

**DAPTO HIGH SCHOOL**



**INFORMATION**

**FOR**

**STAGE 6**

**STUDENTS**

**2007**

# GENERAL INFORMATION

Students entering **STAGE 6 2007/8** will have greater flexibility for choosing subjects in the Higher School Certificate under arrangements announced by the Board of Studies.

For the Higher School Certificate, students will have more opportunity to choose subjects that interest them and to undertake a broad range of studies.

They will no longer have to choose subjects that might not meet their long-term career goals. English will still be the only compulsory subject for all students.

To be eligible for the award of Higher School Certificate students must:

- Satisfactorily complete 12 units of Preliminary courses (Year 11).
- Satisfactorily complete 10 units in the HSC pattern of study (Year 12)
- In each year students must study:
  - at least six units from Board Developed Courses
  - at least two units of a Board Developed Course in English
  - at least three courses of two unit value or greater
  - at least four subjects
- The Preliminary component of a course must be satisfactorily completed before commencing the HSC component of the course. NSW Board Courses cannot be picked up in the HSC years except:
  - a. Extension Courses
  - b. Non – UAI TAFE Courses – if available through Mr Heinecke

In satisfying the minimum requirements, a student may study no more than six units of courses in Science.

Ten units of Board Developed Courses will be used in the calculation of the Universities Admission Index.

## **HSC PATHWAYS**

Most students follow a two-year program of study in years 11 and 12 leading to the Higher School certificate. The Board of Studies provides opportunity for people to combine employment or family responsibilities and your education by allowing you to study your HSC over a longer period of time.

You may accumulate the Higher School Certificate over a period of up to five years. The five year period commences in the first year you complete a HSC course. Preliminary courses may, but need not, be accumulated within this period.

# GLOSSARY OF TERMS

Listed below are explanations of some of the terms used throughout this booklet.

## **Board of Studies** (BOS)

The independent Government Board responsible for the K-Yr 12 curriculum and registration of all NSW schools and the conduct of Higher School Certificate and School Certificate examinations.

## **Board Subject:**

A subject whose syllabus has been provided by the Board of Studies. It is assessed by public examination at the end of **STAGE 6. (Green)**

## **STAGE 6:**    **The current descriptor for Years 11 and 12**

## **Vocation Education Courses: (VET) Yellow**

VEC courses are dual accredited ie. Count towards the Higher School Certificate and TAFE (AQF). Only one VET course can contribute to a UAI.

## **Content Endorsed Course: (White)**

A subject whose syllabus has been designed by the Board to replace many similar courses designed by schools.

## **One Unit** (1 U):

A course of study that involves a teaching time equivalent to three 40 minute periods/week.

## **Two Unit** (2U):

A course of study that involves a teaching time equivalent to six 40 minute periods/week.

## **Extension 1:**

A course of study that involves a teaching time equivalent to three 40 minute periods/week.

## **Extension 2 (HSC only)**

A course of study that involves a teaching time equivalent to twelve 40 minute periods/week.

## **Unit Value:**

One unit of study is equivalent to a possible 50 marks.

## **UAI:** (For HSC students Year 12)

The university Admission Index is a rating of student's results by some NSW Universities based on the Higher School Certificate results. English must be used, only 1 category B subject can be used and you must have 10 units.

**PRELIMINARY COURSE REQUIRES 12 UNITS OF STUDY DURING YEAR 11**

## COURSES FOR STUDY FOR 2007

We anticipate offering the following subjects to this year's Year 10 for study at the Preliminary level in 2003 (provided there are adequate numbers for viable classes) -

**BOARD COURSES** – Aboriginal Studies, Agriculture, Ancient History, Biology, Business Studies, Chemistry, Community and Family Studies, Design and Technology (Food & Fashion), Drama, Economics, Engineering Studies, English - Advanced, English - Standard, English Fundamentals, English – Extension 1\*, Food Technology, Geography, Information Processes and Technology, Legal Studies, Mathematics - General, Mathematics, Mathematics - Extension 1\*, Modern History, Music 1, Personal Development, Health and Physical Education, Physics, Society and Culture, Software Design and Development, Studies of Religion, Visual Art, French ....

**\* ALL BOARD COURSES ARE OF 2 UNITS UNLESS OTHERWISE INDICATED**

**VOCATIONAL EDUCATION COURSES** – Information Technology, Business Services, Primary Industries (General Agriculture), Metal and Engineering, Tourism and Hospitality (Hospitality Operations).

**ONLY ONE OF THESE COURSES CAN COUNT TOWARDS A UAI**

**CONTENT ENDORSED:** These courses do not count towards a UAI – Ceramics, Computer Applications, Sport, Lifestyle and Recreation, Exploring Early Childhood, Furnishing (Furniture Stream), Photography, Visual Design, Marine Studies.

**\* THE NUMBER OF UNITS IS INDICATED FOR EACH COURSE IN THE YELLOW INFORMATION SECTION**

**NB:** There is a limit of **ONE** category B subject to contribute to a UAI (**from yellow section**). However, **all** category A subjects may be counted towards a UAI.

The following pages provide brief details about those subjects for which there is information available. The subject information is arranged in the order above.

You should read this information and use it in conjunction with what you can find out from other students and our Teachers.

A **SUBJECT MARKET** WILL BE HELD ON WEDNESDAY 2<sup>ND</sup> AUGUST 2006 in school hall between 4.00 p.m. – 6.30 p.m.

Students and Parents will be given an opportunity to ask questions and seek advice from teachers currently teaching Years 11 and 12 subjects. Representatives from Wollongong University and TAFE will be in attendance.

# BOARD COURSES - 2 UNITS OF STUDY

## **ABORIGINAL STUDIES**

Aboriginal Studies is designed to foster intellectual, social and moral development by enabling students to think critically about the historical and contemporary experiences of Aboriginal peoples. Through this study students will develop a keen understanding and appreciation of the concepts of social justice and shared histories, and will critically examine their role as active and informed citizens.

Aboriginal history and culture are fundamental to the development of Australian identity. Aboriginal Studies acknowledges the contribution of Aboriginal cultures and communities to Australian society.

Aboriginal Studies seeks to provide a body of knowledge that is both accurate and unbiased. The course will provide students with ways of detecting and analysing bias in representations of Aboriginal peoples.

Aboriginal Studies is a unique experience for both Aboriginal students and non-Aboriginal students. Aboriginal students are provided with an opportunity for cultural affirmation and positive educational experiences while non-Aboriginal students are able to 'learn together' with Aboriginal peoples and communities. All students are encouraged to take an active role in the process of Reconciliation.

For all students, Aboriginal Studies provides a flexible structure to prepare for further education, training and employment. Students will develop analytical skills, the ability to pursue independent research and the ability to develop coherent arguments.

**Course Adviser: Mr S Creenaune**

## **AGRICULTURE**

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

The HSC course builds upon the Preliminary course. It examines the complexity and scientific principles of the components of agriculture production, but places a greater emphasis on the place of the farm in the wider economic, environmental and social environment. The farm as a fundamental production unit provides a basis for analysing and addressing social, environmental and economic issues as they relate to sustainability, from national and international perspectives. This is achieved through the Farm Enterprise/Product Study.

**Course Advisor: Mr I Heffernan**

## **ANCIENT HISTORY**

**Course Description:** Ancient History provides students with an opportunity to study the skills and methods of Archaeology, as well as the personalities, historical events and societies of ancient Rome, Egypt and Greece. It allows students to study and analyse past societies by drawing on written and archaeological sources such as literature, coins, inscriptions, art, architecture, artifacts and human remains. Additionally it introduces students to scientific methods used in investigating archaeology.

Students study Ancient History because it allows them to satisfy their fascination and interest in the stories of the past and the mysteries of human behaviour. It allows them to develop and apply research skills as well as critically question and interpret evidence about the ancient world. Ancient History introduces students to a wide range of religious beliefs and customs, as well as other cultures, encouraging them to appreciate and tolerate different points-of-view. It gives them knowledge, understanding, skills values and attitudes that are useful for their whole life. These skills, knowledge and understanding help to equip students for the world of employment and informed citizenship.

**Course Advisor: Ms C Parker-Cubis**

## **BIOLOGY**

### **Course Description**

#### **Preliminary**

- A Local Ecosystem
- Patterns in Nature
- Life on Earth
- Evolution of Australian Biota

#### **HSC**

- Maintaining a Balance
- Blueprint of Life
- The Search for Better Health

Students must complete **ONE** option from an offering of five and 70 hours practical/fieldwork during the two courses.

Biology provides students with a contemporary and coherent understanding of the concepts explaining the functioning, origins and evolution of living things. It explores the levels of organization of life, from the molecular level through cellular to higher levels of organisational structure and function, which exhibit evolution as a common source of unity and diversity. It includes developing an understanding of the interactions within and between organisms and between organisms and their environment. This course enables students to develop a strong biological knowledge that can assist in a wide variety of courses, including Nursing, Massage, Medical Sciences, Environmental Science, Marine Science and Teaching.

**Course Advisor: Ms T Morgan**

## **BUSINESS STUDIES**

**Course Description:** Business Studies investigates the role, operation and management of businesses within our society. Factors in the establishment, operation and management of a small business are integral to this course. Students investigate the role of global business and its impact on Australian business.

### **Main Topics Covered:**

#### **Preliminary Course**

- Nature of Business
- Key Business Functions
- Establishing a Business
- Developing a Business Plan

**Particular Course Requirements :** In the Preliminary course there is a research project, investigating the operation of a small business.

#### **HSC Course**

- Business Management and Change
- Financial Planning and Management
- Marketing
- Employment Relations
- Global Business

**Course Advisor: Mr G Seymour**

## **CHEMISTRY**

### **Course Description**

#### **Preliminary**

- The Chemical Earth
- Metals
- Water
- Energy

#### **HSC**

- The Identification and Production of Materials
- The Acidic Environment
- Chemical Monitoring and Management

Students must complete ONE option from an offering of five and 70 hours practical/fieldwork during the two courses.

Chemistry provides students with a contemporary and coherent understanding of matter and its interactions. It focuses on investigating the physical and chemical properties of substances, chemical reactions and processes, and the interaction of energy and matter and attempts to explain and predict events at the atomic and molecular level. It recognises that a study of the nature of materials includes natural and made substances, their structures, changes and environmental importance. This course enables students to develop a strong chemical knowledge and understanding that can assist in a wide variety of careers including Pharmaceutical, Engineering, Piloting, Environmental Science and Medical Science.

**Course Advisor: Mr H Bandte**

## **COMMUNITY AND FAMILY STUDIES**

**Course Description** : Community and Family Studies is a 2 unit course designed to develop in each student an understanding of the nature of families, their role in the community and an understanding of the nature of Australian society. There is an emphasis on planning and managing resources effectively. Some of the topics covered include Family Studies, Parenting and Caring, Social Impact of Technology, Work, Leadership and Management of Resources.

**Course Advisor: Ms S Gore**

## **DESIGN & TECHNOLOGY (FOOD AND FASHION)**

**Course Description** : This course is concerned with the study of technology through design, especially in the areas of Food and Fashion. It involves practical experiences in designing and producing. Design and Technology has been developed to attract students of all levels of ability and allows them the freedom to pursue and design in areas of their own choice. Students with skills and knowledge gained through a study of Design and Technology have the potential to contribute positively to Australia's economic, social, ecological and technological future.

Learning experiences extend from school-based activities to the world beyond school. Students will complete several design projects of their own choice and interest (Food and Fashion) and complete a major design project. This course would be of benefit in many areas of life and in many careers such as design, fashion, the food industry and teaching.

**Course Advisor: Ms S Gore**

## **DRAMA**

**Course Description** : Drama, for the HSC is a full 2 Unit course that is predominantly practical. It involves activity in improvisation, play building, acting, performance and production. There is also a theoretical component that requires a critical analysis and evaluation of the function of drama and theatre in society. Students choosing this course must be self motivated and able to work in groups. Assessment requires group and individual performances, production of a major work, such as stage or costume design and written analysis as well a submission of a personal log.

**Course Advisor: Mr R Doyle**

## **ECONOMICS**

Course Description: Economics is the key to the world of business, government and management

Whether you wish to manage a shop, salon, government department or multinational firm, Economics gives you the basics of management. Accounting, Commerce and Management at University or TAFE all revolve around understanding economic principles. This is demonstrated by the fact that this is one of the subjects most valued for employment in the financial sector.

Economists study - demand and supply  
money, finance and interest rates  
taxation, government and welfare  
distribution of income and wealth  
environmental economics

**Course Advisor: Mr Green**

## **ENGINEERING STUDIES**

**Course Description:** This course is the most academic and rigorous subject offered by the Industrial Arts faculty. The course seeks to teach engineering through the study of a number of engineering application modules. It introduces the student to a range of engineering concepts through the study of a series of applications such as appliances, products, devices that are familiar to the student. These may include : Electric Kettle, Wheelbarrow, Car Braking System, Bicycle, Bridge Structures and Lifting Devices eg. car jack or crane. By considering "real" applications the student is better able to relate to the modules being studied. Each application module will be studied for approximately 6 weeks, at the end of which the student must prepare an Engineering report on the application. Five application modules must be studied in both the Preliminary and HSC courses.

### **Preliminary Modules**

1. Household Appliances
2. Landscape Products
3. Brakes & Braking systems
4. Bio Engineering
5. Elective Module

### **HSC Modules**

1. Civil structures
2. Personal & Public Transport
3. Lifting devices
4. Aeronautical Engineering
5. Telecommunications

**Course Advisor: Mr D Beynon**

## **ENGLISH - STANDARD & ADVANCED**

**Course Description :** English is the only mandatory subject at both Preliminary and HSC levels. Two basic courses are offered in Years 11 and 12 - Standard & Advanced English. At Preliminary level both courses are structured in a similar fashion with a common area of study and two elective areas. At HSC level there is a common area of studying in the two courses, but the 3 elective areas vary. Students may change from Advanced to Standard between Years 11 and 12, but not from Standard to Advanced. Standard English students may decide to choose an two extra units of English in Years 11 and 12, called Fundamentals, to strengthen their skills. Advanced students may also choose an extra unit of English, Extension 1 in Year 11. They may choose to continue this in Yr 12 or return to 2 units of Advanced, or pick up a fourth unit called Extension 2 English which entails the writing of a major work. Extension 2 English is only offered in Year 12.

**Course Advisor: Ms T Seckold**

## **ENGLISH FUNDAMENTALS (2 unit)**

This is a skills-based course with opportunities for students to improve their basic English skills in reading and writing, research and communication. This is a 2 unit course which is studied and completed over two years of study. The course is offered in conjunction with Standard English or ESL English but it is not available for study for Advanced or Extension 1 English students. It is recommended that all Standard English students select this course as it is designed to improve literacy and study skills across the curriculum. The tutorial style of the course also appeals to many students.

**Course Advisor: Ms T Seckold**

## **FOOD TECHNOLOGY**

**Course Description:** Food Technology involves both theory and practical work. It involves students learning about the production, processing and consumption of food and its impact on society. Students also learn how food is important to health and its impact on human nutrition. Students choosing this course should have an interest in food and how it relates to the body and society. Assessment requires students to design, implement and evaluate solutions to food situations.

**Course Advisor: Ms S Gore**

## **FRENCH BEGINNERS 2 Unit Board**

**Course Description:** French 2 Unit for beginners is a course designed for Year 11 students with little or no previous knowledge. Study of this course will benefit both UAI and non-UAI students. Topics include:

- Traveling abroad
- Sports
- Eating and dining
- Employment
- Describing yourself/social interaction
- Going out/ making plans
- Family and friends

The study of a second language is strongly recommended to benefit UAI results and employment opportunities enhancement.

**Course Advisor: Ms R Bunten**

## **GEOGRAPHY**

**Course Description:** The study of geography allows students to perceive the world in a variety of ways and helps them make sense of a complex and changing world. Students will develop skills and understanding transferable and applicable to post school studies, areas of future employment and for active participation as informed citizens.

In the Year 11 Preliminary Course, students will look at the areas of:

- a) The Biophysical Environment and
- b) Global Challenges (e.g. Global Warming, Terrorism, etc...)

Also students are given the opportunity to conduct their own geographical investigation over the duration of the course by means of **The Senior Geography Project**. As well, throughout the course at least ten hours of practical will be completed outside the classroom by means of **field studies**.

In the Year 12 H.S.C. Course students will look at the areas of:

- a) Ecosystems at Risk
- b) Urban Places and
- c) People and Economic Activity

Again, students have an opportunity of practical work outside the classroom with at least ten hours of **field study**.

Geography skills are developed throughout the Preliminary and H.S.C. Courses.

**Course Advisor: Ms D Bateman**

## **INFORMATION PROCESSES & TECHNOLOGY**

**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. Those include music, the arts, science and technology as well as new and fast growing industries that use multi-media with this background, students will be well placed to adapt to new technologies as they emerge.

Exclusion: 1 Unit Computer Applications cannot be taken with this course.

**Course Advisor: Mr J Minter**

## **LEGAL STUDIES**

Legal Studies aims to develop a student's knowledge and understanding of the legal system, how it operates and its effectiveness in promoting a just and fair society. Students learn about the practical operation of the legal system in Australia through visits to the courts, participation in a mock trial and lectures given by police and solicitors. These activities supplement the learning in the classroom.

**The Year 11** focus studies examine groups within society that have suffered disadvantage due to discrimination and the way in which the legal system can operate to overcome such inequality. Groups that can be studied include women, youth, the aged, homosexuals, indigenous people and migrants.

**The Year 12** focus studies, examine different areas of law to determine the effectiveness of the legal system in addressing particular issues such as crime, family relationships, global environmental problems, housing, consumer rights, world order and technological change.

Throughout the course, students undertake research to learn about the operation of both domestic and international law.

**Course Advisor: Mrs M Fermino**

### **MATHEMATICS GENERAL (2 units)**

**Course Description:** General Mathematics focuses on mathematical skills and techniques which have direct application to everyday activity. The course content is written in five areas of study, with an emphasis on applications and modelling tasks. The modelling tasks may draw from more than one area of study, and encourage transfer of knowledge across the entire course. The course is fully prescribed, and is designed to support TAFE and other vocational courses. It provides an appropriate mathematical background for students who do not wish to pursue the formal study of mathematics at tertiary level, while giving a strong foundation for university study in the areas of business, humanities, nursing and paramedical sciences.

**Pre-requisites:** Demonstrated competence in the 5-2 and 5-3 outcomes of the Stage 5 Mathematics course.

**Course Advisor: Mrs H Clancy**

### **MATHEMATICS (2 units)**

**Course Description:** The course is intended to give students who have demonstrated general competence in the skills of School Certificate Mathematics, an understanding of and competence in some further aspects of mathematics which are applicable to the real world. It has general educational merit and is also useful for concurrent studies in science and commerce. The course is a sufficient basis for further studies in mathematics as a minor discipline at tertiary level in support of courses such as the life sciences or commerce. Students who require substantial mathematics at a tertiary level supporting the physical sciences, computer science or engineering should undertake the Extension course.

**Pre-requisites:** Demonstrated competence in the 5-3 outcomes of the Stage 5 Mathematics course.

**Course Advisor: Mrs H Clancy**

### **MATHEMATICS EXTENSION 1, 1 Unit**

**Course Description:** The content of this course, which includes the whole of the Mathematics course, and its depth of treatment indicate that it is intended for students who have demonstrated a mastery of the skills of Advanced S.C. Mathematics and who are interested in the study of further skills and ideas in Mathematics. The course is intended to give these students a thorough understanding of and competence in aspects of Mathematics including many which are applicable to the real world. It has general educational merit and is also useful for concurrent studies of science, industrial arts and commerce. The course is a recommended minimum basis for further studies in Mathematics as a major discipline at a tertiary level, and for the study of Mathematics in support of the physical and Engineering Sciences.

**Pre requisites:** Demonstrated excellent achievement in the 5-3 outcomes of the Stage 5 Mathematics course.

**Course Advisor: Mrs H Clancy**

### **MATHEMATICS EXTENSION 2, 2 Units**

**Course Description:** The course content includes the entire Mathematics course, the entire Mathematics Extension course as well as a deeper and more extensive treatment of certain topics than is offered in other Mathematics courses. It represents a distinctly high level in school mathematics involving the development of considerable manipulative skill and a high degree of understanding of the fundamental ideas of algebra and calculus. These topics are treated in some depth. Thus the course provides a sufficient basis for a wide range of useful applications of mathematics as well as an adequate foundation for the further study of the subject at Tertiary level.

**Pre-requisites:** Excellent achievement in the Year II Preliminary Mathematics Extension 1 Course.

**Course Advisor: Mrs H Clancy**

## **MODERN HISTORY**

**Course Description:** Modern History provides students with the opportunity to study human experiences over the last 150 years, as well as personalities and events that have shaped the world. Areas as diverse as the experiences of an American slave, a 19th century Jewish peasant and an officer in World War 1, can be studied to give students an insight into the issues that affect humanity, both past and present. The study of Modern History is invaluable in helping students understand the issues of today. It enables them to develop skills of deduction and reasoning and to learn to make sense of an increasingly complex world. It requires students to analyse the causes, progress and effects of the changes in the world over the 19<sup>th</sup> and 20<sup>th</sup> centuries. Students develop their skills in interpreting sources, pose questions, test theories and general research. Modern History gives students the skills to become responsible and active citizens who will recognise the factors affecting change.

**Course Advisor: Ms L Dron**

## **MUSIC**

**Course Description:** Music 1 requires 6 units of study (3 each year) to be completed from a possible 21 units. Topics include: Australian Music, Music of the 20<sup>th</sup> and 21<sup>st</sup> century, Popular Music and Rock Music.

There are 4 different aspects of study – Performance, Musicology, Composition and Aural which caters for students of varying interests and abilities.

Elective music in Years 9 and 10 **IS NOT** a pre-requisite for this course.

**Course Advisor: Ms K Thompson**

## **PD/H/PE**

**Course Description:** PD/H/PE is a course that invites students to look at personal and community health issues and relate these issues to their own well-being and to that of those around them. The course is concerned with the promotion of fitness and skilled movement as an important means of developing and maintaining healthy lifestyles. PD/H/PE provides an excellent starting point for careers including physiotherapy, PE teaching, nursing, sports psychology, coaching and personal training.

### **Course content:**

<b><u>Preliminary</u></b>	<b><u>HSC</u></b>
Meanings of Health and Physical Activity Better Health for Individuals The Body in Motion First Aid Fitness Choices	Health Priorities in Australia Factors Affecting Priorities Sports Medicine Improving Performance

**Course Advisor: Ms T Meredith**

## **PHYSICS**

### **Course Description**

#### **Preliminary**

- The World Communicates
- Electrical Energy in the Home
- Moving About
- The Cosmic Engine

#### **HSC**

- Space
- Motors and Generators
- From Ideas to Implementation

Students must complete **ONE** option from an offering of **five** and 80 hours practical/fieldwork during the two courses.

Physics provides students with a contemporary and coherent understanding of energy, matter, and their relationships. It focuses on investigating natural phenomena and applying patterns, models (including mathematical ones), principles, theories and laws to explain the physical behaviour of the universe. It uses an understanding of simple systems (single particles and pairs of particles) to make predictions about a range of objects from sub-atomic particles to the entire universe and aims to reveal the simplicity underlying complexity. This course enables students to develop a strong knowledge and understanding of Physical Science that can assist in a wide range of careers including Engineering, Piloting, Astronomy, Medical Science and Radiography.

**Course Advisor: Mr T Massarella**

## **SOCIETY & CULTURE**

**Course Description:** Society and Culture develops knowledge, understanding, skills, values and attitudes essential to an appreciation of the social world. How the interaction of persons, society, culture, environment and time shape human behaviour is a central theme of study. Students develop an understanding of research methodologies and undertake research in an area of particular interest to them.

Students who intend to pursue careers in market research, research areas in business, the media or just reach a good disciplined approach to study will benefit from this course. Career areas in Social Work or where knowledge of people and society is needed, benefit from the study of Society & Culture.

#### **Preliminary Course**

- The Social and Cultural World: 20%
- Personal and Social Identity: 40%
- Intercultural Communication: 40%
- Social and Cultural Continuity and Change: 30%
- The Personal Interest Project: 30%
- Society & Culture (cont)

#### **Depth Studies: 40%**

Two to be chosen from:

- Popular Culture
- Belief Systems
- Equality and Difference
- Work and Leisure

**Course Advisor: Mr G Seymour**

## **SOFTWARE DESIGN & DEVELOPMENT**

**Course Description:** Software design and development refers to the creativity knowledge, values and communication skills required to develop computer programs. The subject provides student with a systematic approach to problem-solving, an opportunity to be creative, excellent career prospects and interesting content. Software development is a distinctive field within the computing discipline. Stage 6 students who wish to move into this field are at an advantage if they understand the field. Computing is an area of rapid growth and change while a variety of computer applications are used in this subject, they are not the primary focus. The focus of this subject is the development of computer-based solutions that require the design of computer software.

**Exclusion:** 2 Unit Computer Applications cannot be taken with this course.

**Course Advisor: Mr A Walker**

## **STUDIES OF RELIGION**

### **Course Description:**

This course provides students with an understanding and awareness of the important role religion plays in people's lives.

Studies of Religion involves the object study of world religions, not the promotion of any one religion over another. This course looks at why people believe, what people believe and their need to look for meaning in life i.e. "Why are we here?"

This course delves into the fascinating world of rituals, ancient texts and religious traditions.

### **Preliminary Course:**

- The nature of religion
- The influence of religion in Australian society from 1788 to 1900
- An in-depth study of three of the following:
  - Buddhism
  - Christianity
  - Hinduism
  - Islam
  - Judaism

### **Higher School Certificate Course**

1. Aboriginal spirituality
2. The influence of religion in Australian society from 1901
3. Cross religion studies
4. An Interest study

**Course Advisor: Mr J Salmon**

## **VISUAL ARTS**

**Course Description:** Visual Arts is a two unit subject in which 50% of the course is dedicated to practical study and the other half to critical and historical studies.

Visual Art students explore the creative possibilities of a diverse range of forms while expressing thoughts about the world and their place in it.

**Two Dimensional Forms** - drawing, painting, printmaking, graphic design, photography and digital media.

**Three Dimensional Forms** - sculpture, ceramics, textiles and fibre, wearable, jewellery, architectural design and product design.

**Four Dimensional Works/Time-Based Works** - film and video, digital animation, documented forms, performance works and interactives.

Students investigate the role and function of artworks, art historians, art critics, artists and audiences from across cultures, traditions and times.

**Course Advisor: Ms M Cooper**

# SCHOOL DELIVERED VOCATIONAL EDUCATION COURSES

Any student attempting a VET Course in Year 12 will sit for a half-yearly examination in each of their VET Courses. This examination mark will only be needed by students who sit for the Higher School Certificate Examination and who apply for an illness/misadventure appeal during the Higher School Certificate Examination timeframe.

**\* THIS MARK WILL INDICATE WHERE THE STUDENT IS POSITIONED WITHIN THE STUDENT GROUP.**

**ONLY ONE OF THESE COURSES (IN YELLOW) CAN COUNT TOWARDS A UAI**

## **INFORMATION TECHNOLOGY (Framework)**

**Course Description:** Information Technology (IT) is a growing industry with a variety of career paths to choose from. Even if you don't want to enter the industry specifically, IT skills are required in many occupations.

This course allows students to develop a range of skills in:

- Computer Applications – you will learn to use industry standard software such as Word, Excel, Powerpoint and Frontpage
- Internet and writing for the web – the internet is changing the way we live our lives. Learn how to surf the web for fun and research, create killer web sites and send e-mail.
- Software and hardware installations – how do you put all the bits together?
- Basic network administration – ‘the system's down’, computers can be frustrating, learn some troubleshooting skills to keep them running.
- Workplace communication – you've all heard the expression “too many chiefs and not enough Indians”. Most workplaces operate as a team and this requires special skills, which you can develop in this course.
- This is a VET course that involves work placement and should not be confused with Information Processes and Technology.

**Course Advisor: Mr A Walker**

## **METAL AND ENGINEERING (Production/Fabrication Steams) 2 Units (Framework)**

**Course Description:** This is a Vocational Education (Voc Ed) course for students who wish to work in the metal manufacturing, engineering and related service industries. Assessment is Competency-based and students demonstrate their competencies through completion of practical exercises and projects. Students who meet the criteria of all Units of Competency will be eligible for the AQF Certificate I in Engineering and a Statement of Attainment towards the AQF Certificate II in Engineering-Production. A 76 hour work placement is a mandatory part of this course. There is an optional Higher School Certificate examination, drawn from the core Units of Competency, which students may elect to take in the second year of the course.

**Course Advisor: Mr J Wilson**

## **BUSINESS SERVICES (Framework)**

Business Services is a Vocational course designed to benefit all students, no matter what they intend to do after they leave school. Business Services is a Dual Accredited Course. This means it is a 2 unit Higher School Certificate subject **and** it allows students to qualify for a Certificate II in Business Services, a valuable qualification, recognised throughout Australia.

Most students find they are more independent and confident as a result of doing a vocational course that includes workplace learning. Work placement is mandatory with students completing 70 hours over the two years.

### **Areas of Study:**

<ul style="list-style-type: none"><li>• Computer Operations (Word Processing, Spreadsheets, Databases, Power Point, Mail Merge)</li><li>• Business Technology</li><li>• Business Organisation</li><li>• Teamwork</li></ul>	<ul style="list-style-type: none"><li>• Financial Documents</li><li>• Banking</li><li>• Mail</li><li>• Information Handling</li><li>• Occupational Health and Safety</li><li>• Work Environment</li></ul>
--	---

## **PRIMARY INDUSTRIES (General Agriculture) (Framework)**

**Course Description:** Students may acquire the following skills and knowledge depending on the modules selected.

- Recognise and report damage to farm buildings; carry out routine maintenance and minor repairs on farm structures
- Carry out routine repairs and maintenance to farm fences; move and repair electric fences; install a farm gate using hand tools
- Safely operate a range of farm vehicles including 2 wheel agriculture motor bike, All Terrain Vehicle (ATV) or ride on mower to manufacturer's recommendations under a given range of conditions.
- Operate a tractor with or without implements attached (including drawbar equipment or three points linkage implements attached or loader)
- Perform basic trouble shooting on farm
- Routinely check the provision of stock water; perform routine maintenance and operation for farm water storage and reticulation systems; perform pre-start checks and use a spray irrigation system; carry out maintenance activities on irrigation systems; observe and report on crop growth in a spray irrigated system
- Demonstrate basic pruning and training techniques for tree crops and some ornamentals; manually thin a fruit crop as directed; transplant vegetable, tree and plant material; perform post-harvest operations; harvest produce as directed
- Recognise and report major insect pests, diseases, weeds and vermin problems
- Carry out instructions on cattle and sheep preparation; feed and water cattle and sheep for showing; monitor cattle and sheep health; prepare cattle and sheep for handling; handle cattle and sheep; recognize breeds, sex and age of livestock; maintain perform basic sheep and cattle husbandry skills; mark lambs and calves; identify sheep and cattle with common health problems; check the suitability of paddocks for sheep and cattle
- OHS practices in relation to farm work

**Course Advisor: Ms J Swan**

## **HOSPITALITY - HOSPITALITY OPERATIONS (Framework)**

**Course Description:** Tourism and Hospitality is a predominately practical course with a theoretical component. This course provides student with a foundation of knowledge and skills that are applicable to the hospitality industry, students must complete a minimum of 35 hours work placement in a hospitality workplace each year. This is a competency-based course. This means that students will be assessed as "competent" or "not yet competent" in each individual unit. Student's efforts are then recorded in their "Student Competency Record" and student may receive an AQF (a qualification recognised nationally in Australia). Students may choose in Year 12 to sit the HSC examination in this subject, giving them a UAI or receive a statement of attainment and the AQF qualification.

**Course Advisor: Ms S Gore**

# TVET 2006 PROPOSED COURSE OFFERINGS

- Course details go to : [www.illawarra.tafensw.edu.au](http://www.illawarra.tafensw.edu.au)

## NORTHERN DISTRICT

CAMPUS	COURSE NAME
Dapto	Tourism
CAMPUS	COURSE NAME
West Wollongong	Marketing
	Design Foundations
	Fashion Fundamentals
	Photography
	Beauty Therapy – Retail Cosmetic Services
	Hairdressing – Salon Skills
CAMPUS	COURSE NAME
Wollongong	Accounting
	Construction
	Computer Hardware Servicing
	Electrotechnology
	Multimedia
	Music Industry (Foundation)
	Community Services – Introduction (Child Studies)
	Nursing – Aged Care Work
	Hospitality – Accommodation Services
	Hospitality Kitchen Operations
	Airbrushing LDC
	Automotive – General Operations
	Automotive – Panel Beating
	Automotive – Vehicle Painting
	Automotive – Aircraft Operations

## SHELLHARBOUR DISTRICT

CAMPUS	COURSE NAME
Shellharbour	Accounting
	Children's Services Year
	Nursing – Aged Care Cert III (4 units)
	Automotive
	Automotive – T3 (4 units)
	Retail
	Sport & Recreation Fitness

Other courses which can count towards the Higher School Certificate include:

**Aeroskills Engineering Certificate II (4 units)**

This course provides valuable training for students wishing to follow any aviation career pathway, including traineeships, apprenticeships or engineering degrees in the Australian General Aviation Industry or the Australian Defence Forces.

**PART-TIME SCHOOL BASED TRAINEESHIPS (2 units)**

Part-time traineeships are available to students as part of their Higher School Certificate. Students spend up to 1600 hours over two years working in addition to their training. Courses include, but limited to:

McDonalds Certificate II – Retail (Food)  
KFC Certificate II - Retail (Food)  
Hungry Jacks Certificate II – Retail (Food)  
Big W Certificate II – Retail

For further information see the Careers Advisor, Mr Heinecke.

# CONTENT ENDORSED COURSES

THESE COURSES COUNT TOWARDS A HIGHER SCHOOL CERTIFICATE BUT NOT  
TOWARDS A UAI

## COMPUTER APPLICATIONS 1 unit or 2 unit

**Course Description:** The course is designed to be flexible enough to meet the needs of a broad range of students. The course provides a set of modules from which a selection can be chosen to cater for the interest of student along a number of different paths. These modules enable a course to be developed for students who are new to computers as well as for those who have already significant experience. It is designed to be a very practical course and students will have the opportunity to use computers and computer equipment, scanners, digital cameras, in most lessons. The course can be taken as a 1 or a 2 unit course in either Year 11 or 12 or both.

**Exclusions:** This course cannot be taken in conjunction with any other Information Technology/Computer course done at this school.

**Course Advisor:** Mr A Walker

## EXPLORING EARLY CHILDHOOD 2 units

**Course Description:** Exploring Early Childhood for the HSC is a full 2 unit course that emphasises the importance of caring for young children, both as an employee at a facility and as a parent. This course involves observations in local **preschools** and long day care centres, practical experiences in art and craft, nutrition, story writing and toy making. There is a theoretical component that examines the stage in child growth and development. Students choosing this course must have a genuine interest in young children and be willing to be involved in interacting with them in group sessions, both at school and in the community. This course is very useful as background for students wanting to study Certificate and Diploma courses at TAFE in Child Studies.

**Course Advisor:** Ms S Gore

## SPORT, LIFESTYLE & RECREATION (1 Unit Course or 2 Unit)

**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. 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

### Course Content (Theory and Practical)

Aquatics, Squash, Golf, Badminton, Table Tennis, Ten Pin Bowling, Tennis, Weights & Fitness Circuits, Resuscitation.

**Course Advisor:** Mr K Wright

## **PHOTOGRAPHY 1 Unit or 2 Unit**

**Course Description:** Photography is a versatile course that can be studied in a variety of ways as 1 unit course over one or two years, or as a 2 unit course over two years. This practical course (70% of assessment) introduces and/or extends the working knowledge of students in technical skills and the art of creative photography. The course is built around core experiences, which are extended through a variety of modules, driven by student interests.

Half the course is devoted to the practice of 'wet' photography. Students learn to master the 35mm SLR analogue camera, process black and white film and develop negatives in the darkroom in the production of a portfolio of work.

In the other half of the course, digital imagery is explored, using digital camera, scanners and image manipulation software.

Photographers' work from across the world and throughout history will be studied in relation to practical work.

Some of the modules that can be chosen for extended study are:

1. **Individual/Collaborative Project**

- an opportunity for you to construct your own project. Show your special interest and your creative skills

2. **Developing a Point of View**

- investigate ways in which photographic ideas and images can be constructed with a "message in mind"

3. **Manipulated Forms**

- discover how various techniques can be applied to the construction of photographs. Learn to challenge the expected!

4. **The Arranged Image**

- develop your own photographic style through consideration of subject matter and composition

5. **Temporal Accounts**

- encourages experimentation with photographic practices in the investigation of how 'time' is captured in photography. How can 'time' be manipulated in photography? Explore the use of 'special effects' on the photographic image.

**Course Advisor: Ms M Cooper**

## **VISUAL DESIGN 1 Unit or 2 Unit**

**Course Description:** Visual Design provides students with opportunities to exploit the links between art and design, by designing and making images and objects in which the look is as important as its utilitarian function. The course encourages students to explore the practices of graphic, wearable, product and interior/exterior designers. Modules of study can include cartooning, jewellery, stage sets and props or an individual design project.

**Course Advisor: Ms M Cooper**

## **FURNITURE CONSTRUCTION (JOINERY) CERTIFICATE II**

**Course Description:** This course is a Vocational Education (Voc Ed) Course and gives the student **dual** accreditation on completion. The course not only counts towards the students HSC, but is also recognised in TAFE, by gaining credits into a related TAFE course on leaving school. The student will study a number of standardised National Modules relating to the Furniture Industry. The subject is **practical based** with most learning outcomes being achieved through the student constructing a series of compulsory graded projects and later free choice designs. Some modules will require written assignments. Course assessment is competency based. When a student has achieved a certain competency, they are signed off in a Student Log Book as having achieved that competency. A student is either competent or not yet competent. **No examinations necessary.**

[www.schools.ash.org.au/daptohigh/it.htm](http://www.schools.ash.org.au/daptohigh/it.htm)

**Course Advisor: Mr R Cerenich**

## **MARINE STUDIES** 2 Units

Marine Studies is a practical orientated course that includes a diverse selection of modules over two years. Students have the opportunities to complete a SCUBA course, snorkelling certificate, deep sea fishing, gain a small boat license as well as many other experiences. This course enables students from a wide ability range to achieve and gain a knowledge and understanding of many areas surrounding fresh and saltwater ecosystems.

**Course Advisor: Mr S Creenaune**

## **WORK STUDIES**

In Work Studies you will learn about the adult world of work, put together a portfolio, learn about preparing for a job interview etc. A significant percentage of the course will be 'hands on' in the workplace. Very suitable for students with part time jobs.

Year 11 students will need to make a special case when selecting this course.

**Course Advisor: Ms S Gore**