a nationally recognised qualification (dual accreditation). To receive this VET qualification, you must meet the assessment requirements of CPC20220 Certificate II in Construction Pathways (Release 6) & CPC20120 Statement of Attainment towards Certificate II in Construction (Release 3) https://training.gov.au/Training/Details/CPC20220 & https://training.gov.au/Training/Details/CPC20120. You will be expected to complete all requirements relevant to the HSC and adhere to the requirements of NESA. To gain the full qualification in the CPC20220 Certificate II in Construction Pathways, you must achieve 5 core and 5 elective units of competency. A statement of attainment towards either of the qualifications listed is possible, if at least one unit of competency is achieved.

Entry Requirements

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

Construction, Plumbing and Services Training Package (CPC 8.0) **Units of Competency**

Core Units Elective Units CPCCWHS2001 Apply WHS requirements, policies and procedures in the CPCCCM1011 Undertake basic estimation and costing Construction Industry CPCCOM2001 Read and interpret plans and specifications CPCCOM1012 Work effectively and sustainably in the Construction Industry CPCCCA2002 Use carpentry tools and equipment CPCCOM1013 Plan and organise work CPCCCA2011 Handle carpentry materials CPCCVE1011 Undertake a basic construction project CPCCCM2005 Use construction tools and equipment CPCCOM1015 Carry out measurement and calculations CPCWHS1001 Prepare to work safely in the construction

Option 3 CPCCJN2001 Assemble components

CPCCJN3004 Manufacture and assemble joinery components

White Card

CPCWHS1001 - Prepare to work safely in the construction industry. The General Construction Induction Training (White Card) will be delivered as part of this course.

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 SafeWork NSW GIT card is mandatory before undertaking any Work Placement. Online courses are NOT recognised by the Department of Education.

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

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

This qualification provides a pathway to the primary trades in the construction industry with the exception of plumbing.

This allows for inclusion of skills suited for entry to off-site occupations, such as joinery as well as carpentry, bricklaying and other occupations in general construction.

Examples of occupations in the construction industry:

This qualification provides an occupational outcome and a range of support tasks applicable to the majority of construction work sites: carpentry, joinery, bricklaying,

Mandatory HSC Course Requirements

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

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

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

Appeals and Complaints

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

Course Cost: Preliminary - \$20 plus costs for White Card course. Discuss payment options with your trainer. HSC - \$20 School Specific equipment and associated requirements for students - Leather enclosed shoes must be worn.

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

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

Exclusions: VET course exclusions can be checked on the NESA website at https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learningareas/vet/course-exclusions

2024 Course Descriptor CPC20220 Certificate II in Construction Pathways + Statement of Attainment towards CPC20120 Certificate II in Construction

RTO - Department of Education - 90333, 90222, 90072, 90162

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

Version



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

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

Course: Hospitality

Board Developed Course (240 hour)

2 or 4 Preliminary and/or HSC units in total

Industry Curriculum Framework (ICF)

Australian Tertiary Admission Rank (ATAR) eligible course

By enrolling in this VET qualification with Public Schools NSW RTOs, you are choosing to participate in a program of study which will provide you a pathway towards HSC accreditation and a nationally recognised qualification (dual accreditation). To receive this VET qualification, you must meet the assessment requirements of SIT20322 Certificate II in Hospitality – Release 1 https://training.gov.au/training/details/SIT20322.

You will be expected to complete all requirements relevant to the HSC and adhere to the requirements of NESA. To gain this full qualification, you must achieve 12 units of competency. A statement of attainment towards the qualification is possible if at least one unit of competency is achieved.

Entry Requirements

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

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

Core

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

Elective

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

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

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

- Working within the hospitality industry involves
- organising information and records in both paper and electronic forms
- customer (client) service

- teamwork
- using technologies
- creating documents

Examples of occupations in the hospitality industry:

Café Attendant

Waiter/Waitress

- Catering Assistant
- Barista

- Food and Beverage Attendant
- Bartender

Mandatory HSC Course Requirements

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

External Assessment (optional HSC examination for ATAR purposes)

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

Competency-Based Assessment

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

Appeals and Complaints

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

Course Cost: Preliminary - \$70 HSC - \$70 Leather enclosed shoes must be worn.

Refunds

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

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

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

2024 Course Descriptor SIT20322 Certificate II in Hospitality – Release 1 RTO - Department of Education - 90333, 90222, 90072, 90162 Version 0.3 Disclaimer: If you require accessible documents, please contact your VET Coordinator for support



2024 Manufacturing and Engineering Introduction Course Descriptor MEM10119 Certificate I in Engineering & MEM20413 Statement of Attainment towards Certificate II in Engineering Pathways

RTO - Department of Education - 90333, 90222, 90072, 90162

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

Course: Manufacturing and Engineering Introduction

2 or 4 Preliminary and/or HSC units in total

Board Endorsed Course 240 hour

There is not an Australian Tertiary Admission Rank (ATAR) option for this course

By enrolling in this VET qualification with Public Schools NSW RTOs, you are choosing to participate in a program of study which will provide you a pathway towards HSC accreditation and a nationally recognised qualification (dual accreditation). To receive this VET qualification, you must meet the assessment requirements of MEM10119 Certificate I in Engineering & MEM20413 Statement of Attainment towards Certificate II in Engineering Pathways https://training.gov.au/Training/Details/MEM10119 and https://training.gov.au/Training/Details/MEM20413. You will be expected to complete all requirements relevant to the HSC and adhere to the requirements of NESA. To gain the full qualification in the MEM10119 Certificate I in Engineering, you must achieve 1 core unit of competency and elective units of competency to a minimum value of fourteen (14) points. A statement of attainment towards either of the qualifications listed is possible, if at least one unit of competency is achieved.

Entry Requirements

You must complete the VET enrolment process, supplying your USI and be assessed for learning support (eg LLN Robot) before the commencement of any training and assessment. HSC: All My Own Work must be completed before enrolling in this qualification. When selecting this course you should be interested in working in a manufacturing engineering industry. Students should be able to carry out manual activities eg lifting, carrying and shifting loads of materials and have the ability to use hand and power tools and be able to use a personal digital device including a personal computer or laptop.

Manufacturing and Engineering (MEM 2.1) & Metal and Engineering (MEM05 11.1) Training Package Units of Competency

Core		Elective	
MEM13015	Work safely and effectively in manufacturing	MEM16006	Organise and communicate information
	and engineering	MEM11011	Undertake manual handling
MEMPE006A	Undertake a basic engineering project	MEM12024	Perform computations
MEMPE005A	Develop a career plan for the engineering and	MEM18001	Use hand tools
	manufacturing industry	MEM18002	Use power tools/handheld operations
		MEM16008	Interact with computing technology
		MEM07032	Use workshop machines for basic operations
		MEMPE001A	Use engineering workshop machines
		MEMPE002A	Use electric welding machines
		MEMPE004A	Use fabrication equipment

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

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

This qualification provides a pathway to the primary trades in the manufacturing industry.

This qualification defines entry-level skills and knowledge to assist workers entering employment as engineering/manufacturing employees within the metal, engineering, manufacturing and associated industries.

Examples of occupations in the business services industry:

- Fitter machinist
- refrigeration and air conditioning mechanic
- toolmaker
- maintenance fitter

Mandatory HSC Course Requirements

Students must complete either 120 indicative hours or 180 indicative hours of course work. Students who do not meet these requirements will be 'N' determined as required by NESA.

External Assessment (optional HSC examination for ATAR purposes)

There is **not** an external assessment (optional HSC examination) for this course and this course **does not** contribute towards an ATAR.

Competency-Based Assessment

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

Appeals and Complaints

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

Refunds Course Cost: Preliminary - \$40 HSC - \$40 Refund arrangements are on a pro-rata basis. Leather enclosed shoes must be worn. Please refer to your school refund policy

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

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

2024 Manufacturing and Engineering (Introduction) Course Descriptor MEM 210119 Certificate I in Engineering + Statement of Attainment towards MEM20413 Certificate II in Engineering (Pathways)

RTO - Department of Education - 90333, 90222, 90072, 90162

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2024 Primary Industries Course Descriptor AHC20116 Certificate II in Agriculture RTO - Department of Education - 90333, 90222, 90072, 90162

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

Course: **Primary Industries**Board Developed Course (240 hour)

2 or 4 Preliminary and/or HSC units in total Industry Curriculum Framework (ICF)

Australian Tertiary Admission Rank (ATAR) eligible course

By enrolling in this VET qualification with Public Schools NSW RTOs, you are choosing to participate in a program of study which will provide you a pathway towards HSC accreditation and a nationally recognised qualification (dual accreditation). To receive this VET qualification, you must meet the assessment requirements of AHC20116 Certificate II in Agriculture https://training.gov.au/training/details/ahc20116. You will be expected to complete all requirements relevant to the HSC and adhere to the requirements of NESA. To gain this full qualification, you must achieve 3 core and 15 elective units of competency. A statement of attainment towards the qualification is possible if at least one unit of competency is achieved.

Entry Requirements

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

Agriculture, Horticulture and Conservation and Land Management Training Package (AHC 8.0) Units of Competency

Core AHCWHS201 Participate in work health and safety processes AHCWRK204 Work effectively in the industry AHCWRK209 Participate in environmentally sustainance.	*AHCINF202 Install, maintain and repair farm fencing
Elective AHCWRK205 Participate in workplace communication AHCWRK201 Observe and report on weather AHCPMG201 Treat weeds AHCCHM201 Apply chemicals under supervision AHCLSK202 Care for health and welfare of livestock AHCLSK205 Handle livestock using basic technique AHCLSK206 Identify and mark livestock AHCLSK204 Carry out regular livestock observation AHCPMG202 Treat plant pests, diseases and disord AHCNSY206 Care for nursery plants AHCPCM204 Recognise plants	*AHCSOL203 Assist with soil or growing media sampling and testing *AHCLSK316 Prepare livestock for competition *AHCBIO203 Inspect and clean machinery, tools and equipment to preserve biosecurity * Trainer will advise on elective units chosen. Not all units of competency are available.

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

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

This qualification provides a general vocational outcome in agriculture.

The qualification enables individuals to select a livestock production, plant or livestock context as a job focus.

Examples of occupations in the agricultural industry:

• farm or station hand/labourer

· shearing hand

- nursery assistant
- livestock worker

- assistant farm or station worker
- assistant animal attendant/stockperson

Mandatory HSC Course Requirements

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

External Assessment (optional HSC examination for ATAR purposes)

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

Competency-Based Assessment

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

Appeals and Complaints

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

Course Cost: Preliminary - \$25 HSC - \$25 plus excursion travel to industry. School Specific equipment – Leather enclosed shoes must be worn.

Refunds

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

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

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

2024 Course Descriptor AHC20116 Certificate II in Agriculture

RTO - Department of Education - 90333, 90222, 90072, 90162

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