

# WODONGA SENIOR SECONDARY COLLEGE COURSE SELECTION HANDBOOK 2016



**EVERY STUDENT, EVERY OPPORTUNITY, SUCCESS FOR ALL**

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Department of Education and Early Childhood Development





## **A message from the Principal ...**

Welcome to Wodonga Senior Secondary College.

“Every Student, Every Opportunity, Success for All”, is our vision for all students. Our aim is to provide the maximum opportunity for personal and academic growth in a supportive environment, one specially designed to develop high aspirations as students advance through their later secondary school years.

We offer the greatest choice for secondary education in Wodonga and the ability to enable all students to choose their individually suited Pathways for success.

Through our Pathways Program all students will be provided with personal counselling and careers information to assist in the transition from school to the years beyond, from Tertiary education choices, apprenticeships and traineeships to job preparation. The options open to our students have no bounds!

Students have access to the widest range of VCE and VET specialist teachers and facilities in Wodonga, a more adult work environment, and the broadest mix of sport, music, drama and art extra-curricula activities ever offered in the Wodonga area.

Wodonga Senior Secondary College is committed to maximising the potential of every student. We look forward to working with each and every one of you.

*Vern Hilditch  
Principal*

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## FEES AND LEVIES

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All students are asked to pay the general levy. This levy covers essential materials in core subject areas such as; English, Maths, Science & Humanities to support the course of instruction in a standard curriculum program.

VET subjects, Food, Technology, Drama, Theatre Studies, Visual Arts, Sport and Outdoor Education require additional payments from parents on a user-pays basis. The subject fee applicable to each subject is listed in the handbook. This fee is based on the 2014 year which may be changed depending on the number of students enrolled in the subject.

Camps and excursions are additional to subject fees and must be paid in full prior to the event taking place.

Any families having difficulties with payments are encouraged to contact the Business Manager to discuss a payment plan and the options available. Payments can be made towards fees through Centrelink in fortnightly instalments. Centrepay Forms are made available from the College main office.

Fees can be paid in full or by instalments, the First Term fees being due the end of week two of Term One. The office is open between 8.30am and 4.30pm weekdays, BPay, EFTPOS facilities and phone credit payments are available.

***NB: Subjects run based on numbers of students selecting them. There is no guarantee that all subjects described in this Handbook, will run in 2015.***

## **WODONGA SENIOR SECONDARY COLLEGE EXCELLENCE PROGRAMS**

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These programs support our aim to provide students with access to leadership and co-curricula activities as we focus on preparing young people for their roles as active and responsible citizens. They are available to students entering Years 10 and 11.

The core principle of these programs is to aim for excellence in all aspects of life in order to achieve your goals.

### **EXCELLENCE IN SPORT - SOCCER, AFL FOOTBALL, GENERAL AND CIRCUS**

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These programs provide opportunities for young sportsmen and women to pursue more intensive sport orientation whilst maintaining an academic and/or vocational program.

Excellence in Sport Programs involve students in the following:

- Studies in VET Sport and Recreation with a specialisation in their field (there will be a specific classes for Australian Rules Football, Soccer and general sport)
- Studies in VCE Physical Education
- Options to undertake either the VCE or VCAL program
- Field experience in coaching, administration, officiating, fitness training, participation and competition
- Opportunities to undertake traineeships with sporting organisations such as the AFL
- Partnerships with elite sporting organisations and skill development clinics including the Murray Bushrangers, AFL Victoria and Football Federation Victoria
- Modification of study programs where appropriate to support student training and participation in elite sporting competitions

### **ADVANCED MATHS / SCIENCE COURSE**

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Maths Textbook	Part of Year 10 Book Hire
Excursions:	\$ 75 (approx.)
Maths & Science Competitions:	\$ 35 (approx.)

This course is designed for students with an interest in pursuing Mathematics and Science at higher levels. It is a one-year alternative program replacing their Core Year 10 classes with Advanced level Maths and Science. The course explores the overlap between scientific and mathematical concepts in greater depth, giving students a broader perspective for future scientific and mathematical studies. Note: Academic entry criteria apply to this subject.

### **ADVANCED ENGLISH / HUMANITIES COURSE**

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English Text Purchase:	Part of Year 10 Book Hire
Student Workbook Purchase:	\$ 35 (approx.)
History Textbook Purchase:	Part of Year 10 Book Hire
English & Humanities Competitions:	\$ 20 (approx.)

This program is designed for students with a strong aptitude in English and Humanities. It is a one-year alternative program replacing Core Year 10 English and Humanities classes with Advancement Studies. Advanced English / Humanities includes the study of English, History, Geography and Economics and equips students with the ability to analyse and make meaning of current and past events in the world and the many factors that influence decisions made by society. Students may receive credit towards a relevant VCE study in the second semester in Humanities Note: Academic entry criteria applies to this subject.

# YEAR 10 STUDIES

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## Arts

### Performing Arts

- Dance
- Drama
- Music

### Visual Arts

- 2D Art and Design Semester 1 & 2
- 3D Art and Design Semester 1 & 2
- Black and White Photography
- Digital Photography

## English

- Core, Semester 1 & 2
- Electives Semester 1 (Public Speaking)  
Semester 2 (Creative Writing)

## Health & Physical Education

- Health Education
- Life Long Recreational Sports
- Outdoor Education Semester 1 & 2
- Physical Education
- Advanced Physical Education

## Humanities

- Core (Semesters 1 & 2)

## LOTE (Languages other than English)

- Indonesian
- Japanese

***N.B:** LOTE classes will run dependent on numbers of students selecting them. A full range of LOTE subjects are available via the Victorian School of Languages (VSL), Distance Education Program and these are supported by Wodonga Senior Secondary College.*

**AVID** – Semester 1 & 2

## Mathematics

- Core, Semester 1 & 2
- Year 10 Mathematics Extension

## Science

- Core, Semester 1 & 2

## Information Technology

- Games Programming, Design and Development
- Robotics
- Multimedia (Web/Video/Image Editing)

## Food and Technology

- Preparing Bakery Products
- Eat Well Be Well
- Chef's Master Class
- Cook Your Way Around The World

## Materials and Technology

- Materials Engineering
- Timber Studies

## Systems and Technology

- Automotive Studies
- Electronics

## Academic Advancement Program

- Mathematics
- Science
- Humanities
- English

## Excellence in Sport: (VET Sport & Rec)

### select from:-

- AFL Football
- Soccer
- General
- Circus (FFCS)

## Graduate Program

Students need to select from the range of interest based areas. Students need to select a 1 – 3 preference. Please refer to p. 21 of this Handbook for further information

# YEAR 10 COURSE DESCRIPTIONS

## ARTS: PERFORMING

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### DANCE

Year 10 Dance offers students the opportunity to develop their understanding and appreciation of dance as an art form. The course is based on the investigation and communication of ideas, themes and concepts. There is a focus on the development of the students' technical and physical skills, personal movement vocabulary and application of choreographic and analytical principles.

#### SEMESTER ONE

- Students will focus on developing their movement vocabulary, understanding of the history of dance and appreciation of dance in other cultures.

#### SEMESTER TWO

- Students will focus on extending their movement vocabulary, creating dance works to perform to community audiences and further developing their appreciation and understanding of dance in other cultures.

### DRAMA

Subject Fee: \$ 50 per semester  
Excursions: \$ 70 (approx.)

Year 10 Drama introduces students to the basic principles of dramatic theory by exploring improvisation, role play and scripted pieces. Students develop their dramatic skills, use of voice, spatial awareness and appreciation of stagecraft.

- Students will make and present drama which explores a range of themes, issues and ideas using different styles and forms
- They will analyse and interpret the structure, content and aesthetic qualities of drama through performance and workshops. Students will perform for different audiences each semester.

#### SEMESTER ONE

- Students focus on developing their improvisation vocabulary; explore the process of creating role and character, and extend their expressive and performance skills.

#### SEMESTER TWO

- Students focus on extending their improvisation vocabulary, refine their skill development in characterisation and build on their understanding of different theatrical and dramatic forms.
- The class becomes a Theatre Company and works towards an original performance for local schools and kindergartens.

### Music

#### Semester One and Semester Two

Year 10 Music builds musical skills and develops practical experience in both group and individual performance.

- Students perform in a variety of styles, listen to a range of music, study musicianship, research and compose.
- It is recommended that students learn a musical instrument through the WSSC Instrumental Music Program or from private tutors.



## ARTS: VISUAL

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All Visual Arts studies require students to use a visual diary.

### **2D ART AND DESIGN – SEMESTER ONE AND SEMESTER TWO**

Subject Fee: \$ 30 per semester

Students produce a practical folio of work, experimenting with a variety of media and production methods including pastel, pencil, ink, collage and print making.

- Developing skills of drawing and mixed media are emphasised.
- Some aspects of art appreciation, relevant to practical work, will be covered with an emphasis of how to analyse an artwork.
- Research of selected artworks, artists and cultures will also be studied.

### **3D ART AND DESIGN – SEMESTER ONE AND SEMESTER TWO**

Subject Fee: \$ 30 per semester

Students explore a theme through the developmental process.

- Developing skills and techniques of sculptural and 3D art. Students will build on their experiments to complete final works.
- Students will work in the 3D Medium, using a variety of mediums including plaster, wire, clay, mosaic, wood and paper mache.
- A variety of 3D artists from varied periods of Art will be studied.
- Students will learn how to analyse an artwork.
- Students are encouraged to complete both units if interested in continuing to VCE Art/Studio Arts.

### **BLACK AND WHITE PHOTOGRAPHY**

Subject Fee: \$ 30 per semester

This unit gives students the opportunity to develop or improve skills and techniques in using an SLR camera, lighting skills, composition techniques and darkroom management in black and white processing.

- Students manipulate photographic images using techniques such as sepia toning; double exposure, solarising and hand colouring, as well as presenting the finished art works.
- A visual diary records techniques and ideas relating to practical work.

### **DIGITAL PHOTOGRAPHY**

Subject Fee: \$ 30 per semester

In this unit, students consolidate their camera techniques, lighting skills, composition techniques and develop their photographs by using computer programs such as Photoshop, in order to produce some creative photographs.

- A visual diary will be kept that records techniques and ideas which will relate to their practical work.

# ENGLISH

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## SEMESTER ONE

Students begin English study at the Senior College with a focus on language skills and comprehension. They will learn and apply a wide range of written and oral communication skills in the context of a range of short and longer texts including films, short stories, song lyrics, newspaper articles and novels.

- Students will undertake a detailed study of a film text and create a writing folio adopting a variety of styles for different audiences and purposes.
- Students will also undertake a close study of issues, learning to analyse visual and verbal language and to present an argument in both written and oral forms.

## SEMESTER TWO

Students begin Semester Two studying Unit 1 English. This pathway is to provide them the necessary skills to be successful in Units 3 and 4 English with more time allocated in Unit 4 for exam preparation than would otherwise be available.

- In Term Three, students study two texts to explore authorial choices and to create their own polished piece of prose
- Students will also undertake a close study of issues, learning to analyse visual and verbal language and to present an argument in both written and oral forms – extending on from what they learnt in Semester One English.

## ENGLISH ELECTIVES IN YEAR 10

### SEMESTER ONE

#### PUBLIC SPEAKING

This Public Speaking elective seeks to provide students more confidence in talking in front of an audience. In-class activities will include partner and group work and also extend to whole class performances. Credit will be given for those confident to extend their abilities to larger audiences either within or outside the school.

Improving confidence to speak out will help the students with their Oral Presentations, group and class discussions that are required in every English class. This will also benefit students interested in debating, community leadership and drama.

### SEMESTER TWO

#### YEAR 10 CREATIVE WRITING

This subject is for students with a genuine interest in the creative writing process. They will be provided with the opportunity to experiment with writing in a variety of forms, styles and genres for a range of audiences and purposes.

Students will use a number of creative writing techniques (such as free writing, visualisation and word association) to inspire them to explore their own use of language and imagination to create unique pieces of writing. This will benefit students who have a genuine interest in Literature, Media, journalism and communication.

# HEALTH AND PHYSICAL EDUCATION

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## HEALTH EDUCATION

Students will have the opportunity to Investigate concepts around general Health and Well-being, and Individual Human Development.

- Topics include interpersonal skill development, goal setting, decision making skills, drug/substance education, friendships, sexual relationships, body systems (digestive) and mental health.
- Activities will assist with developing knowledge of components of self-worth, coping skills, and understanding of the human body from a number of perspectives.

## LIFE-LONG RECREATION SPORTS

Students will be introduced to recreational pursuits that they may continue throughout their life. Activities may include Sailing, Fishing, Lawn bowls, Ten-Pin bowling, Croquet, Archery, Golf, Racquetball, Ultimate Frisbee, Card Games, Pilates and similar.

- There will be 2 single period practical sessions and a single theory session where students will study participation trends and the benefits of participation in sport and recreation, as well as any rules & regulations and the etiquette associated with the activity they are currently undertaking.
- This subject will incur addition costs for some of the activities and transport.

## OUTDOOR EDUCATION SEMESTER ONE

Subject Fee: \$295

Activities include bushwalking, abseiling and caving, kayaking, indoor rock climbing and mountain biking. Students will also gain or add to their knowledge of these activities as well as safety and bush first aid; correct planning and preparation for adventure activities, bush skills and environmental awareness. Subject fee costs need to be paid for the student to remain in the subject. Outdoor Education can only be selected in Semester 1 **OR** Semester 2.

## OUTDOOR EDUCATION SEMESTER TWO

Subject Fee: \$385

Activities include bushwalking, abseiling and caving, indoor rock climbing, cross country skiing and mountain biking. Students will also gain or add to their knowledge of these activities as well as safety and bush first aid; correct planning and preparation for adventure activities, bush skills and environmental awareness. Subject levy costs need to be paid for the student to remain in the subject. Outdoor Education can only be selected in Semester 1 **OR** Semester 2.

## PHYSICAL EDUCATION

The aim of this unit is to further extend knowledge and develop skills in a range of sporting activities, fitness and movement.

- The class is designed to encourage maximum participation in a range of activities.
- This unit will involve practical and theoretical components.

## ADVANCED PHYSICAL EDUCATION

This unit is recommended for students intending to undertake VCE Physical Education.

- Theory (60% of the course) includes human anatomy, energy systems, fitness components, designing of fitness programs, sports coaching and skill acquisition.
- Practical work (40% of the course) includes skill development across a range of sports, peer teaching, fitness activities and assessment.

## HUMANITIES

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Textbook Purchase:

Part of Year 10 Book Hire

Students in Year 10 must complete Semester 1 and Semester 2 in Humanities unless in an alternate program. Humanities involve the study of human societies and environments, people and their cultures in the past and the present. Civics and citizenship, economics, geography and history are studied, as described in AusVELS. Humanities provides a framework for developing in students the key ideas and concepts that enable them to understand the way in which people and societies have organised their world under particular conditions and made meaning of it. Critical thinking skills are developed through the analysis of visual and written representations, films and documentaries. The use of ICT, along with innovative and engaging lessons, aimed at catering for all learning styles, form the basis of the Humanities classroom.

- Students engage with critical thinking skills
- Students develop an action plan related to a current issue to explore different forms of power and influence

## LANGUAGES OTHER THAN ENGLISH (LOTE)

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Please refer to p. 34 of this Handbook, VCE LOTE

### Note:

- LOTE classes will run dependent on numbers of students selecting them.
- A full range of LOTE subjects are available via the Victorian School of Languages (VSL), Distance Education Program.
- These are supported by Wodonga Senior Secondary College.

### YEAR 10 INDONESIAN

LANGUAGE PERFECT SUBSCRIPTION: \$30

Studying Year 10 Indonesian is an exciting opportunity for students to continue to develop their written and spoken language skills, through a range of hands on activities and tasks, designed to prepare students for VCE Indonesian.

The Year 10 Indonesian course covers a range of topics and themes designed to promote communicative language, and exploring their personal world. Themes include providing opinions about music, writing a film review, careers and aspirations and celebrations' in Indonesia.

### YEAR 10 JAPANESE

LANGUAGE PERFECT SUBSCRIPTION: \$30

Studying Year 10 Japanese is another exciting opportunity to continue to develop their written and spoken language skills whilst also preparing students for the requirements of Units 1 – 4 Japanese.

## AVID (ADVANCEMENT VIA INDIVIDUAL DETERMINATION)

AVID is an academic course that has been balanced with Year 10 English. This course is designed to prepare students for academic achievement opening up options for the future. Each week, students receive instruction utilizing a rigorous curriculum combining English and AVID strategies, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth.

During the Year 10 course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings.

Students choosing AVID in 2016 will do this through their Graduate program and English class and once started will be locked into the program for one year. They should choose AVID as their Graduate program selection.

## MATHEMATICS

HOT Maths – Annual Subscription

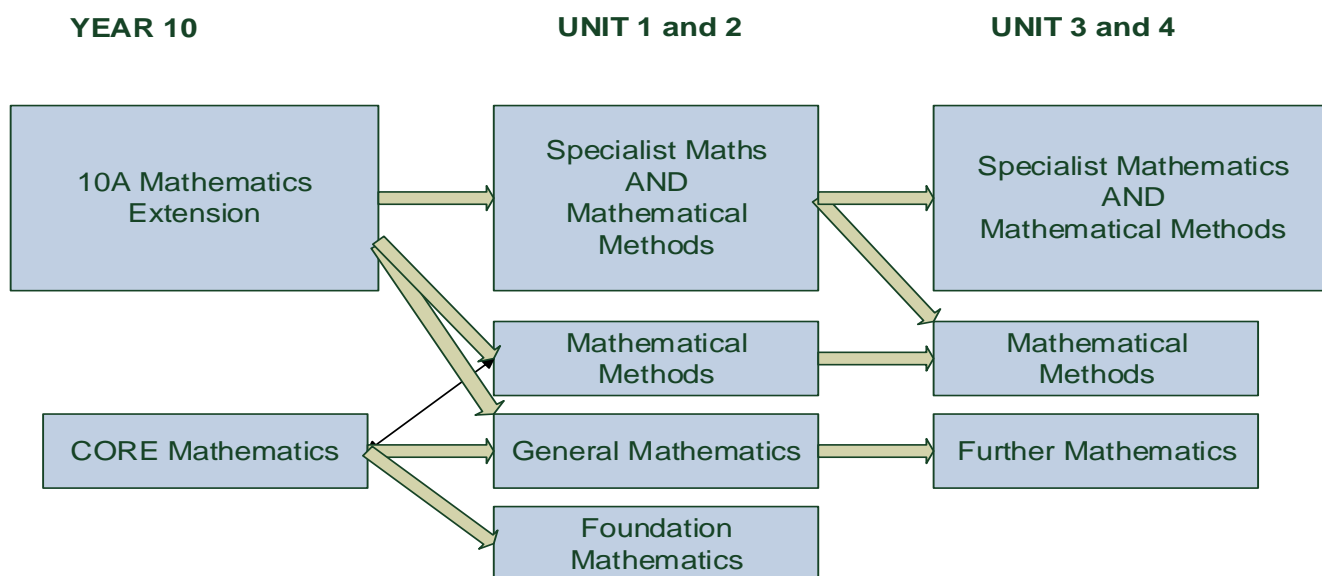
Part of Year 10 Book Hire

### YEAR 10 CORE MATHEMATICS (10)

At Year 10 students will complete CORE Mathematics. Students will be challenged at an appropriate level to further develop their skills within the proficiency strands of *Understanding, Fluency, Problem Solving and Reasoning*. CORE Mathematics focuses on working mathematically to explore Number and Algebra, Measurement and Geometry, and Statistics and Probability.

### YEAR 10 MATHEMATICS EXTENSION (10A) - OPTIONAL

This unit provides students with the opportunity to further explore concepts covered in the CORE Mathematics subject in preparation for further study of functions, algebra, and calculus; as well as other additional content related to statistics and trigonometry. Students considering studying mathematics at a tertiary level are encouraged to complete this subject.



# SCIENCE

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## Course Description

The science curriculum is organised around three interrelated strands. Each strand is of equal importance.

- **Science inquiry skills:** These involve posing questions, planning, conducting and critiquing investigations, collecting, analysing and interpreting evidence and communicating findings. This strand is concerned with evaluating claims, investigating ideas and solving problems, making valid conclusions and developing evidence-based arguments.
- **Science as a human endeavour:** Science influences society through the posing of, and responding to, social and ethical issues and science research is influenced by societal challenges or social priorities. This strand acknowledges that science has advanced through, and is open to, the contributions of many different people from different cultures at different times in history and that science offers rewarding career paths.
- **Science understanding:** This is evident when a person selects and integrates appropriate science knowledge in ways that explain and predict phenomena, and applies that knowledge to new situations and events. Science knowledge refers to facts, principles, laws, theories and models that have been established by scientists over time.

In Semester One, students investigate Genetics & DNA, The Periodic Table, Psychology and Global Systems & Sustainability. Semester Two looks at The Universe, Chemical Reactions, Evolution and Forces & Motion. Students will study science concepts which will prepare them for VCE studies, as well as applications which raise awareness of science as a springboard to careers and as an important part of everyday life.

# INFORMATION TECHNOLOGY

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## GAMES PROGRAMMING, DESIGN AND DEVELOPMENT

SUBJECT FEE:       \$30

In this subject students will use visual and text programming tools to design and develop computer games. Students will investigate areas of the gaming industry including story development, animation, technology, testing, and possible career opportunities.

- Students will develop programming and problem solving skills that can be transferred into any programming career
- Students will analyse games reviewing the story line, character development, themes, environment and use of sound and music.
- Students will investigate the role of physics, psychology and artificial intelligence in games design.
- Students will have the opportunity to participate in games programming competitions.

## ROBOTICS

SUBJECT FEE:       \$150 (STUDENTS THAT PAY THIS FEE GET TO TAKE HOME ARDUINO ROBOT)

This subject will use visual and text programming tools to control robots. They will study the impact and use of robotics in our everyday lives and investigate related career pathways in areas such as manufacturing, automation and medicine.

- Students will develop programming and problem solving skills that can be transferred into any programming career
- Students will program robot to perform real world tasks
- Students will investigate robotics in our current lives and the future possibilities.
- Students will build and program their own Arduino Robot

## **MULTIMEDIA (WEB/VIDEO/IMAGE EDITING)**

SUBJECT FEE: \$30

This subject will develop skills in image editing, video, multimedia and website design. Students will work their way from basic html to using website creation tools such as Dreamweaver. Students will develop their image editing skills and use a green screen to create their own short video.

- Use Photoshop to develop web designs and images.
- Develop websites with Dreamweaver
- Investigate the use of social media for advertising and promotion
- Video recording and editing

## **FOOD AND TECHNOLOGY**

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NB: Students taking food or hospitality classes will be required to contribute to the costs of ingredients consumed in these classes.

### **PREPARING BAKERY PRODUCTS**

Subject Fee: \$185

In this unit, students will be able to further develop skills they already have to prepare, bake and decorate a variety of sweet and savoury food items such as cakes, biscuits, slices, breads and pastries. This would suit a student considering a career in the Bakery industry.

- Food safety.

### **EAT WELL BE WELL**

SUBJECT FEE: \$185

This very practical course is designed to enable students to choose and prepare foods for enjoyment, health, performance and changing life styles.

- We work with foods suitable for easy everyday eating while focusing on quick, tasty and nutritious meals on a budget.
- Improved food choices through selective use of fresh and processed foods, and modification of dishes.
- Basic survival skills for when you leave home.
- Writing a budget / how much does it really cost?
- Cook foods kids love and substituting ingredients to improve nutrition while maintaining taste.

### **CHEF'S MASTER CLASS**

SUBJECT FEE: \$185

Learn the 'tricks of the trade' from a qualified chef, to develop more advanced skills in food selection, preparation and presentation.

- Food safety.
- Students prepare a variety of foods using a range of cooking methods suitable for a formal, multi-course menu, supper, afternoon tea, birthday or other special occasion.
- The unit is intended for students who enjoy preparing food, are interested in working in the food and hospitality industry or have creative interests in this area.
- This unit is finished with a group cooking competition.

## **COOK YOUR WAY AROUND THE WORLD**

SUBJECT FEE: \$185

This unit uses the study of food, eating habits and cuisines of other nationalities as a platform from which to encourage students to think globally and to foster in them a greater understanding and appreciation of other cultures, and the richness of our multicultural heritage.

- What place do international foods have in the Australian diet?
- Students will have opportunities to experience a wide range of cuisines and to work with associated food preparation techniques, ingredients and flavours.
- This unit is finished with an international banquet.

## **MATERIALS AND TECHNOLOGY**

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### **MATERIALS ENGINEERING**

SUBJECT FEE: \$ 55

This unit looks at the practical application, principles and concepts of engineering workshop processes.

- This includes Safety in the workshop, Sheet metal fabrication and Basic design and drawing techniques.
- Students will be expected to use a range of hand tools, power tools and engineering machining equipment.
- A folio containing all notes and handout materials, as well as a record of all work done must be maintained for the duration of this course.
- This unit may lead students in to the study of VET Engineering or VCE Design and Technology.

### **TIMBER STUDIES**

SUBJECT FEE: \$ 40

This unit is a project based unit and is a recommended unit for those students who wish to undertake VET Furnishing, VET Building construction or VCE Design and Technology, focusing on Timber. Students will investigate design and produce an item of furniture such as a small cabinet or shelving unit.

- Students will need to prepare and cost a cutting list of materials and maintain a weekly record of their progress in a logbook.
- Students will also be expected to complete a written or computer based research assignment that examines hardwoods and softwoods with emphasis on local species.



## SYSTEMS AND TECHNOLOGY

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### **AUTOMOTIVE STUDIES**

SUBJECT FEE: \$20

This unit looks at the practical application of the principles and concepts of vehicle design, manufacture and construction.

- We look at Safety in the workshop, basic welding and fabrication, tuning, and analysing engine and drive line performance.
- Students will be expected to use a range of hand tools, power tools and analysing/test equipment to test, operate and control automotive and auto-electrical systems.
- Students who successfully complete this unit may also progress from this unit into VET Automotive Engineering or VCE Systems Engineering.

### **YEAR 10 ELECTRONICS – BUILD AN IPOD DOCK**

SUBJECT FEE: \$ 70 (STUDENTS TAKE HOME FINISHED PRODUCT)

This is an Electronics unit which looks at the practical application of the principles and concepts associated with electronic design and construction.

- This includes Safety in the workshop, Construction and modification of electronic circuits, and operation and use of testing and diagnostic equipment
  - Students are expected to use a range of hand tools, power tools and analysing/test equipment to test, operate and control electronic and electrical systems.
  - Students will design and build a working IPod Dock which they will take home at the end of the unit.
  - Students who successfully complete this unit may be entitled to a credit toward some subjects in Certificate II in VET Electro technology. Students may also progress from this unit into VCE Systems Engineering.
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## GRADUATE PROGRAM

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WSSC and the school community have a vision for all graduates - academically and holistically. The Graduate Program has been designed to help you recognise and develop skills that will allow you to become a highly successful, employable and well-rounded person through attaining the following attributes:

- Display confidence and be capable and self-motivated.
- Demonstrate intellectual tenacity and persistence in problem solving
- Exhibit skilled analytic, critical, aesthetic and creative thinking as the situation demands.
- Set high expectations and act to meet these expectations.
- Respect self and others.
- Act with empathy and tolerance.
- Be comfortable living in a world of diverse people, cultures, and beliefs.
- Make meaningful contributions to society – the local and global community.
- Respond positively and appropriately to change and challenges.
- Flourish in a digital world and be a skilled user of evolving technologies
- Awareness of the post school opportunities available and successfully access them

To attain these attributes students will complete Impact Projects throughout the school year.

The following documents have been developed to assist you to Plan, Record and Reflect on the success of your Impact Projects.

All Year 10 students are required to select 3 preferences for their Impact Project. The following document will assist you with ideas of what you may like to be involved in. Also there are some website and video links for you to gain more information. Think about what you like, what you are passionate about – your Impact Project should be based around what you ENJOY!

Follow this link to LMS to view previous years Impact Projects to gain ideas about which Impact Project class you want to join:

<http://lms.wssc.vic.edu.au/?SID=489&ID=39212>

### **Animal Based Studies**

Students who have an interest or passion for animals will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** - Local Animal Organisations, Individual Volunteering – Community members requiring support with pets/animals, Organise Training Days, College Events, Sporting Teams – Equestrian, Animal Based Causes - International, National, State and Local fundraising events, Individual Causes

### **Artistic Improvement**

Students who have an interest or passion for a variety of art mediums will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** – Community Art Projects, Primary School Art Classes, Community Art Spot, Lunch time or after school art classes, Mural Development – College and Local Communities, Film Making, Dramatic Minds Festival, Selling/Raffling Art Works, Fundraising for local community art groups

## **College Media and IT**

Students who have an interest or passion for IT and Media will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** – Photography of College Events, Video production of College Events, App Development for College Students, “Know My Gizmo”, Develop IT Packages of College Events, Develop regular contributions to College Newsletters and IT Mediums, Contribute to local media, provide IT services for students, staff and community organisations, Robotics

## **Community Service**

Students who have an interest or passion for volunteering will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** – Schools, Aged Care settings, Disability Organisations, Sporting Organisations, Child Care settings, Council Events, Complete tasks for elderly or community members in need, Complete tasks/services at community organisations or facilities, International, National, State and Local fundraising events, Individual Causes, College Events

## **Duke of Edinburgh**

**Impact Project** - Duke of Edinburgh Award – Bronze, Silver and/or Gold. As part of the Duke of Edinburgh students are provided the opportunity to – Participate in Physical Activity, Learn a New Skill, Participate in Community Service, and Complete an Adventurous Journey.

Any young person aged 14 – 25 can do The Award, no matter what your gender, cultural background, religious or political affiliation, or ability. You will get out of The Award what you put in. There is the opportunity for you to both grow personally and connect with others, through a range of new experiences. You have the chance to discover your potential. The Award costs \$140.00 – this cost will be added to the student fees when this is selected – scholarships are available to cover this cost.

Want more information? <http://www.dukeofed.com.au/>

## **Hospitality**

Students who have an interest or passion for Hospitality and helping others will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** - Foodshare, Carevan, Council Events and Organisations, Organise cooking classes for community groups, Develop a College Café/Coffee “Van” for Community members in need, Food Based Fundraising Events - International, National, State and Local fundraising events, Individual Causes, College Events

## **Leadership Activities**

Students who have an interest or passion for Event Organisation and/or Leadership will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** – Lion’s Youth of the Year, Debating, Debutante Ball Organisation, Leadership Breakfasts, WSSC Gala Trivia Night, Student Leadership Council, Year 10 Formal Organising Committee

### **Language and EAL Based Projects**

Students who have an interest or passion for Languages and Literature will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** – EAL/English Support, Peer Language Skills, Tutoring, Cross-age Tutoring, Language Support Project – Paired Mentoring, Literature Club, Book Club

### **Our Connection Philippines – Exchange Program**

Our Connection is a personal development and immersion program for high school students. The program seeks to engage young Australians in a process of self-discovery and reflection. We encourage students to extend their actions beyond themselves to have a positive and lasting impact within disadvantaged communities in developing countries. Students selecting this program need to be willing and able to complete a 9 day trip to the Philippines during their Year 11 year of schooling. Students will be significantly guided with fundraising and financial support is available for all travelling students – money should not stop a student setting high expectations for themselves.

Want more Information? <http://lms.wssc.vic.edu.au/?SID=472&ID=42811>

### **Sport and Recreation**

Students who have an interest or passion for Physical Activity, Sport, Coaching, Training and Healthy Eating will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** – Local Sporting Organisations, Coaching, Sports Trainers, Facility Maintenance, Organise Sporting/Coaching clinics/round robins at local primary schools or WMYC, College Events – lunch time events, round robins, staff v students, College Sporting Teams Coaching/Training, Individual Sporting Pursuits – Elite Level, Sporting Organisations - International, National, State and Local fundraising events, Individual Sporting Clubs

### **Work Experience and Employability Skills**

Students who have an interest or passion for Languages and Literature will work with like-minded students and a specialist staff member to link in with community groups to ensure their passions and strengths are utilised in exciting and innovative Impact Projects.

**Impact Project Ideas** - Work experience, Create or further develop – Resumes, Cover Letters, Job Applications, Research and complete certificates and/or qualifications that increase employability

# VICTORIAN CERTIFICATE OF EDUCATION (VCE) AND VICTORIAN CERTIFICATE OF APPLIED LEARNING (VCAL)

Students in Years 11 and 12 have the choice between undertaking the Victorian Certificate of Applied Learning (VCAL) or the Victorian Certificate of Education (VCE). VCAL is an approved pathway for students not intending to undertake University Studies following Year 12. VCE is the pathway for students intending to undertake University Studies following Year 12. VCAL may be undertaken in a number of ways. See Page 18.

## YOUR CHOICES IN THE VCE

\* Please note that the VCE requires at least three Units of English to be passed, with university entry requiring a pass in both Units 3 and 4.

<p><b>VICTORIAN CERTIFICATE OF EDUCATION</b></p> <p><b>UNITS 1 to 4</b></p> <p><b>Performing Arts</b></p> <ul style="list-style-type: none"> <li>-Drama</li> <li>-Music Performance</li> <li>-Music Investigation (Units 3 &amp; 4)</li> <li>-Music Styles and Composition</li> <li>-Theatre Studies</li> </ul> <p><b>Visual Arts</b></p> <ul style="list-style-type: none"> <li>-Art</li> <li>-Media</li> <li>-Studio Arts (General)</li> <li>-Studio Arts (Photography)</li> <li>-Visual Communication and Design</li> </ul> <p><b>English</b></p> <ul style="list-style-type: none"> <li>-English</li> <li>-English Language</li> <li>-Literature</li> <li>-Extended Investigation (Units 3 &amp; 4)</li> </ul> <p><b>Health and Physical Education</b></p> <ul style="list-style-type: none"> <li>-Health and Human Development</li> <li>-Outdoor and Environmental Studies</li> <li>-Physical Education</li> </ul> <p><b>Humanities</b></p> <ul style="list-style-type: none"> <li>-Accounting</li> <li>-Business Management</li> <li>-History (20<sup>th</sup> Century) (Units 1 &amp; 2)</li> <li>-History (Ancient) (Units 1 &amp; 2)</li> <li>-History (Revolutions) (Units 3 &amp; 4)</li> <li>-Legal Studies</li> <li>-Philosophy</li> <li>-Sociology</li> <li>-Religion and Society</li> <li>-Politics: Australian and Global</li> </ul> <p><b>LOTE (Languages other than English)</b></p> <ul style="list-style-type: none"> <li>-Chinese</li> <li>-Indonesian</li> <li>-Japanese</li> </ul> <p>NB: LOTE is dependent on class size. LOTE subjects are available via the Victorian School of Languages (VSL) and these are supported within WSSC.</p> <p><b>Mathematics</b></p> <ul style="list-style-type: none"> <li>- General Mathematics (Units 1 &amp; 2)</li> <li>- Further Mathematics (Units 3 &amp; 4)</li> <li>- Foundation Mathematics (Units 1 &amp; 2)</li> <li>- Mathematical Methods for Computer Algebra System</li> <li>- Specialist Mathematics</li> </ul>	<p><b>Science</b></p> <ul style="list-style-type: none"> <li>-Biology</li> <li>-Chemistry</li> <li>-Environmental Science</li> <li>-Physics</li> <li>-Psychology</li> </ul> <p><b>Technology</b></p> <ul style="list-style-type: none"> <li>-Product Design and Technology</li> <li>-Food and Technology</li> <li>-Materials and Technology (Units 1 &amp; 2)</li> <li>-Computing</li> <li>-Systems Engineering</li> </ul> <p><b>AVID (Year 11 AVID/English)</b></p> <p><b>VCAL (Foundation, Intermediate, Senior)</b></p> <p><b>VET</b></p> <ul style="list-style-type: none"> <li>-Allied Health</li> <li>-Animal Studies</li> <li>-Applied Fashion Design</li> <li>-Automotive</li> <li>-Beauty</li> <li>-Building and Construction</li> <li>-Business Administration</li> <li>-Children’s Services</li> <li>-Circus Training</li> <li>-Community Services</li> <li>-Dance</li> <li>-Desktop Publishing</li> <li>-Electrical Industry Program</li> <li>-Engineering</li> <li>-Furniture Making</li> <li>-Hairdressing</li> <li>-Hospitality</li> <li>-Indonesian</li> <li>-Information Technology Networking</li> <li>-Integrated Technologies (Electrotechnology)</li> <li>-Laboratory Skills</li> <li>-Logistics (Units 1 &amp; 2 ONLY)</li> <li>-Multimedia</li> <li>-Music Industry (Technical Production)</li> <li>-Music Performance (Units 1 &amp; 2 ONLY)</li> <li>-Retail Operations (Units 1 &amp; 2 ONLY)</li> <li>-Sport and Recreation (General, AFL, &amp; Soccer)</li> </ul>
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# VICTORIAN CERTIFICATE OF APPLIED LEARNING (VCAL)

## VCAL EXPLAINED

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Work Placement Polo Shirts      \$ 40 (approx.)

The Victorian Certificate of Applied Learning (VCAL) is an alternative to the VCE. It is designed to provide students with practical experience, 'employability' skills and personal development opportunities which help prepare them for further training in the work place or at TAFE.

### ***There are four compulsory strands of study:***

- ◆ Literacy and Numeracy skills
- ◆ Industry specific skills
- ◆ Work related skills
- ◆ Personal development skills

### ***Students will study VCAL at one of the following levels to obtain a VCAL Certificate:***

- ◆ Foundation
- ◆ Intermediate
- ◆ Senior

Students enter at the level which matches their needs and abilities. A VCAL Certificate and Statement of results is awarded at the successful completion of the level chosen. Students' Literacy and Personal Development subjects determine the level of Certificate that they will obtain.

### ***What do I study?***

#### **1. Literacy and Numeracy Skills**

Students select their Literacy subject from VCAL Literacy and/or VCE English Units 1-4. Students select their Numeracy subject from VCAL Numeracy and/or VCE Maths Units 1-4.

#### **2. Industry Specific Skills – VET (Vocational Education and Training)**

Students are required to choose industry specific units from a VET program. They need not necessarily complete a single VET Certificate and can undertake a number of units from a range of programs to gain experience in a number of vocational areas. (E.g. Automotive, Engineering, Hospitality).

Please note that some VCE subjects, such as Biology, Chemistry & Accounting, can achieve the Foundation level Certificate.

#### **3. Work Related Skills**

Students choose a one day a week Work Placement, School Based Apprenticeship or Traineeship. They maintain a log-book that must be signed by their employer and complete work place related outcomes.

Students may attend a 'TAFE Tasters' program or other short courses. (E.g Responsible Service of Alcohol, Food Handling Certificate, and/or First Aid) as part of this subject.

#### **4. Personal Development Skills**

Students participate in community based and personally appropriate projects/activities to help develop teamwork skills, self-confidence and general employability.

## **AVID (ADVANCEMENT VIA INDIVIDUAL DETERMINATION)**

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AVID is an academic course that has been balanced with VCE English Units 1 & 2. This course is designed to prepare students for academic achievement opening up options for the future. Each week, students receive instruction utilising a rigorous curriculum combining English and AVID strategies, tutor-facilitated study groups, motivational activities and academic survival skills. The course emphasises rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for Year 12 VCE, study skills and test-taking strategies, note-taking and research.

The Year 11 course focuses on writing and critical thinking, building on the Year 10 curriculum, preparing students for the rigour of Year 12 VCE. There are university-bound activities that specialise in individual student requirements.

Students choosing AVID in 2016 will do this through their Graduate program and English class and once started will be locked into the program for one year. They should choose AVID as their Graduate program selection.

# VCE COURSE DESCRIPTIONS

## PERFORMING ARTS

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### **DRAMA UNITS 1 - 4**

#### **Course Description Units 1-2**

Subject Fee:	\$100
Textbook Purchase:	\$ 80 (approx..)
Excursions:	\$100 (approx. per unit)

These units consider Dramatic Storytelling, and non-naturalistic Australian Drama to develop skills and understanding of processes involved in creating performances.

- What techniques can be used to make solo and ensemble performances?
- How can we analyse our work, and the work of professionals?
- How can we draw on contemporary and historical contexts to create work?
- Work is developed, documented and performed to audiences.

#### **Course Description Units 3-4**

Subject Fee:	\$100
Textbook Purchase:	\$ 70 (approx.)
Excursions:	\$100 (approx. per unit)

These units produce a non-naturalistic Ensemble and non-naturalistic Solo Performances.

- Non-naturalistic performance styles and associated theatrical conventions are explored in the development of an ensemble performance.
- Different performance styles, theatrical conventions and stimulus materials from a variety of cultural sources contribute to the development of two solo performances.

#### **The study of Drama may lead to**

- Development of essential work skills with a focus on group work, common goals and emotional intelligence such as self-confidence, public speaking skills, development of interpersonal skills and a greater understanding of yourself.
- Employment as a Performing Artist, Writer, Theatre Director, Dramaturg, Teacher, Theatre Producer, Community Arts Projects, Events Management, Arts Consultant, Event Designer, TV Presenting, Radio
- Tertiary Studies: Bachelor of Arts (Acting, Music Theatre), Bachelor of Creative Arts Drama, Diploma of Events, Arts Administration, Teaching, Musical Theatre, Diploma of Arts and Screen Acting, Diploma of Performing Arts.



## **MUSIC PERFORMANCE UNITS 1 - 4**

Workbook: \$ 60 (approx.)

### **Course Description Units 1-2**

These units develop skills in preparing programs of musical works in solo and group settings.

Areas of study:

- **Performance** - prepare and present performance in Group and Solo Context.
- **Performance Technique** - development of instrumental techniques and the study of performance skills and strategies utilised by performers.
- **Musicianship** - aural perception, music theory and analysis.

### **Course Description Units 3-4**

Students select a program of group and solo works representing a range of styles and diversity of character for performance. Skills in aural perception, music theory and analysis, performance techniques and unprepared performance are developed, building on key knowledge and skills commenced in Unit 1 and 2.

- Students elect whether they will present as a soloist or a member of a group in the End of Year Performance exam.

Students of Music Performance are required to undertake tuition in their chosen instrument, either through the WSSC Instrumental Music Program or private tutors.

### **The study of Music Performance may lead to**

- Employment as a Performer, Instrumental Teacher, Class Teacher, Accompanist, Conductor, Studio Musician, Studio Technician;
- Tertiary Studies: Bachelor of Music Performance, Bachelor of Music Composition, Diploma of Popular Music and Performance.

## **MUSIC INVESTIGATION UNITS 3 - 4**

### **Course Description Units 3-4**

*This subject is designed for students with considerable experience in practical and theoretical music aspects.*

This course involves both performance research and performance of works allied to a FOCUS AREA.

The three areas of study are:

- Investigation-research - issues relevant to performance practice in the Focus Area.
- Composition/Improvisation/Arrangement - a folio that demonstrates understanding of the Focus Area.
- Performance (in Group or Solo context) - performance of works representative of the selected Focus Area.

### **The study of Music Investigation may lead to**

- Employment as a Performer, Composer, Music Critic, Musical Instrument Maker, Studio Musician, Conductor, Instrumental Teacher, Class Music Teacher;
- Tertiary Studies: Bachelor of Music Performance, Bachelor of Music Composition, Diploma of Popular Music.

## **MUSIC STYLE AND COMPOSITION UNITS 1 - 4**

Students listen, analyse and respond critically and creatively to music from a range of geographical, social and cultural contexts. Students use a range of practices to develop their understanding of the ways music can be designed, created and performed. The course involves listening, analysing and creating music. A major externally assessed task is sent to VCAA for marking in Unit 4.

### **The study of Music Style may lead to**

- Employment as a Performer, Composer, Music Critic, Musical Instrument Maker, Studio Musician, Conductor, Instrumental Teacher, Class Music Teacher, Music Technology Skills;
- Tertiary Studies: Bachelor of Music Performance, Bachelor of Music Composition, Diploma of Popular Music.

## **THEATRE STUDIES UNITS 1 - 4**

### **Course Description Units 1-2**

Subject Fee:	\$100
Textbook Purchase:	\$ 70 (approx.)
Excursions:	\$100 (approx.)

These units focus on Theatrical Styles of the Pre-Modern Theatre, and Modern Theatre, to develop skills and understanding of stage crafts involved in presenting performances.

- From Greek to Elizabethan to *Commedia* to Melodrama, Beijing Opera to Noh Theatre and Butoh. How has theatre found different ways of presenting work?
- What is stagecraft? Acting, Costume, Direction, Lighting, Makeup, Promotion, Props, Set, Sound, Stage Management, Theatre Technologies.
- Naturalism/Realism; Expressionism; Epic Theatre; Feminist Theatre; Stanislavski, Chekhov, Brecht  
What have more recent theatre practitioners been doing?

### **Course Description Units 3-4**

Subject Fee:	\$100
Textbook Purchase:	\$ 70 (approx.)
Excursions:	\$100 (approx.)

These units concentrate on Playscript Interpretation and Performance Interpretation, to produce a play, analyse and evaluate performances, and produce monologues.

- The three stages of Theatrical Production Process: planning period, rehearsal period and presentation period.
- The class works collaboratively to create the production.
- Creating a character, with stagecraft and research, equals ... the monologue.
- Analyse and evaluate the use of stagecraft in a professional performance.

### **The study of Theatre Studies may lead to**

- Employment as a Set Designer, Publicist, Community Arts Worker, Communications, Writer, Actor, Lighting Technician, Sound Technician, Theatre Stage Manager, Public Relations Officer, Broadcast Presenter, Teacher
- Employability skills of initiative and enterprise, planning and organisation, problem solving, self-management, teamwork, communication and technology.
- Tertiary Studies: Diploma of Live Production, Theatre and events (Technical Production), Teacher, Arts Administration.

## **VISUAL ARTS**

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**Please note:** It is advisable that due to workload, students should not select more than TWO folio based subjects. If the student wishes to select more than TWO folio based subjects, this will need to be discussed with the Arts Coordinator for approval.

### **ART UNITS 1 - 4**

Subject Fee:	\$ 60 per year
Textbook Hire:	\$ 20 per year
Excursions:	\$ 50 (approx.) per year

#### **Course Description Units 1-2**

These units focus on artworks as objects, and also forms of cultural expression.

- How do formal qualities such as art elements, materials and techniques communicate meaning, in different societies, cultures and historical periods?
- What inspires different artists to develop their own points of view about meanings and messages?
- Students study the Frameworks over the Units to apply to their artworks.
- In their practical work, students continue to explore techniques and develop personal and creative response in their folio work.

#### **Course Description Units 3-4**

In these units students apply imagination and creativity to develop their ideas through visual language, creating a folio of their own work.

- Folio work is supported through investigation, exploration and application of a variety of materials and techniques.
- Students study selected artists who produced works before and after 1970.
- In Unit 4 students study issues in Art and explore a particular issue to express their opinions.

#### **The study of Art may lead to**

- Employment as an animator, photographer, fashion designer, advertising executive
- Tertiary Studies: Cert IV in Arts (Interior Decoration), Diploma of Graphic Design

### **MEDIA UNITS 1 - 4**

Subject Fee:	\$ 60 per year
Excursions:	\$ 50 (approx.) per year

#### **Course Description Units 1-2**

These units address Technology and Representation, Media Production and the Australian Media Industry.

- Students develop an understanding of the relationship between the media, technology and the representation present in media forms.
- Students develop an awareness of the specialist production stages and roles within the collaborative organisation of media production.

#### **Course Description Units 3-4**

These units are themed around Narrative and Media Production Design, as well as Social Values, Media Process and Media Influence.

- Students are able to develop an understanding of production and story elements and to recognise the role and significance of narrative organisation in fictional media texts.
- Students also develop practical skills through completing skill exercises and designing an individual media production in a format of their choice under the following categories: film, print publication, TV, radio, photography, and animation, digital or online publication.
- Students also develop an awareness of the role of social values in the construction of media texts and analyse issues raised about the role and influence of the media.

#### **The study of Media may lead to**

- Employment as a copywriter, audiovisual technician, film critic, film director/producer, publisher
- Tertiary Studies: Bachelor of Design (Communication), Cert IV in Screen and Media

## **STUDIO ARTS (GENERAL) UNITS 1 - 4**

Subject Fee: \$ 60 per year  
Excursions: \$ 50 (approx.) per year

### **Course Description Units 1-2**

These units introduce students to Artistic Inspiration and Techniques, and Design Exploration and Concepts through the study of a range of different topics. Students will look at:

- What inspires artworks?
- What materials and techniques - Painting, Drawing, Printing, Sculpture/Ceramics and Textiles- are available as tools for translating ideas, observations and experiences into visual form?
- How have artists worked in different times and locations?

### **Course Description Units 3-4**

These units focus on Studio Production, Professional Practice and Art Industry.

- Students will develop ideas, a range of potential directions and solutions, and finally produce a folio of finished artworks based on a written exploration proposal.
- Students examine and analyse professional art practices in relation to artists' style evident in different cultural and/or historical contexts, particular art form(s), the development of distinctive styles in artworks, and the legal and ethical considerations of appropriation in the making of new artworks.

### **The study of Studio Arts (General) may lead to**

- Employment as a potter, silversmith, cartoonist, industrial designer
- Tertiary Studies: Advanced Diploma of Engineering Technology - Silversmith

\* Students **cannot** choose both Studio Arts General and Studio Arts Photography.

## **STUDIO ARTS (PHOTOGRAPHY) UNITS 1 - 4**

Subject Fee: \$ 60 per year  
Excursions: \$ 50 (approx.) per year

### **Course Description Units 1-2**

These units focus on Artistic Inspiration and Techniques, and also Design Exploration and Concepts through the study of a range of topics.

- Student's source ideas and inspirations, and experiment with a variety of materials and techniques.
- Students explore digital and/or darkroom manipulation, and develop a design process to translate ideas into visual forms.
- Students will examine how artists have worked in different times and places.

### **Course Description Units 3-4**

These units focus on Studio Production, Professional Practice and Art Industry.

- Students will develop individual ideas and concepts, identify a range of potential directions and solutions, and finally produce a folio of finished artworks based on a written exploration proposal.
- Students examine and analyse professional art practice as well as artists' style evident in different cultural and/or historical contexts, the development of distinctive styles in artworks, and the legal and ethical considerations of appropriation in the making of new artworks.

### **The study of Studio Arts (Photography) may lead to**

- Employment as a photographer, camera operator, desktop publisher, cartoonist, set designer
- Tertiary Studies: Diploma of Visual Art, Bachelor of Film and Digital Media

## **VISUAL COMMUNICATION AND DESIGN UNITS 1 - 4**

Subject Fee:	\$ 60 per year
Textbook Hire:	\$ 20 per year
Excursions:	\$ 50 (approx.) per year

### **Course Description Units 1-2**

These units aim to introduce visual communication, industrial and environmental design and an understanding of the design process and brief.

Students will:

- develop an understanding of instrumental drawing methods including: perspective, isometric, planometric and orthogonal.
- Develop freehand and digital drawing skills to produce observational and visualisation sketches.
- Utilise manual and digital processes to explore typography and the principles and elements of design.

### **Course Description Units 3-4**

The focus of these units is for students to apply their knowledge of the three design fields, through the design process, to prepare a brief that defines two needs for a client.

- develop an understanding of visual communication production through the application of the design process to satisfy specific communication needs
- investigate, analyse and examine the production of visual communications in a professional settings.

### **The study of Visual Communication and Design may lead to**

- Employment as an architect, graphic, interior, industrial or costume designer.
- Tertiary Studies: Bachelor of Creative Technology, Diploma of Applied Fashion Design.

## **ENGLISH**

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### **ENGLISH UNITS 1 - 4**

#### **Course Description Units 1-2**

Text Hire:	\$ 20 (approx.)
Skills Workbook	\$ 35 (approx.)

These units cover two core outcomes to develop comprehension, planning, writing and editing skills and to prepare students for Units 3 and 4

- Critical analysis of a written and a multi-modal texts
- Creating a piece of writing in a range of styles and forms
- Analysing the ways verbal and visual language are used to persuade

#### **Course Description Units 3-4**

Text Hire:	\$ 25 (approx.)
Skills Workbook	\$ 40 (approx.)

These units continue with the two core outcomes

- Students apply their skills to a range of creative, analytical and media texts
- Class work and the final exam assess competence and confidence in writing and speaking for different purposes and to different audiences, in a variety of forms.

## **ENGLISH LANGUAGE UNITS 1 - 4**

Textbook Purchase: \$ 45 (approx.)

### **Course Description Units 1-4**

These units consider the technical construction and use of the English language, the nature and functions of language, the way language is organised and its use in communication. Students cover topics such as changes in language over time, language in its social setting and situating texts in their social, cultural and ideological contexts.

#### **The study of English Language may lead to**

- Employment as an editor, translator, film, speech pathologist, lawyer, politician and television editor to name a few
- Tertiary Studies: Bachelor of Communications, Bachelor of Arts (Creative Writing), Bachelor of Commerce, International Relations, Speech Pathology

***N.B English Language 1 and 2 should be taken after students have completed Unit 1 English in their year 10 year.***

***English Language Units 1 and 2 will be offered in 2016 to lead on to English Language Units 3 and 4 in 2017 provided there is sufficient student interest.***

***Students can choose this to be their only English but is highly recommended they complete Units 1 and 2 before Units 3 and 4 of English Language.***

## **LITERATURE 1 - 4**

### **Course Description Units 1-2**

Text Hire: \$ 20 (approx.)

### **Course Description Units 3-4**

Text Hire: \$ 20 (approx.)

Skills Workbook: \$ 50 (Approx)

These units focus on the close and critical analysis of a range of different creative texts (such as poetry, prose, drama and non-print).

Students can undertake Unit 1 Literature at the start of 2016. Students can choose this to be their only English after their study of Unit 1 English in their year 10 year.

- Students develop critical and creative responses and deepen their understanding of the meaning of texts by studying literary elements such as the style of narrative, the characters, the language and structure of the text.
- The impact of culture as an influence on understanding and interpretation of text is also explored.
- This subject requires frequent and detailed reading and writing.
- Students are encouraged to reflect and develop individual interpretations.

#### **The study of Literature may lead to**

- Employment as a writer, interpreter, publicity officer, librarian, publisher, linguist
- Tertiary Studies: Bachelor of Arts, Bachelor of Arts (English Language)
- A lifelong love for reading

## **Extended Investigation,** **Course Description Units 3 – 4 only**

Extended Investigation is designed to enable students to ask a rigorous, searching research question, conduct research and present the results of research.

Your research question can come from any area but it must not duplicate any current Unit 3-4 VCE study. Research questions are formally lodged with the Victorian Curriculum and Assessment Authority in Term 1.

Examples of previous research questions:

- How did the introduction of steam technology to the construction of the Panama Canal affect the development, efficiency and success of the project?
- How effective is the Karkarook Park wet filtration system in improving water quality? A case study.
- What change of attitude towards speeding whilst driving do Transport Accident Commission ads have on young (name of) School male and female drivers?
- How has the rise of the internet affected food culture?
- What is the effect, if any, on a (name of) School student's academic results when they are using their mobile phones in class?
- Examined through poetry, with focus on two particular points in time, how has existential thought progressed?

You will undertake independent research, learn about research ethics, read selected literature, and use the conventions of academic writing including referencing systems and acknowledging sources.

Learning and applying skills of critical thinking is a foundation of the study.

Work requirements: you will keep a journal of all aspects of research, complete an online exam on critical thinking, conduct independent research, write a 4000 word report, and make an oral presentation to a non-expert, independent panel.

# HEALTH AND PHYSICAL EDUCATION UNITS 1-4

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## **HEALTH AND HUMAN DEVELOPMENT UNITS 1 - 4**

### **Course Description Units 1-2**

Textbook Hire: \$ 25

These units consider the Health and Development of the Lifespan, including Youth; Australia's Healthcare System and Health Related Issues.

- How important is nutrition for the provision of energy and growth during the lifespan stage of youth?
- What factors affect the health and individual human development of Australia's children? Biology, behavioural factors, physical and social environments, physical, social, emotional and intellectual changes ... what happens as we grow?
- What is Australia's Healthcare System? And what makes it unique?
- Why do we age? And how does this affect the Australian Health Care system?

### **Course Description Units 3-4**

Textbook Hire: \$ 25

These units consider Australia's Health, as well as Global health and Human Development.

- How does Australia's health compare with that of other developed populations and developing populations?
- What are the roles of governments in addressing health, and health promotion?
- How are we going in terms of the United Nations' Millennium Development Goals? What about health and sustainability?

### **The study of Health and Human Development may lead to**

- Employment as a nurse, physiotherapist, child carer, paramedic, social worker, travel consultant, teacher
- Tertiary Studies: Bachelor of Health Sciences, Bachelor of Social Work, Bachelor of Education (Health Education)

## **OUTDOOR AND ENVIRONMENTAL STUDIES UNITS 1 - 4**

Textbook Hire: \$ 25

### **Course Description Units 1-2**

Unit 1 examines some of the ways in which people understand and relate to nature through experiences of outdoor environments. Unit 2 focuses on the characteristics of outdoor environments and our impacts on them.

- What motivates individuals towards outdoor environments and experiences?
- How have people interacted with outdoor environments? What happens now? How does the nature environment impact on humans and what impact are humans having on outdoor environments?
- Adventure activities may include rock climbing, caving, hiking, snow camping, Skiing & boarding, horse riding, surfing and mountain bike riding.

### **Course Description Units 3-4**

Unit 3 looks at the ecological, historical and social effects of people on the Australian environment. Unit 4 explores the sustainable use and management of outdoor environments.

- What ecological, historical and social contexts help us think about relationships between humans and outdoor environments in Australia?
- What about conservation? How can outdoor environments be maintained?
- Can human needs and the needs of outdoor environments be balanced?
- Adventure activities include bushwalking, and activities chosen to meet student and course requirements.

### **The study of Outdoor and Environmental Studies may lead to**

- Employment as an adventure guide, sports coach, event organiser, forester
- Tertiary Studies: Advanced Diploma of Tourism, Bachelor of Applied Science (Adventure Ecotourism)



## **PHYSICAL EDUCATION UNITS 1 - 4**

### **Course Description Units 1-2**

Textbook Hire: \$ 30 (approx.)

Workbook \$ 30 (approx.)

These units address Learning and Improving Skill, and the Active Body.

- How do athletes learn and improve physical skills? How do coaches and sports psychologists contribute to this? How does understanding biomechanical concepts improve performance?
- How do musculoskeletal, cardio-respiratory and energy systems function during physical activity?

### **Course Description Units 3-4**

Textbook Hire: \$ 30

Workbook \$ 30 (approx.)

These units consider physical activity from a Physiological perspective, as well as strategies to enhance physical performance.

- Physical activity participation, promotion and assessment.
- Acute responses to exercise.
- Energy systems and exercise.
- Fatigue, recovery and response to training. Physiological effects of physical activity.
- How can we assess fitness? Planning and evaluating training programs to enhance fitness.
- Strategies which will enhance performance.

### **The study of Physical Education may lead to**

- Employment as a massage therapist, referee, physiologist
- Tertiary Studies: Bachelor of Sports Science, Diploma of Outdoor recreation

## **HUMANITIES**

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## **ACCOUNTING UNITS 1 - 4**

### **Course Description Units 1-2**

Textbook Hire: \$ 25

Workbook \$ 30 (approx.)

These units focus on establishing, accounting and financial management of a small business, and accounting for a sole trader.

- Gathering, recording, reporting and analysing financial data
- Single and double entry recording and reporting of cash and credit transactions, and stock
- Evaluating performance and strategies to improve business performance

### **Course Description Units 3-4**

Textbook Hire: \$ 25

Workbook: \$ 30 (approx.)

These units focus on financial accounting for a single activity trading business, operated by a sole trader. There is an emphasis on accounting as an information system.

- Double entry/accrual accounting
- First In, First Out method of stock recording
- Financial and non-financial information assisting management
- Budgeting for cash, financial performance and financial position

### **The study of Accounting may lead to**

- Employment as an accounts clerk, purchasing officer, Certified Practising Accountant (CPA), statistician, business manager, actuary consultant
- Tertiary Studies: Bachelor of Business (Accounting), Cert IV in Financial Services

## **BUSINESS MANAGEMENT UNITS 1 - 4**

### **Course Description Units 1-2**

Textbook Hire: \$ 25

These units look at Small Businesses, Communication and Management

- Small businesses provide a wide variety of goods and services for both consumers and industries; they are very important; and they are everywhere.
- How do they work?
- How important is effective communication in making a business tick?

### **Course Description Units 3-4**

Textbook Hire: \$ 35

These units look at Corporate Management, Managing People and Managing Change

- How do large scale, complex businesses work?
- What makes good managers, management styles, skills and management structures?
- What about managing human resources?
- How do businesses go about managing change?

### **The study of Business Management may lead to**

Employment as a bank officer, personnel clerk, telemarketer, accountant

Tertiary Studies: Diploma of Business, Diploma of International Business, Bachelor of Commerce

## **HISTORY (20<sup>TH</sup> CENTURY) UNITS 1 - 2**

### **Course Description**

Textbook Hire: \$ 20

History Units 1 and 2 cover the main events of the twentieth century, excluding the two world wars. The following gives you an outline of the Unit 1 course.

Area of Study 1:

Ideology and conflict

- What impact did the treaties which concluded World War One have on nations and people?
- What were the dominant ideologies of the period?
- What impact did the post-war treaties, the development of ideologies and the economic crisis have on the events leading to World War Two?

Area of Study 2:

Social and Cultural Change

- What continuity and what change is evident between the 1920s and 1930s in social and cultural life?
- How did ideologies affect the daily lives of people?
- How did cultural life both reflect and challenge the prevailing political, economic and social circumstances?

Unit 2 (1945 – 2000) explores The Cold War, 1960's, The Vietnam War and political change.

## **HISTORY (ANCIENT ) UNITS 1 - 2**

### **Course Description**

Textbook Purchase: \$ 70 (approx.)

Unit 1 covers Ancient Mesopotamia.

The lands between the rivers Tigris and the Euphrates have been described as the 'cradle of civilisation'. Although this view is now contested in ancient history and archaeology, the study of Ancient Mesopotamia provides important insights about the growth of cities. Students investigate the creation of city-states and empires. They examine the invention of writing – a pivotal development in human history. This unit highlights the importance of primary sources (the material record and written sources) to historical inquiry about the origins of civilisation.

Unit 2 covers Ancient Egypt.

Ancient Egypt gave rise to a civilisation that endured for approximately three thousand years. Unlike Mesopotamia, Egypt was not threatened by its neighbours for the greater part of its history. The Nile served as the lifeblood of urban settlements in Upper and Lower Egypt. Kingdoms rose, flourished and fell around the banks of this great river. This unit highlights the importance of primary sources (the material record and written sources) to historical inquiry about Old and Middle Kingdom Egypt.

## **HISTORY (REVOLUTIONS) UNITS 3-4**

### **Course Description**

Textbook Hire: \$ 35

These units look at

- Russia: 1886 – 1927, The causes and aftermath of the Russian Revolution, including the rise of Communist thought, the significance of Lenin in contributing revolution, Bloody Sunday, and a look at how ideals changed as the new regime attempted to consolidate power
- America 1756 – 1787, The causes and aftermath of the American Revolution, including ideas such as republicanism, the significance of leaders such as George Washington, Samuel Adams and others and the obstacles they faced in seeking to establish a new society.

### **The study of History may lead to**

Roles as a Tour guide, diplomat, analyst, journalist, teacher, art critic, detective and many other professions that require critical analysis and thinking.

## **LEGAL STUDIES UNITS 1 - 4**

### **Course Description Units 1-2**

Textbook Hire: \$ 28

These units look at Criminal Law, Justice and Civil Law

- Why do we have laws? How does criminal law work in Victoria? What is the role of police? What is Justice? Fairness? What punishments are possible?
- What is a civil dispute? How does our society manage civil disputes? In court or without going to court?
- These units also look at specific areas of law, and current legal issues.

### **Course Description Units 3-4**

Textbook Hire: \$ 25

Revision Notes \$ 30 (approx.)

These units look at Law making and Dispute resolution

- Who makes laws? How do they do it? Why is the Commonwealth Constitution important?
- Do the law-makers get it right? Can law change society?
- What about the courts, tribunals and other ways of resolving disputes? How does criminal law work? What happens in a trial?
- What's the difference between the adversary and inquisitional systems in court? How effective is the Victorian legal system?

### **The study of Legal Studies may lead to**

- Employment legal secretary, court clerk, human relations officer, lawyer
- Tertiary Studies: Bachelor of Laws, Adv. Dip of Business (Legal Practice), Dip Liberal Arts

## **PHILOSOPHY UNITS 1 - 4**

### **Course Description Units 1-2**

Textbook Hire: \$ 25

These units look at 'doing philosophy' and some philosophical issues in everyday life

- How do we know what we think we know? What is real? What are the arguments for the existence of God? Do we have free will? What is time? How can we go about thinking, reasoning and using logic, the philosopher's tools.
- Ethics: what makes an action right or good? How do we know what's right? What about aesthetics? Religion? Politics? Justice? Other ways of thinking?

### **Course Description Units 3-4**

Philosophy Readings: \$ 25

These units look at three questions: What am I? Who am I? How should I live? Good Life, Mind and Knowledge

- The mind: is it simply a physical brain or is there a spiritual or metaphysical 'mind'? What about the relationship between mind and body?
- Identity: am I the same person now, as the person who finished primary school five years ago?
- What is the nature of happiness? Of pleasure? Does the 'good life' mean being morally decent to other people? Are we all capable of achieving the good life?
- What have philosophers said about how people should live their lives?

### **The study of Philosophy may lead to**

- Employment as a writer, teacher, legal executive, youth worker, industrial relations officer.
- Tertiary Studies: Bachelor of Arts (Politics and Public Policy), Adv Dip of Justice.

## **SOCIOLOGY UNITS 1 - 4**

### **Course Description Units 1-2**

Workbook: \$ 45 (approx.)

These units look at Youth, Family, education and the Workplace

- What do we know about the experiences of young people in Australian Society both today and in the past?
- The family is a central social institution. What factors have an impact on families?
- Deviant behaviour including moral panics are analysed and explained using sociological theories.
- How effective is punishment in shaping human behaviour?

### **Course Description Units 3-4**

Textbook Hire: \$ 20

These units look at Aboriginal culture, Ethnicity, Community and Social Movements and Social Change

- How do communities cope with the challenges of political, social, economic and technological changes?
- What about relationships between cultural communities? Aboriginal and Torres Strait Islander peoples? People from non-English speaking backgrounds?
- We explore Australia's ethnic diversity and celebrate culture that has shaped Australia to be what it is over the last 100 years.
- Issues of social justice and human rights are also investigated.

### **The study of Sociology may lead to**

- Employment as an occupational therapist, human resources manager, safety inspector, research Manager.
- Tertiary Studies: Bachelor of Health Sciences/Arts, Diploma of Community Development, Politics, International Relations.

## **RELIGION AND SOCIETY UNITS 1 - 2**

### **Course Description**

Textbook Hire: \$ 25 (approx.)

This study proposes that religions can be understood in a general way as meaning systems that have eight interrelated aspects. These guide students through their study of one or many religious traditions.

The eight aspects are:

- Beliefs
- Myths and other stories
- Sacred texts and other religious writings (such as formal creeds)
- Rituals
- Symbols
- Social structures
- Ethical principles and oral or written codes of behaviour
- Religious experience and spirituality (characteristic ways of thinking and behaving in the light of beliefs).

The beliefs, values and ideas of religious traditions can play an important part in shaping and maintaining culture. Religious beliefs about the nature of existence and the purpose of human life provide a frame of reference for understanding the world and for guiding daily personal and communal action. VCE Religion and Society is designed for students to engage with the great questions of life. It aims to develop understanding and respect for the perceptions of the participants in religious traditions. It values and promotes open inquiry, without bias towards any on tradition, while drawing on the personal and collective experience of the students.

## **POLITICS: AUSTRALIAN AND GLOBAL UNITS 1 – 4**

### **Course Description**

Textbook Hire: \$ 25 (approx.)

Australia and Global Politics provides knowledge and skills that prepare students for formal study at the tertiary level or in vocational education and training settings. It also leads to opportunities in a range of careers, including academia, management, and government. Students may also pursue occupations in corporate and private enterprises in fields such as journalism, law, research and politics.

### **STRUCTURE:**

The study is made up of six units.

Unit 1: The national citizen

Unit 2: The global citizen

Units 3 & 4: Australian Politics

Unit 3: Evaluating Australian democracy

Unit 4: Australian public policy

Units 3 & 4: Global Politics

Unit 3: Global actors

Unit 4: Global challenges

Each unit deals with specific content contained in areas of study and is designed to enable students to achieve a set of outcomes for that unit. Each outcome is described in terms of key knowledge and key skills.

## **LANGUAGES OTHER THAN ENGLISH (LOTE)**

Being able to speak a second language is a powerful skill, which may give students a competitive edge above their peers in a variety of different career paths. By selecting to study a language at Wodonga Senior Secondary College, students will be setting themselves up for success in life after school, by having a powerful advantage above their peers – a second language.

**\*\*Note:** The Victorian School of Languages is used to provide distance education tuition for students wishing to undertake language studies in a LOTE not offered by the College. Before selecting this option, please speak to an Assistant Principal.

LOTE classes are dependent on class size. Year 10 students of LOTE will be enrolled in Unit 1 of the relevant language. A full range of LOTE subjects is available via the Victorian School of Languages (VSL). The College will support VSL students with their studies.

## **VCE CHINESE (MANDARIN) UNITS 1 - 4**

Chinese (Mandarin) is offered as a First Language Option, and students select this by selecting Language: Other on their subject selections.

## **INDONESIAN UNITS 1 - 4**

Language Perfect Subscription: \$ 30 per year

### **Course Description Units 1-2**

This Unit covers the topics Personal world, Visiting Indonesia, Lifestyles, Arts and entertainment, Education and aspirations, Customs and traditions, Stories from the past and the World of Work, and has been designed to build upon a students' prior language knowledge and skills.

During this course students will also develop and become more familiar with a variety of different text types including personal and imaginative written texts, and role-play conversations.

### **Course Description Units 3-4**

Units 3 and 4 Indonesian, further extend the spoken and written language capabilities of students by investigating the following prescribed themes: Social issues, Australian-Indonesian relations, Personal Opinions and Values and the Environment.

During this course students will also develop and become familiar with a variety of different text types including writing personal, imaginative, persuasive, informative and evaluative texts and spoken presentations. Students will also undertake a detailed study, related to one of the prescribed themes. The Detailed Study also forms a major element of the oral examinations at the end of the year.

### **VET: Languages Indonesian Certificate 2**

Certificate II in Applied Languages: Indonesian, provides students with a practical opportunity to develop spoken and written language skills in Indonesian, specifically focused on business outcomes. In this course students will learn to problem solve in the workplace using written and spoken Indonesian, as well as apply for employment. This course complements Unit 3 and 4 Indonesian.

### **VET: Languages Indonesian Certificate 3**

Certificate III in Applied Languages: Indonesian, provides students with a practical opportunity to develop spoken and written language skills in Indonesian, specifically focused on business outcomes. This course can be undertaken as an alternative to Unit 3 and 4 Indonesian.

## **JAPANESE UNITS 1 - 4**

Language Perfect Subscription: \$ 30 per year

### **Course Description Units 1-2**

The prescribed topics for Unit 1 and 2 include Personal world, Daily life, Visiting Japan, the World of Work, and Life in Japan.

- Students will be expected to be familiar with personal, imaginative, persuasive, informative and evaluative language.

### **Course Description Units 3-4**

The prescribed topics for Unit 3 and 4 include Personal World, Visiting Japan, Past and Future, Getting to know people in Japan, Changes in daily life and Home and neighbourhood.

- Students will be expected to be familiar with personal, imaginative, persuasive, informative and evaluative language.
- Students are required to undertake a detailed study related to the prescribed topics and is based on a selected sub-topic.

### **The study of a Language Other than English may lead to**

- Greater Employment opportunities, in Hospitality, Business, the Australian Defence Forces, Tourism and Education.
- Greater Tertiary Opportunities: Many tertiary institutions provide pathways for further study of Indonesian and Japanese, including in-country study opportunities and bonus marks upon entry

# MATHEMATICS

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Students may elect to complete one or more Mathematic subjects at a VCE level from the subjects listed below. Students are advised to discuss their subject selections with their year 10 Mathematics teacher. Entry into VCE Mathematics may require students to demonstrate minimum entrance standards.

## **GENERAL MATHEMATICS UNITS 1-2 AND FURTHER MATHEMATICS UNITS 3-4**

Casio Classpad 400 Calculator : \$210 (approx.)

### **Units 1-2**

Textbook Hire: \$ 25

### **Units 3-4**

Textbook Hire: \$ 25

General and Further Mathematics focuses on using the techniques of discrete mathematics to solve problems in contexts that include financial modelling, network analysis, route & project planning, decision making, and discrete growth and decay. General and Further Mathematics provide an opportunity to analyse and solve a wide range of geometrical problems in areas such as measurement, scaling, triangulation and navigation. It also provides opportunities to develop systematic strategies based on the statistical investigation process for answering statistical questions that involve comparing groups, investigating associations and analysing time series.

## **FOUNDATION MATHEMATICS UNITS 1-2**

SCIENTIFIC CALCULATOR \$ 15 (APPROX)

Foundation Mathematics focuses on using mathematics effectively, efficiently and critically to make informed decisions in daily lives. The emphasis of Foundation Mathematics is to provide students with the mathematical knowledge, skills and understanding to solve problems in real contexts for a range of workplace, personal, further learning and community settings. This subject provides the opportunity for students to prepare for post-school options of employment and further training.

## **MATHEMATICAL METHODS FOR COMPUTER ALGEBRA SYSTEM (CAS) UNITS 1-4**

Wolfram Mathematica Software: Provided at no cost

### **Units 1-2**

Textbook Hire: \$ 25

### **Units 3-4**

Textbook Hire: \$ 25

Mathematical Methods focuses on the development of the use of calculus and statistical analysis. The study of Calculus in Mathematical Methods provides a basis for an understanding of the physical world involving rates of change and includes the use of functions, their derivatives and integrals, in modelling physical processes. The study of statistics in Mathematical Methods develops the ability to describe and analyse phenomena involving uncertainty and variation.



## **SPECIALIST MATHEMATICS UNITS 1 - 4**

Wolfram Mathematica Software: Provided at no cost

### **Units 1-2**

Textbook Hire: \$ 25

### **Units 3-4**

Textbook Hire: \$ 25

Specialist Mathematics is for students who are studying or have previously completed Mathematical Methods. Specialist Mathematics provides opportunities beyond those presented in Mathematical Methods, to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively. Specialist Mathematics contains topics in functions and calculus that build on and deepen the ideas presented in Mathematical Methods and demonstrate their application in many areas. Specialist Mathematics also extends understanding and knowledge of probability and statistics and introduces the topics of vectors, complex numbers, matrices and recursive methods.

**Please Note:** Mathematical Methods units 3&4 must be previously completed or studied concurrently with Specialist Mathematics.

## **SCIENCE**

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### **BIOLOGY UNITS 1-4**

#### **Course Description Units 1-2**

Textbook Hire: \$ 30

During this year students will focus on answering two main questions:

- How do living things stay alive?
- How is continuity of life maintained?

In these units students will learn about the basic structure of a cell, the different systems of plants and mammals, how humans keep a constant internal environment, food webs, the cell cycle, sexual and asexual reproduction, and genetics. For both units students will also be required to undertake large practical investigations on areas that interest them.

#### **Course Description Units 3-4**

Textbook Hire: \$ 30

Compulsory Excursions \$ 50 (approx.)

These units focus on biochemical processes that are Signatures of Life, and Continuity and Change, the molecular basis of inheritance and evidence for the evolution of life over time.

- Energy transformations, enzyme at work, coordinated endocrine and nervous system responses to environmental changes, disease-causing pathogens, immune responses, disorders of immune responses and 'acquired immunity' are studied.
- Forensic analysis, gene therapy and genetic modification of organisms, DNA and inheritance traits, and bioethics are also studied.
- The study of human evolution including biological and cultural aspects.

#### **The study of Biology may lead to**

- Employment as a marine biologist, laboratory technician, forensic scientist, dental assistant, nurse, doctor, pathologist, research scientist, biomedical scientist, pharmacist.
- Tertiary Studies: B Biomedical Science, B Science, B Nursing, B Medicine, Dip Laboratory Technology (Pathology Testing)

## **CHEMISTRY UNITS 1-4**

### **Course Description Units 1-2**

Textbook Hire: \$ 30

This course introduces the Periodic Table, scientific theory and the development of our understanding about the internal structure of the atom and its effects on the properties of materials. It then explores environmental chemistry through consideration of the chemistry of water and the gases of the atmosphere. Key questions that this course addresses are:

- What is metallic, ionic and covalent bonding?
- How does the structure of materials affect their properties?
- How can we respond to the effects of human activities on our environment and ways to minimise our global footprint?

### **Course Description Units 3-4**

Textbook Hire: \$ 30

These units focus on quality control and analytical techniques available to the analytical and forensic scientist.

- Techniques to analyse substances to determine their composition;
- Organic reaction pathways, biochemical fuels and the synthesis of chemicals.
- Factors that affect the rate and extent of chemical reactions and the application of chemistry in industry.

#### **The study of Chemistry may lead to**

- Employment in medical and health sciences, forensic science, industrial and environmental sciences.
- Tertiary Studies: B Science, Metallurgy, Chemical Engineering, Medicine, Food Technology and other related sciences.

## **ENVIRONMENTAL SCIENCE UNITS 1-4**

### **Course Description Units 1-2**

Workbook \$ 70 (approx.)

These units study what goes on in environments, and monitoring the health of ecosystems. The Earth undergoes continual change, and ecosystems are altered by natural or human-induced factors.

- What do we know about human induced environmental changes?
- What we can do about changes, e.g. algal bloom, water pollution, erosion or waste disposal?

### **Course Description Units 3-4**

Textbook Hire: \$ 20

These units examine ecological issues of energy and biodiversity and investigate ecological sustainability. Concepts associated with energy, and the uses of energy by human societies are considered.

- What do we know about energy efficiency? How does human energy use contribute to the enhanced greenhouse effect? What is the concept of biodiversity and the role of conservation?
- Can we apply environmental science to ecologically sustainable development and environmental management?

#### **The study of Environmental Science may lead to**

- Employment as an ecologist, park ranger, tree surgeon, aquaculture technician, zookeeper.
- Tertiary Studies: Associate Degree in Aquaculture, Diploma of Conservation and Land Management.

## **PHYSICS UNITS 1-4**

SCIENTIFIC CALCULATOR

\$ 15 (APPROX)

### **Course Description Units 1-2**

Textbook Hire: \$ 30

In unit 1 of physics students explore ideas that explain the physical world. This unit is focused on investigating three key questions through a combination of theory, research and hands on experimentation:

- How can thermal effects be explained?
- How do electric circuits work?
- What is matter and how is it formed?

In unit 2 students focus on how experiments allow us to understand the physical world. In the first topic students explore the motion of real world objects using concepts of forces and energy. Students then choose one of the following questions to investigate in more detail:

- What are stars?
- Is there life beyond Earth's Solar System?
- How do forces act on the human body?
- How can AC electricity charge a DC device?
- How do heavy things fly?
- How do fusion and fission compare as viable nuclear energy power sources?
- How is radiation used to maintain human health?
- How do particle accelerators work?
- How can human vision be enhanced?
- How do instruments make music?
- How can performance in ball sports be improved?
- How does the human body use electricity?

The unit concludes with a student designed practical investigation into an area of interest related to the physics concepts within the course.

### **Course Description Units 3-4**

A+ Physics Notes Hire: \$ 20

These units cover the core topics of Motion in one and two dimensions and Electronics and photonics in Unit 3, followed by Electric power and Interactions of light and matter in Unit 4. One detailed study is chosen from Materials and their use in structures, Einstein's special relativity, Further electronics, Sound, Synchrotron and Photonics.

### **The study of Physics may lead to**

- Employment as an audio-visual technician, automotive tradesperson, air traffic controller, engineer, physiotherapist, surveyor, games developer.
- Tertiary Studies: Bachelor of Engineering (Aerospace, Automotive, Civil, Communication, Electrical, Mechanical, Mechatronics, Robotics, Sustainable energy), Bachelor of Science (Geometrics, Nanotechnology, Physics, Radiology), Bachelor of Information Technology.

## **PSYCHOLOGY UNITS 1-4**

### **Course Description Units 1-2**

Textbook Hire: \$ 30

In Unit 1, students investigate the structure and functioning of the human brain and the role it plays in the overall functioning of the human nervous system. Students explore brain plasticity and how brain damage may effect a person's psychological functioning. Psychology development is studied, including situations where psychological development may not occur as expected. Students examine different theories that have contributed to our understanding of the human brain and its functions, and how we can use these theories to predict thoughts, feelings and behaviours.

In Unit 2 students investigate how a person's thoughts, feelings and behaviours are influenced by a variety of biological, psychological and social factors. They investigate how we perceive the world around us and how sometimes these perceptions can be distorted.

Students explore a variety of factors that can influence the behaviour of an individual and groups. They examine the contribution that classical and contemporary research has made to the understanding of human perception and why individuals and groups behave in specific ways.

### **Course Description Units 3-4**

Textbook Hire: \$ 30

In Unit 3, students explore the functioning of the nervous system and how it enables a person to interact with the world around them. They explore how stress may affect a person's psychological functioning and look at the causes and management of stress. Students investigate how memory and learning can lead to changed behaviour and new knowledge.

In Unit 4, students examine the nature of consciousness and how changes in levels of consciousness can affect mental processes and behaviour. They consider the role of sleep and the effect of sleep deprivation on a person's functioning. Students explore the concept of a mental health continuum and analyse the difference between mental health and mental disorder. Students study phobias to understand how the development and management of a mental disorder involves an interaction between biological, psychological and social factors. They examine the contribution that research has made to the understanding of consciousness, including sleep, and the development of an individual's mental functioning and wellbeing.

### **The study of psychology may lead to:**

- Employment as a personal assistant, fitness instructor, welfare/ youth worker, counsellor, child care centre manager, nursing, programs manager, psychologist, psychiatrist
- Tertiary studies: B Behavioural Science, B Social Science, B Business (Marketing), B Nursing

# TECHNOLOGY

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## **PRODUCT DESIGN AND TECHNOLOGY UNITS 1-4**

Subject Fee: \$ 60 per year

Textbook Hire: \$ 25 per year

### **Course Description Units 1-2**

These units introduce students to Design Modification and Production, and Collaborative Design.

- Students work with a range of materials to produce a product.
- Work is supported by a design folio showing all aspects of the production, from the design process, research, production, evaluation, marketing and promotion of a completed, desirable product.

### **Course Description Units 3-4**

These units extend work into Design, Technological Innovation and Manufacture, then Product Development, Evaluation and Promotion.

- What is the role of the designer? What is industrial product development?
- Students develop a product for a “client” and manage the full development of this item(s) from concept, to design, through production, evaluation, promotion and onto delivery.

### **The study of Product Design and Technology may lead to**

- Employment as a patternmaker, designer, teacher, craftsperson, artist
- Tertiary Studies: B Creative Arts Industries, B Business (Marketing)

## **FOOD AND TECHNOLOGY UNITS 1-4**

### **Course Description Units 1-2**

Subject Fee: \$250

Textbook Hire: \$ 30

These units look at the Properties, Science, Planning and Preparation of Food.

- Students are introduced to the diverse nature of food, how to prepare it and how to store it for the best quality in terms of safety, health and aesthetics.
- Understanding the science of foods when different preparation and processing techniques are used? What are the most suitable food preparation and cooking methods to optimise the sensory, physical and chemical properties of food?

### **Course Description Units 3-4**

Subject Fee: \$190

Textbook Hire: \$ 30

These units continue a study of Food Preparation, Processing and Food Controls, and Food Product Development and Emerging Trends, matching techniques to particular foods.

- Food processing techniques to prevent spoilage in industrial and domestic settings.
- From design brief to design plan: applied knowledge about key foods, properties of food, tools, equipment, cooking and preservation techniques suited to a given context.
- Safety in the kitchen is a priority throughout all Units of Food Technology.

### **The study of Food Technology may lead to**

- Employment as a cook, pastry cook, waiter, food technologist, nutritionist, chef
- Tertiary Studies: Bachelor of Food Science and Nutrition, Bachelor of Culinary Management

## **MATERIALS AND TECHNOLOGY UNITS 1-2**

### **Course Description Units 1-2**

Subject Fee: \$ 40

Textbook Hire: \$ 25

These units introduce Creative Technology with Textiles, through Technique Development and Design Development.

- Students will develop skills in a range of techniques, for example felting, fabric dyeing, embellishing, decorative finishes, quilting, stencilling, screen printing, machine stitched-computer assisted design and embroidery.
- A major project will be a journal of techniques learned and presented as a final 14 x14 cm finished item per technique.
- There is also an interest in creative design and production of a major creative project such as sculpture, clothing item as wearable art or other decorative piece.

### **The study of Materials and Technology may lead to**

- Employment as a clothing cutter, screen printer, surgical boot maker, upholsterer, interior decorator, fashion designer, visual arts/crafts teacher
- Tertiary Studies: Adv Dip Textile Design and Development, B Applied Science (Textile Technology)

## **COMPUTING UNITS 1 - 4**

### **Course Description Unit 1-2**

Subject Fee: \$ 30  
Textbook Hire: \$ 28 (approx.)

This subject is an introduction to the study of computing in the VCE. Students that undertake this study are preparing themselves to study Informatics and/or Software Development in the next year. Students will study 6 areas over the year including: Data and graphic solutions, Networks, Collaboration and Communication, Programming, Data analysis and visualisation and Data Management. By the end of this subject students will be able to design and understand the components and security requirements of a wireless network and use programming to access and manipulate data.

#### **Activities include:**

- Collect, interpret and manipulate data to create charts, flowcharts, diagrams, images, hierarchies, animations, maps and timelines.
- Investigate how wireless networks and their security vulnerabilities to create a design for a secure wireless network.
- Work in teams to create a website for a mobile device on an issue relating to the use of an Information System.
- Use an object-oriented programming language to create working software modules.
- Use software tools to access, select and manipulate data and create appropriate visual representations.
- Introduction to database and their use to search, sort and perform calculations on data.

### **Course Description Unit 3-4 Infomatics**

Subject Fee: \$ 30  
Textbook Hire: \$ 30 (approx.)

In this subject students will study a relational database management system and the way organisations acquire data using interactive online solutions such as websites and apps. Students will then take this knowledge to collect and manage data to create a multimodal online solution to confirm or refutes their own hypothesis.

- Design a solution, develop it using a relational database management system, and diagrammatically represent how users interact with an online solution when supplying data for a transaction.
- Compare and contrast the effectiveness of information management strategies used by two organisations to manage the storage and disposal of data and information, and recommend improvements to their current practice.
- Use a range of appropriate techniques and processes to acquire, prepare, manipulate and interpret complex data to confirm or refute a hypothesis, and formulate a project plan to manage progress.
- Design, develop and evaluate a multimodal online solution that confirms or refutes a hypothesis, and assess the effectiveness of the project plan in managing progress.

### **Course Description Unit 3-4 Software Development**

Subject Fee: \$ 30  
Textbook Hire: \$ 50 (approx.)

In this subject students develop a detailed understanding of the analysis, design, development, evaluation and a programming language to develop working software modules. Students then identify a need, creating a design and managing their own project to create a working software solution.

- Interpret design requirements and apply a range of functions and techniques using a programming language to develop working modules.
- Analyse and explain the dependencies between two information systems and evaluate the controls in place in one information system to protect the integrity of its source data.
- Analyse and document a need or opportunity, generate alternative design ideas, represent the preferred solution design and formulate a project plan for creating the solution.
- Apply stages of the problem-solving methodology to create a solution using a programming language that fulfils identified requirements and assess the effectiveness of the project plan in monitoring progress.

### **Course Description Unit 3-4 Algorithmics**

Subject Fee: \$ 30  
Textbook Hire: \$ 50 (approx.)

This subject examines how information about the world can be systematically represented and how the processes can be made sufficiently explicit and precise so they can be implemented in a computer program. Students cover systematic methods for analysing real-world problems and identifying significant aspects of the real world to model. It explores the design of algorithms, resulting in a powerful approach to manipulating and reasoning about structured information.

- Evaluate, test and document algorithms and data representations, and solve real-world problems whose solution requires the integration of multiple algorithm and data types.
- Devise formal representations for modelling various kinds of information problems, using appropriate abstract data types, and apply these to a real-world problem.
- Design an efficient algorithm to solve an information problem using basic algorithm design patterns, and implement and test the algorithm.
- Explain the scope of algorithmic as an approach to computational problem solving, and demonstrate the universality of computation and its limits using core concepts from theoretical computer science.
- Establish the correctness and efficiency of simple algorithms and explain soft limits of computability and how they might be overcome by heuristic methods and non-digital models of computation.
- Solve a variety of information problems using advanced algorithm design patterns.

#### **The study of Information Technology may lead to**

- Employment as an Computer Technician, Network Security Specialist, Computer Programmer, Database Administrator, Web Developer, Games Development, Project Management, Network Manager, Web Designer, Application Designer, Database Developer, Games Designer
- Tertiary Studies: Diploma of Information Technology, Bachelor of Information Technology, Computer Science, Computer Systems Engineering, Network/Security Engineering, Games Development, Multimedia, Art and Design



## **SYSTEMS ENGINEERING UNITS 1 - 4**

Subject Fee:	\$150
Textbook Hire:	\$ 25 per year

This subject is ideal for any student wishing to peruse an engineering pathway or enjoys tinkering, investigating and pulling things apart to see how they work. Students will learn how electrical and mechanical systems combined to create integrated systems. Students will have the opportunity to learn CAD, use 3D printers, laser cutter and basic tools to build their projects.

### **Course Description Units 1-2**

In these units students will build several projects including a simple machine, an electrical system and an integrated system containing a microcontroller. Practical work is supported with a folio containing design, production, testing and evaluating diagrams, data, notes and conclusions.

- What are mechanical systems and devices?
- What about electrical and electronic circuits and devices?
- How do we evaluate technological systems, operation, function and environment?

### **Course Description Units 3-4**

Subject Fee:	\$75
Textbook Hire:	\$ 25 per year

These units focus on Systems Engineering and Energy, and also Integrated and Control Systems Engineering. Students will take their knowledge of electrical, mechanical, open and closed loop systems to design and build their own integrated system and portfolio.

- One substantial production is undertaken. A complex “product”, containing both electrical/electronic and mechanical components, will demonstrate knowledge of planning, design, hand skills, component identification, testing procedures and safe work practices.

### **RRAMP (Regional Robotics, Automation and Mechatronics Program)**

VCE Systems Engineering students will have an opportunity to learn about the 3D drafting of objects and manufacture parts using a plastic based 3D printer. Students will also be given the opportunity to build and program the Arduino microcontroller currently taught at University level. The combination of 3D drafting/printing and programming will allow students to design various robotics and automated systems. The program is in partnership with The Department of Electronic Engineering, La Trobe University and Quantum Victoria. The program will allow students to work closely with University staff and utilize University resources. Upon the completion of the program students will be given certificates which will provide them with a higher standing when applying to La Trobe University for Electronics Engineering, Robotics and Mechatronics Engineering degrees.

### **The study of Systems Engineering may lead to**

- Employment as a store person, CAD designer, machinist, CNC operator, safety inspector, designer, electrical engineer, mechanical engineer, robotics engineer, aerospace engineer
- Tertiary Studies: Diploma Electrical Technology, Diploma of Mechanical Engineering, Bachelor of Electrical Engineering, Bachelor of Mechanical Engineering, Bachelor of Mechatronics Engineering, Bachelor of Aerospace Engineering.

# VET COURSES – VOCATIONAL EDUCATION AND TRAINING

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## What is VET?

Vocational Education and Training programs in schools are nationally accredited training courses, which count as VCE Studies or form part of a VCAL program. On-the-job training at workplaces or structured workplace learning is an important part of the delivery for many of the courses. Like similar programs across Australia, it expands the range of courses and learning situations available to senior students, while at the same time maintaining choices for further study.

## What are the Advantages of Doing a VET Course?

- If you decide to enter the workforce you will have a better chance of finding employment.
- If you decide to go to TAFE you have advanced standing for higher level courses.
- If you decide to go to University, in most cases the vocational education units contribute to your ATAR score.

## How Does VET Affect VCE Units and ATAR?

Most courses count as a full VCE sequence, i.e. Units 1–4. VET courses with a Unit 3-4 sequence and a final exam contribute directly to the calculation of the Australian Tertiary Admissions Ranking (ATAR). See individual programs for details.

**How Does VET Affect VCAL?** A VET subject is compulsory for the completion of a VCAL certificate.

## VET Fees and Costs

There are additional costs in running a VET course such as purchasing the specialist services of TAFE and other training providers, workbooks, class materials and equipment, first aid courses and excursions. Students are required to make a contribution toward these costs. Please refer to the booklist for details.

## VET Course Reviews

VET courses are regularly reviewed and amended to keep up to date with industry and training requirements. Every effort has been made to ensure that the information supplied is accurate at the time of printing. Any subsequent changes to courses will be notified as soon as the information becomes available.

## Course Duration

Most VET courses are undertaken over 2 years, except for Circus Training, Community Services, Logistics, Music (introduction to performance) and Retail which are a one year program. Students who do not complete the full course, are eligible to receive a statement of attainment for the units of competence they have successfully completed and credit into VCE/VCAL on a pro rata basis.

**Course Sequence:** To gain credit in the VCE, students must complete the first year of the VET course (unit 1/2 level) before undertaking the 3/4 unit.

**Is a third year of a particular subject area possible?** For students who have completed two years of a VET subject in Year 10 and 11, it may be possible to complete a third year in Year 12. This would involve the completion of additional VET units in that study area. The units would be selected from Certificate II or III level of the study area. The completion of those units could give credit towards an apprenticeship.

VET courses to be offered in 2016 will be VET – Motorsports, Automotive, Engineering and Furniture Making. With sufficient student interest this may be offered in other VET subjects as well.

**Community Services Certificate II in 2016:** All Year 10 students desiring to study in the Allied Health and/or Child Care Industry are required to complete Certificate II in Community Services in 2016. On successful completion students are encouraged to select Allied Health and or Children’s Services in 2017.

## VET COURSES 2016

VET Qualification	VCE Units	ATAR score	Work placement Requirements	Other Information
<b>Allied Health Assistance</b> HLT32407 Certificate III in Allied Health Assistance. <b>Year 11 &amp; 12 students only</b> <b>RTO RIVERINA TAFE</b>	Two 3 - 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	In term 3 for one week	Costs: Refer to course descriptor and Subject Fees. First Aid Level 2
<b>Animal Studies -</b> ACM20110 Certificate II in Animal Studies <b>RTO GOULBURN OVENS TAFE</b>	1-4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	Work placement of one week in both years	Costs: Refer to course descriptor and Subject Fees.
<b>Applied Fashion Design Technology –</b> LMT210707 Certificate II in Applied Fashion Design Technology <b>RTO WODONGA TAFE</b>	1 - 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Automotive Technology</b> 22015VIC – Certificate II in Automotive Technology Studies (Prevocational) <b>RTO WODONGA TAFE</b>	1 - 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Beauty -</b> SIB20110 Certificate II in Retail Make-up Services <b>RTO A.I.E.T.</b>	1 -2 Only		Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Building &amp; Construction</b> Statement of Attainment - Carpentry Pre-apprenticeship 21844VIC – Certificate II in Building and Construction (Carpentry Stream) <b>RTO WODONGA TAFE</b>	1 - 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	Optional	Costs: Refer to course descriptor and Subject Fees. Timber cost. Safety Induction Training and First Aid Level 2.
<b>Business Administration</b> BSB20112 – Certificate II in Business Administration and Statement of Attainment BSB30407- Certificate III in Business Administration <b>RTO WODONGA TAFE</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	5 days each year	Costs: Refer to course descriptor and Subject Fees.
<b>Children's Services</b> CHC30113 Certificate III in Early Childhood Education and Care – <b>Year 11 &amp; 12 students only</b> <b>RTO RIVERINA TAFE</b>	1 - 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	Work placement in term three for two weeks	Costs: Refer to course descriptor and Subject Fees. First Aid Level 2
<b>Circus Training</b> 22073VIC Certificate III in Circus Arts <b>Year 11 and 12 students only</b> <b>RTO Swinburne University</b>	1 - 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	To be completed in conjunction with circus training.	Costs: Refer to course descriptor and Subject Fees.
<b>Community Services</b> CHC20112 Certificate II in Community Services <b>YEAR 10 ONLY</b> <b>RTO RIVERINA TAFE</b>	1 - 2		Optional	Costs: Refer to course descriptor and Subject Fees. First Aid Level 2.
<b>Dance</b> CUA20113 – Certificate II in Dance Option for Cert III in Year 12 if a student has completed Cert II <b>RTO DANCE FACTORY</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	Optional	Costs: Refer to course descriptor and Subject Fees

<b>Desktop Publishing - ICP20115</b> Certificate II in Printing and Graphic Arts (Desktop Publishing) <b>RTO WODONGA TAFE</b>	1 - 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	10 days each year	Costs: Refer to course descriptor and Subject Fees.
<b>Electrical Industry Program – 22261</b> Certificate II in Electrotechnology (pre-vocational)	1 – 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	Optional	Costs: refer to course descriptor and Subject Fees.
<b>Engineering Studies</b> 22209VIC – Certificate II in Engineering Studies <b>RTO WODONGA TAFE</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Furniture Making</b> MSF20313 – Certificate II in Furniture Making (Cabinet Making) Statement of Attainment. <b>RTO WODONGA TAFE</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	Optional	Costs: Refer to course descriptor and Subject Fees. Timber cost. Safety Induction Training and First Aid Level 2.
<b>Hairdressing</b> SIH20111 Certificate II in Hairdressing <b>RTO A.I.E.T.</b>	1 – 2 Only		Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Hospitality</b> In first year SIT31013 Certificate III in Catering Operations. In second year Statement of attainment toward Certificate III in Hospitality (Kitchen Operations) <b>Both Commercial Cookery and Food &amp; Beverage</b> streams offered in 2016 for second year students <b>RTO RIVERINA TAFE</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	At least 10 days plus catering for functions in Units ½. Students will also be involved with catering outside of school hours and operate the school restaurant “Pepper”.	Costs: Refer to course descriptor and Subject Fees. Additional cost for food students prepare and consume.
<b>Indonesian</b> 81029ACT Certificate III in Indonesian <b>RTO VSL</b>	1 – 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	Optional	Costs: Refer to course descriptor.
<b>Information Technology Networking</b> ICA 30115 Certificate III in Information, Digital, Media & Technology (partial completion) <b>RTO RIVERINA TAFE</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Integrated Technologies (Electro-technology) – 22071</b> VIC Certificate II in Integrated Technologies <b>RTO RIVERINA TAFE</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Laboratory Skills - MSL30109</b> Certificate III in Laboratory Skills <b>RTO WODONGA TAFE</b>	1 - 4	Can count as 5 <sup>th</sup> and/or 6 <sup>th</sup> subject i.e. 10% average of primary four subjects.	Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Logistics</b> TLI21610 Certificate II in Warehousing Operations <b>RTO WODONGA TAFE</b>	1-2 Only		Optional	Costs: Refer to course descriptor and Subject Fees.

<b>Multimedia</b> <b>RTO A.I.E.T.</b> CUF20107 Certificate II in Creative Industries (Media) and CUF30107 Certificate III in Media <b>RTO RIVERINA TAFE</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Music Industry (Technical Production) -</b> CUS30209 Certificate III <b>RTO COLLARTS</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	Optional	Costs: Refer to course descriptor and Subject Fees.
<b>Music</b> CUS20109 Certificate II in Music <b>RTO COLLARTS</b>	1-2 Only		Students will need to rehearse and practice in their own time	Costs: Refer to course descriptor and Subject Fees.
<b>Retail Operations</b> Statement of Attainment – SIR20212 Certificate II in Retail Services <b>RTO WODONGA TAFE</b>	1-2 Only		Approx. 25 days - one afternoon per week plus one week block	Costs: Refer to course descriptor and Subject Fees.
<b>Sport &amp; Recreation</b> SIS20310 Certificate II Sport & Recreation (First Year) and SIS30512 Certificate III in Second Year. Three areas of study. AFL/Soccer/General <b>RTO RIVERINA TAFE</b>	1 - 4	Scored Assessed Subject with external exam. Can count as one of a primary four subject.	80 hours over two years of course.	Costs: Refer to course descriptor and Subject Fees.

## **ALLIED HEALTH – Certificate III**

### **Year 11 and 12 students only (see details for Certificate II in Community Services)**

Subject Fee: \$ 40 per year  
First Aid – Level 2 \$ 75

#### **VET QUALIFICATION**

Students who complete units of study are entitled to a Certificate III in HLT32407 Allied Health Assistance.

#### **Course Aims**

Allied Health engages young people in the diverse options available in community health environment. Allied Health assistance is an emerging and growing career option in both public and private practice.

#### **Some Units in the Course**

1. Use basic medical terminology
2. First Aid Level Two
3. Support the care of patients
4. Recognise healthy body systems in a health care context

#### **Pathways**

The program may lead to further Qualifications in the Health Services Industry such as Certificate IV in Allied Health Assistance and Industry employment opportunities such as Therapy Assistant, Podiatry Assistant and Physiotherapy Assistant.

## **ANIMAL STUDIES – Certificate II**

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All First Year Students are required to complete Certificate I in Animal Studies in the First Term over one weekend at Wangaratta Animal Studies Centre at a cost of \$200.

Subject Fee: \$260 per year additional to the above

### **VET QUALIFICATION**

Students who successfully complete the two years of the course are eligible for in ACM20110 Certificate II in Animal Studies.

### **Course Description**

The Certificate II in Animal Studies course is a prevocational course designed to provide general theoretical training in animal care, leading to career opportunities in the animal care industry and provides a foundational knowledge for related studies.

### **Some Units in the Course**

1. Monitor and maintain health of companion animals.
2. Provide basic first aid for animals.
3. Assist with food preparation.
4. Assist with general animal care.
5. Work in the animal care industry.

### **Pathways**

Completion in this course will give direct credits into Certificate III in Companion Animal Services and Certificate IV in Veterinary Nursing. Work in Animal Boarding, Grooming and Pet Retail, Animal Shelters and Animal Technology.

## **APPLIED FASHION DESIGN TECHNOLOGY – Certificate II**

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Subject Fee: \$ 80 per year

### **VET QUALIFICATION**

Students who successfully complete the two years of the course are eligible for the award of LMT210707 Certificate II in Applied Fashion design Technology.

### **Course Description**

This two year course aims to provide students with an introductory overview of fashion design.

### **Some Units in the Course**

1. Apply quality standards
2. Use a sewing machine
3. Design and produce a simple garment
4. Identify fibres and fabrics
5. Identify design process for fashion designs

### **Pathways**

Employment: This program provides entry level training for working in the fashion/clothing industry in a manufacturing organisation, a small business or in self-employment.

## **AUTOMOTIVE - Certificate II**

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Subject Fee:	\$ 90 per year
Module Workbooks:	\$ 80 per year

### **VET Qualification**

Students who successfully complete the two years of the course are eligible for the award of 22015VIC - Certificate II in Automotive Technology Studies.

### **Course Description**

Students who chose Certificate II in Automotive Technology Studies 21560VIC will gain a basic knowledge of diagnostics and repairs in the schools well equipped workshop. Some topics covered in this course include electrical and cooling systems, cylinder head and engine reconditioning, driveline/transmission, fuel systems, steering, suspension and tyre fitting.

### **Some of Units in the Course Are**

1. Fuel Systems
2. Clutch Assembly
3. Dismantle and assemble engines.
4. Steering Systems

### **Pathways:**

- Employment: This program provides background knowledge and skills associated with employment in the automotive industry, e.g. motor mechanic, diesel mechanic, and panel beating.
- Tertiary Studies: This program will qualify students with the Victorian TAFE level Certificate II in Automotive as well as the full VCE qualification. Students with these qualifications who gain an apprenticeship in the automotive area may have credits towards their apprenticeship qualifications.
- Direct credit in the Diploma of Motor Sports at Wodonga TAFE for units completed.

**Motorsports:** Selected Extension Units (4) in Cert III in Motorsports will be offered to Year 12 students who have completed Cert II in Automotive or Extension Units from the current Automotive course.

## **BEAUTY - Certificate II in Retail Make-up Services**

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Subject Fee/Beauty Kit:	\$150 per year
Module Workbooks:	\$ 50 per year

### **VET QUALIFICATION**

Students who successfully complete the two years of the course are eligible for the award of SIB20110 Certificate II in Make-up Services and Skin Care. Both first and second year VET Make-up Services earn level 1/2 units in the V.C.E.

### **Course Description**

Certificate II in Retail Make-up Services has been designed as a standard entry level qualification for the Beauty Industry. It applies to those wishing to develop the skills and knowledge to begin a career in the Beauty Industry

### **Some Units in the Course Are**

1. Design and apply make-up.
2. Apply skin care products.
3. Communication Skills.
4. Sell products and services.
5. Lash and Brow Treatments.
6. Manicure/Pedicure.

### **Pathways**

Employment as a Trainee Beauty Therapist, Salon Manager, Retail Sales Assistant. Certificate III in Beauty and Certificate IV in Beauty Therapy. Diploma of Beauty, Diploma of Salon Management.

## **BUILDING AND CONSTRUCTION - (Carpentry) Part of Certificate II**

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Subject Fee:		\$45 per year		
Module Workbooks:		\$45 per year		
First aid – Level 2		\$75		
White Card – OHS Induction		\$75		
Project	<b>1<sup>st</sup> Year</b>	\$60	<b>2<sup>nd</sup> Year</b>	\$40

### **VET QUALIFICATION**

Students who successfully complete the two years of the course are eligible for:

- Approximately two-thirds of the pre-apprenticeship 22216VIC - Certificate II in Building and Construction (Carpentry stream). A Statement of Attainment is awarded which details the modules completed.

### **Course Description**

This two year course aims to provide the knowledge and skills required to assist in gaining employment within the building and construction industry.

### **Some Units in the Course Are**

1. Workplace safety and environmental procedures 3. Communications for the building industry 4.Safe handling of power tools 5. Floor and wall framing

### **Pathways**

- Employment: This program provides background knowledge and skills associated with entry level employment in the building and construction industry.
- Tertiary Studies: This program will provide credit for approximately two-thirds of the Victorian pre-apprenticeship certificate in the respective streams.

## **BUSINESS (Office) ADMINISTRATION - Certificate II and Part of Certificate III**

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Subject Fee:	\$30 per year
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### **VET Qualification**

Students who successfully complete the two years of the course are eligible for:

- The award of BSB20112 Certificate II in Business Administration and Statement of Attainment part of BSB30412
- The award of a statement of attainment documenting units of competence achieved that can contribute toward Certificate III in Business Administration

### **Course Description**

This two year course aims to provide the knowledge and skills required:

- To assist in gaining employment in the clerical-administrative fields
- To foster the development of social and personal skills relevant to dealing with the public

### **Some Units in The Course Are**

1.Participate in workplace safety procedures 2. Communicate in the workplace 3. Handle mail  
4. Prepare and process financial/business documents 5. Use business technology

### **Pathways**

- Tertiary Studies: This program will provide advanced standing into Certificate III. Further Studies can lead to the achievement of a Diploma or Graduate Diploma degrees. Employment can be found in the clerical-administration field. E.g. Office assistant, receptionist, secretary.



## **CHILDREN'S SERVICES – Certificate III**

### **Year 11 and 12 students only**

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Subject Fee:	<b>1<sup>st</sup> Year</b>	\$100	<b>2<sup>nd</sup> Year</b>	\$ 40
First Aid:		\$ 75		
Text Book Purchase		\$ 60		

#### **VET QUALIFICATION**

Students who complete units of study are eligible for the award of CHC30113 Certificate III in Early Childhood Education and Care.

#### **Course Description**

This two year course aims to provide the knowledge and skills required to assist in gaining employment within the child care industry.

#### **Some Units in the Course**

1. Provide Care for Children 2. Support the development of children 3. Interact effectively with children 4. Provide Experiences to support children's play and learning

#### **Pathways**

Employment as a child care worker, playgroup supervisor, nanny, family day-care provider. The qualification gives credits into Diploma Studies and the Bachelor of Education.

## **CIRCUS TRAINING- Certificate III**

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Subject Fee:	\$ 15
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#### **VET Qualification**

Certificate III in Circus Arts. Course code: 10110NAT

This course is available to year 11 and 12 students who are members of the Flying Fruit Fly Circus.

#### **Course Description**

- To provide specific skills and knowledge required for fitness instructors in circus training and performance at a basic level. The functions of a person with this qualification may also include assistance with the conduct of recreation activities and events, facility maintenance and general workplace operations.
- Increase awareness of the scope of employment in Circus Training and the Sport and Recreation Industry.
- Develop specific skills and knowledge to assist more qualified circus trainers.

#### **Some Units in the Course**

1. Perform basic aerial skills 2. Perform basic on ground acrobatic Skills 3. Develop fitness for performance of basic circus skills 4. Apply basic circus skills in performance

#### **Pathways**

- Tertiary Studies: This program will qualify students with the TAFE Level Certificate III in Circus Arts as well as VCE unit 1 – 4 qualification. Students who successfully complete the program have credit towards higher level Certificates. The program provides a firm foundation of theory and practice to assist with future diploma or degree course in the circus area.

## **COMMUNITY SERVICES – Certificate II YEAR 10 STUDENTS ONLY**

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Subject Fee:	\$ 40
First Aid	\$ 75

### **VET Qualification**

Students who successfully complete the one year of the course are eligible for the award of CHC20113 Certificate II in Community Services Work.

### **Course Description**

This one year course provides entry-level training for the community work sector in the human services industry and is a prerequisite to studying Allied Health and Children's Services at WSSC.

### **Some Units in the Course**

1. Prepare for work in the Community Services Industry 2. Deliver service to clients. Respond effectively to difficult or challenging behaviour.

### **Pathways**

This program may provide an appropriate pathway into higher level qualifications, such as aged care, disability, youth work and home and community care.

## **DANCE – Certificate II & III**

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Subject Fee:	\$ 40 per year
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### **VET Qualification**

Students who successfully complete the two years of the course are eligible for the award of CUA20111 Certificate II in Dance and can progress to a Certificate III in Year 12.

### **Course Description**

The course equips the student with information relevant to recent industry knowledge regarding safe dance, occupational health and career transition options. It will enhance skills in dance techniques as well as provide theoretical knowledge and skills to equip students to work in a variety of areas of the entertainment industry.

### **Experience in Dance**

The course is designed for students who have some experience in dance. It is highly recommended that students attend dance classes at local dance studios outside of school hours in addition to the VET classes.

### **Pathways**

This course provides a foundation for developing careers in dance and the entertainment industry in a range of areas including performance, teaching and stage management. The course can also be a stepping stone to careers in the health and fitness industries e.g. aerobics instruction, dance therapy, personal training. Certificate II in Dance articulates with some Certificate III and IV courses.

## **DESKTOP PUBLISHING - Certificate II**

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Subject Fee: \$ 40 per year

### **VET Qualification**

Students who successfully complete the two years of the course are eligible for the award of:

- ICP20205 Certificate II in Graphic Arts (Desktop Publishing).

### **Course Description**

This two year course aims to provide participants with the knowledge and skills to achieve units of competence that will enhance their employment prospects in the Printing and Graphic Arts industries.

### **Some Units in the Course**

1. Develop a Basic Design Concept 2. Proof images 3. Electronically combine and assemble data.

### **Pathways**

- Employment: This course provides a foundation for developing careers in printing and graphic arts.
- Tertiary Studies: The Certificate II in Desktop Publishing provides a pathway into Certificate III and IV qualifications in Printing and Graphic Arts.

## **ELECTRICAL INDUSTRY PROGRAM – Certificate II in Electrotechnology (pre-vocational)**

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Subject Fee:	\$ TBA
White Card – OHS Induction	\$ 75
First Aid – Level 2	\$ 75

### **VET Qualification**

Students who successfully complete the two years of the course are eligible for the award of:

- 22261VIC Certificate II in Electrical Studies (pre-vocational).

### **Course Description**

This two year course aims to provide knowledge and skills that will enhance employment in the electrical or related industries.

### **Some Units in the Course**

1. Use of equipment in an energy sector environment 2. Solve problems in DC circuits 3. Repair basic electronic apparatus faults by replacement of components.

### **Pathways**

TAFE – Certificate III in the Electrical field and/or Apprenticeship.

## **ENGINEERING – Certificate II**

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Subject Fee:	\$ 70 per year
Module Workbook:	\$ 30 per year

### **VET Qualification**

Students who successfully complete the two year course are eligible for the award of:

- 22209VIC – Certificate II in Engineering Studies which count towards their VCE/ATAR score as a 1 – 4 sequence.

### **Course Description**

This two year course aims to provide the skills, knowledge and attitudes to perform entry level roles across the four main areas of engineering- fabrication, electrical, production and mechanical.

### **Some Units in The Course**

1. Welding and thermal cutting 2. Engineering drawing 3. Basic fabrication techniques 4. Hand & power tools

### **Pathways**

- Employment: Entry to trade apprenticeships e.g. fitting and machining, boilermaker, metal fabrication, plumbing. Employment as a trade's assistant, process worker in the metals manufacturing industry, or production worker.
- Tertiary Studies: Certificate III, Advanced Diploma or Associate Diploma or Degree in areas such as mechanical, civil, electrical, air conditioning, computer aided drafting, metallurgy.

## **FURNITURE MAKING - Certificate II**

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Subject Fee:		\$ 45 per year		
Module Workbook:		\$ 45 per year		
Project	<b>1<sup>st</sup> Year</b>	\$ 60	<b>2<sup>nd</sup> Year</b>	\$150
First Aid – Level 2		\$ 75		
White Card – OHS Induction		\$ 75		

### **VET Qualification**

Students who successfully complete the two year program are eligible for the award of:

- LMF20309 Certificate II in Furniture Making (Cabinet Making).

### **Course Description**

This two year course aims to provide specific skills and knowledge to gain employment in the cabinet making field of the furnishing industry.

### **Some Units in the Course Are**

1. Follow safe working policies and practices 2. Join solid timber 3. Use hand and power tools  
4. Construct furniture using leg and rail method 5. Follow plans to assemble production furniture

### **Pathways**

- Employment: Successful completion of the course will enable a student to enter a Cabinet Making apprenticeship with advanced standing.
- Tertiary Studies: Students may enrol in a pre-apprenticeship course and gain credit for the modules already completed. Some credit can also be achieved towards the Certificate III in Wood Machining, Furniture Polishing and Upholstery.

## HAIRDRESSING – Certificate II

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Subject Fee:	\$150 per year
Module Workbook:	\$ 50 1 <sup>st</sup> year only

### VET Qualification

Students who successfully complete this two year course are eligible for the award of SIH20111 Certificate II in Hairdressing. Both first and second year VET Hairdressing earn level 1/2 units in the V.C.E.

### Course Description

This two year course aims to provide an introduction to the Hair and Beauty industry. The second year of this course is for students who want to gain employment in a hairdressing industry.

### Hairdressing: – Salon Skills

Students will: gain an overview of the hairdressing industry and understanding of how to perform a range of Hairdressing tasks such as: Perform basic application of hair colour and removal, perform basin skills, dry hair to shape and massage techniques.

### Pathways

Employment: hairdressing apprenticeship, salon assistant, Certificate III and IV in Hairdressing.

## HOSPITALITY - Certificate II

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Subject Fee:	<b>1<sup>st</sup> Year</b>	\$200 (Includes Hat and Apron)
Food and Beverage	<b>2<sup>nd</sup> Year</b>	\$250 (Includes RSA)
Commercial Cookery	<b>2<sup>nd</sup> Year</b>	\$250

### VET Qualification

Students who successfully complete first year are awarded SIT31013 Certificate II Catering Operations. Students who successfully complete second year are awarded a statement of attainment that contribute towards SIT20307 Certificate III in Hospitality (Kitchen Operations). Third year students are able to complete 3 Units from SIT Certificate III in hospitality – Commercial Cookery.

### Course Description

This two year program aims to provide access to a range of potential career paths within the hospitality industry.

### First Year Some Units in The Course

1. Use basic methods of cookery 2. Use basic methods of cookery 3. Use basic methods of cookery

### **Second Year: Food & Beverage - Stream One      Second Year: Commercial Cookery – Stream Two**

Prepare and serve non-alcoholic drinks

Prepare appetizers and salads

Provide Responsible Service of Alcohol

Prepare stocks, sauces and soups

### The College Restaurant in Second Year – “Pepper”

Students Studying Food and Beverage or Commercial Cookery are required to undertake at several nights of on the job training in the college restaurant.

### Pathways

Employment: This program provides background knowledge and skills associated with employment in the hospitality industry.

Tertiary Studies: This program will give students credit towards Certificate IV in Hospitality.

## **INDONESIAN - Certificate III**

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Subject Fee:

\$ 50

### **VET Qualification**

Students who successfully complete this one year of the course are eligible for the award of 81030ACT Certificate III in Indonesian.

### **Course Description**

This nationally recognised course teaches you practical communication skills, both spoken and written for work, business, trade and social situations. There is also an emphasis on the close relationship between language and culture.

### **Pathways**

Indonesian language skills can be an advantage in the tourism and hospitality industries, government departments, community services, health, and in business and industry.

## **INFORMATION TECHNOLOGY NETWORKING - Certificate III**

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Subject Fee:

\$ 90 per year

### **VET Qualification**

Students who successfully complete the four semesters of the course are eligible for partial completion of the course; ICA30115 Certificate III in Information, Digital Media & Technology. To gain the complete qualification, extra Units are offered in the normal school curriculum.

### **VCE Qualification**

Students who complete ICA30115 Certificate III in Information, Digital Media and Technology (partial completion) will be eligible for up to two units of credit at Units 1 and 2 level, and a Units 3 and 4 sequence. Scored assessment will be based on the Units 3 and 4 sequence of Program 2, partial completion of ICA 30115 Certificate III in information and Communications Technology.

### **Course Description**

The four semester program is designed to provide students with the knowledge and skills to achieve competencies which will enhance their employment prospects in Information and Communication Technology and related industries, such as Network Administration.

### **Some Units in the Course**

1. Install & optimise network operating systems  
2. Run standard diagnostic tests  
3. Provide basic system administration

**Pathways** Employment: The program provides skills and experience for entry level employment in the Information Technology industry. Tertiary Studies: This program provides a solid foundation of theory and practice for further study at Certificate IV, Diploma or industry certified curricula such as MCSE courses.

## **INTEGRATED TECHNOLOGIES (ELECTROTECHNOLOGY) – Certificate II**

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Subject Fee:

\$ 80 per year

### **VET Qualification**

Students who successfully complete the two year course are eligible for the award of 22071VIC – Certificate II in Integrated Technologies (Shared Technology).

### **Course Description**

This two year course aims to provide participants with broad based knowledge and skills in a range of electrotechnology fields. Enhance prospects of entry level employment into the electro-technology field.

### **Project Based Approach**

The course integrates a project based approach and workbook exercises. Students produce a number of projects over the two years of the course. The projects incorporate elective units from at least two different specialisations.

The specialisations are: 1. Energy generation 2. Robotics and Embedded Controllers

### **Some Units in the Course**

1. Install and test a home entertainment system 2. Build a small wireless LAN 3. Assemble and connect an extra low voltage battery power source 4. Construct and configure a basic robotic system.

**Pathways:** Employment in the electronics and information communications industries.

## **LABORATORY SKILLS – Certificate III**

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Subject Fee:

\$ 60 per year

### **VET Qualification**

The course is structured in 4 Semester Units which relate to a theme. Students receive a Statement of Attainment for the units they complete. Students who successfully complete the 4 Semesters are eligible for the award of PML30104 Certificate III in Laboratory Skills.

### **Course Description**

This certificate provides the opportunity to investigate, collect and analyse data about topics of pressing importance to our local community. At the same time participants develop hands-on laboratory skills.

### **Project Based Approach**

Students will be involved with projects which will involve fieldwork and laboratory work.

**Pathways** Employment: This program provides background knowledge and skills associated with employment in a laboratory – Tertiary Studies – The program provides a firm foundation of theory and practice to assist with future diploma or degree course in the science.

## **LOGISTICS – Certificate II**

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Subject Fee:	\$ 70
Resource Cost:	\$ 70

### **VET Qualification**

Students who successfully complete this one year course are eligible for a TLI21610 Certificate II in Warehousing Operations.

### **Course Description**

This course aims to provide participants with the skills and knowledge to gain employment in the rapidly expanding transport and logistics industry.

### **Some Units in The Course**

1. Operate forklift 2. Apply customer service skills 3. Participate in Workplace Communication

### **Pathways**

Employment: This program provides background knowledge and skills for entry-level employment in the logistics industry.

## **MULTIMEDIA (Creative Industries / Media) - Certificates II and III**

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Subject Fee:	\$ 40 per year
Student Folio	\$ 45 per year

### **VET Qualification**

Students who successfully complete one year of the program are eligible for the award of: CUF20107 Certificate II in Creative Industries (Media). Students who successfully complete two years of the program are eligible for the award of CUF30107 Certificate III in Media.

### **Course Outline**

The Multimedia course is based on obtaining skills to use appropriate software and hardware to produce multimedia products incorporating photographs, film, text, sound, graphics, animation and web pages.

### **Project Based Approach**

The course integrates a project based approach and workbook exercises. Over the two years students have the opportunity to produce digital videos, web sites, photographic montages, flash animations and graphic designs. In these contexts students will learn to use the following software:

1. Adobe Creative Suite 2. Microsoft Office Suite 3. 3D Software.

### **Pathways**

- Employment: This program provides background knowledge and skills associated with employment in the multi-media industry. This includes TV stations, graphic design studios, printers, IT vendors, internet service providers, companies which develop and update websites, animation studios and game developers.
- Tertiary Studies: The multimedia certificates articulate directly into other national qualifications in the film, TV, and radio training packages.



## **MUSIC INDUSTRY (Technical Production) – Certificate III**

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Subject Fee:	\$ 56 per year
Module Workbook	\$ 60 per year

### **VET Qualification**

Students who successfully complete the two years of the course are eligible for the award of CUS30209 Certificate III in Music Industry (Technical Production).

### **Course Description**

This two year course aims to provide students with the skills to maximize their success as artists, technicians or business operators in the music industry. This training program is based on contemporary music that young people enjoy and is driven by the music industry.

### **Some Units in the Course**

1. Develop and update Music Industry knowledge
2. Install, align and test sound equipment
3. Plan, prepare and perform for a demo recording
4. Edit sound using digital systems.

### **Pathways**

- Employment: This program provides background knowledge and skills associated with employment and self-employment in the music industry.
- Tertiary Studies: This program will qualify students with the TAFE level Certificate III in Music Industry Skills as well as the full VCE qualification. Attainment of these awards can lead a student through to degrees and diplomas in Performance, Business and Technology at the tertiary level. Some universities and TAFE institutions are now offering 18 customised courses.

## **MUSIC INTRODUCTION TO PERFORMANCE – Certificate II**

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Subject Fee:	\$ 56 per year
Module Workbook	\$ 60 per year

### **VET Qualification**

Students who successfully complete the 10 units of competence of this one year course are eligible for the award of CUS20101 Certificate II in Music Industry (Foundation).

### **Course Description**

This one year course aims to provide a foundation for students who wish to explore and develop their skills in Music Performance. No previous experience is required, but to successfully complete the course students will need to be prepared to rehearse and practice in their own time.

### **Some Units in the Course**

1. Develop and update Music Industry knowledge
2. Develop music knowledge and listening skills
3. Develop technical skills for playing or singing Music
4. Work with others

### **Pathways**

Further studies in Music – e.g. VCE Music, VET Certificate III in Music Performance or Technical Production

## **RETAIL OPERATIONS - Part of Certificate II**

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Subject Fee:

\$ 40

### **VET Qualification**

Students who successfully complete the course are eligible for a statement of attainment SIR20207 - Certificate II in Retail Operations. This qualification is widely used in retail traineeships.

### **Course Description**

This one year course provides an understanding of the retail industry and allows students to develop practical skills through on the job training at local workplaces.

### **Some Units in The Course**

1. Communicate in the workplace 2. Interact with customers 3. Operate retail equipment

### **Pathways**

Employment in the retail industry. Tertiary Studies: Students completing the course will gain credit towards Certificate II in Retail Operations and have advanced standing in a retail traineeship. Further study options are available at TAFE and University in areas such as retail, business management, marketing, arts, visual merchandising

## **SPORT AND RECREATION – Certificate II and III - AFL**

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Subject Fee:

\$ 57 per year

First Aid – Level 2

\$ 75

T-shirt (Optional)

\$ 50

### **VET Qualification**

Students who successfully complete the first year course are eligible for the award of SIS20310 Certificate II in Sport and Recreation and in second year students are eligible for the award of SIS30501 Certificate III in Sport and Recreation.

### **Course Description**

The VET AFL course is offered with the support and help of the Murray Bushrangers Football Club in conjunction with AFL Victoria. The most advanced techniques in training, fitness and video analysis are used to further advance the athletes' football ability ensuring that full potential is met. Students are given a broad scope of football experiences enabling them to pursue a career or continue a strong involvement in the code.

### **Some Units in The Course**

1. Coaching accreditation – Level 1 Auskick 2. Officiating – AFL Umpiring accreditation 3. Drugs in Sport 4. Knowledge of the Football Industry 5. Fitness Training 6. Level 2 First Aid

### **Pathways**

- Employment: This program provides background knowledge and skills for entry-level employment areas such as sports coaching and the fitness industry.
- Tertiary Studies: Students who successfully complete the program have credit towards Certificate IV in Recreation. The program provides a firm foundation of theory and practice to assist with future diploma or degree course in the sport area.

## **SPORT AND RECREATION – Certificate II and III - Soccer**

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Subject Fee:	\$ 80 (includes Level 4 Referee Course)
First Aid – Level 2	\$ 75
T. Shirt (Optional)	\$ 50 (approx.)

### **VET Qualification**

Students who successfully complete the first year course are eligible for the award of SIS20310 Certificate II in Sport and Recreation and in second year students are eligible for the award of SIS30501 Certificate III in Sport and Recreation.

### **Course Description**

The VET Soccer course is offered with the support and help of the Albury Wodonga Football Association in conjunction with Football Federation Victoria. The most advanced techniques in training, fitness and video analysis are used to further advance the athletes' soccer ability ensuring that full potential is met.

### **Some Units in The Course**

1. Grassroots Coaching Certificate
2. Knowledge of the Soccer Industry
3. Drugs in Sport
4. Officiating – Level 4 Refereeing license
5. Level 2 First Aid/ Sports Injury Management

**Pathways** – Same as AFL above.

## **SPORT AND RECREATION GENERAL – Certificate II and III**

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Subject Fee	\$ 57 per year
First Aid – Level 2	\$ 75
T-shirt (Optional)	\$ 50

### **VET Qualification**

Students who successfully complete the first year course are eligible for the award of SIS20310 Certificate II in Sport and Recreation and in second year students are eligible for the award of SIS30501 Certificate III in Sport and Recreation.

### **Course Description**

This two year course aims to:

- Provide specific skills and knowledge in the following focus areas - sport
- Increase awareness of the scope of employment in the Sport and Recreation Industry
- Develop specific skills and knowledge in coaching and the organisation of sporting events

### **Some Units in the Course**

1. Coaching accreditation
2. First Aid Level II/ Sports Injury Management
3. Officiating accreditation
4. Work placement with Primary School Sport.
5. Conduct a sport & recreation session
6. Knowledge of the Sport and Recreation Industry

**Pathways** – Same as AFL, Soccer on previous page.

## SCHOOL BASED APPRENTICESHIPS

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School Based Apprenticeships (Traineeships) are becoming an important part of the curriculum for Year 10, 11 and 12 students. Some examples are:

- Students undertaking a School Based Apprenticeship in Hospitality at the Commercial Club, Albury, in Automotive (Heavy Vehicle) at Twin City Trucks, Wodonga and a Business Traineeship with ANZ Bank.

### ***How does it operate?***

The student works as a paid employee (trainee rates) for the host employer under an agreement between the student, the employer and an Apprenticeship Centre such as ATEL or VECCI.

The placement normally takes place during one school day and at other times as agreed. The student is also enrolled at TAFE or another training organization. They will be assessed on the job by the training organisation and may:

- Do study at the TAFE.
- Have work provided by the TAFE to be completed in their own time.

### **How does it fit into the V.C.E.?**

When the required assessments are completed, the school-based apprenticeship can count as unit 1/2 or 3/4 level units, depending on the certificate studied.

### **What does the student gain?**

- Paid employment and training in the chosen area of work
- A nationally recognized TAFE level Certificate
- As stated above, credit towards completing VCE or VCAL
- Credit towards an apprenticeship for those who go on to one

### ***How does it affect other classes?***

The student's timetable is organized to allow the work placement to take place. This may mean selecting VCAL or studying one less VCE subject.

***Who can do it? Students in year's 10, 11 or 12 who have turned 15.***

### **EXAMPLES OF CERTIFICATES AVAILABLE AS SCHOOL-BASED APPRENTICESHIPS:**

A wide range of other certificates have been enrolled in by our students. These include:

- Certificate II in Automotive-Electrical, Automotive-Heavy Vehicle Mobile Equipment, Local Government, Hairdressing and Certificate III in Carpentry

### **A Caution with School-Based Apprenticeships**

The School cannot guarantee that any student who would like to do a School-Based Apprenticeship can do one. To commence one it requires an employer who:

- Is prepared to employ a student Part-Time on a trainee wage
- Selects a student who may be competing with other students for the position

## **Articulated Pathways from Wodonga Senior Secondary College to Wodonga TAFE, and on to Higher Education**

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### **What is an articulated pathway?**

An articulated pathway is series of approved links that enables students to move between courses. Many vocational education and training (VET) courses link to pathways at secondary college and then to higher education (university).

Students are able to complete VET subjects at school and then articulate to Wodonga TAFE with guaranteed entry into a higher certificate/diploma within a pathway. Credit is given to all units successfully completed at Wodonga Senior Secondary College or Wodonga TAFE that articulate into higher courses. Please note that there may be compulsory or third party entry requirements for some courses.

### **What are the advantages of an articulated pathway through Wodonga TAFE?**

- Gives students practical 'hands-on' experience
- Provides a gradual entrance to university
- Is an opportunity to study locally
- Enables students to gain qualifications in vocational and higher education
- Provides various exit points after completing a certificate or diploma
- Reduces the cost of achieving a degree

## Examples of articulated pathways

<b>Wodonga Senior Secondary College (Certificate II, Certificate III partial)</b>	<b>Wodonga TAFE (Certificates II, III, and IV; diploma; advanced diploma)</b>	<b>Higher education (bachelor degree)</b>
Business	Business	Business, for example, Charles Sturt University
Furnishing - Cabinet making	Furnishing - Cabinet making	
Building and construction	Building and construction	
	Building design and project administration	
Sport and recreation	Fitness	
Community services	Children's services	Primary and early childhood education, for example, social science
	Aged care	
	Disability work	
	Community services	
	Community welfare work	
Engineering	Engineering	Engineering, for example, RMIT University
Hospitality	Hospitality (CC)	Business management
– Food and beverage	Hospitality management	
– Commercial cookery		
Information technology	Information technology	Information technology
Laboratory skills	Laboratory techniques	
Multimedia	Multimedia	Multimedia
Retail - Certificate I	Retail	
Logistics	Logistics	Logistics

The examples given are a guide only. For more information, refer to Wodonga TAFE's 2014 course guide, visit [www.wodongatafe.edu.au](http://www.wodongatafe.edu.au); call course information on 02 6055 6606 or email [courseinfo@wodongatafe.edu.au](mailto:courseinfo@wodongatafe.edu.au).

More details about articulated pathways and credit processes will be listed on the website in October 2014.

### Pathways through Course Selection – Sample course aiming for Physiotherapy

Year 10		Year 11		Year 12	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
English	English	English	English	English	English
Maths	Advanced	Methods (CAS)	Methods (CAS)	Methods (CAS)	Methods (CAS)
Science	Science	Physical Education	Physical Education	Physical Education	Physical Education
Humanities	Humanities	Biology	Biology	Biology	Biology
Vis Com	Digital Photography	Studio Arts	Studio Arts	Studio Arts	Studio Arts
VET Sport & Rec	VET Sport & Rec	VET Sport & Rec	VET Sport & Rec		

If successful this student would receive a complete Victorian Certificate of Education, and a Certificate II in Sport and Recreation-General Sport Focus. Studio Arts is a subject which, for this student, is something quite different to think about and study. The student would have 6 subjects counting towards an ATAR ranking for entry into a tertiary course of studies.

Tertiary Studies – example

- Physiotherapy at La Trobe University
- Prerequisites: Units 3 and 4 – a study score of at least 30 in English (ESL) or 25 in any other English, and a study score of at least 25 in two of Biology, chemistry, a mathematics (any), physical education or physics.

The student has the right subjects ... and simply needs to get the right scores in year 12!

### Pathways through Course Selection – Sample course aiming for Software Engineering

Year 10		Year 11		Year 12	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
English	English	English	English	English	English
Maths	Advanced	Maths Methods	Maths Methods	Maths Methods	Maths Methods
Science	Science	Information Technology	Information Technology	IT Applications	IT Applications
Humanities	Humanities	VET IT Network stream	VET IT Network stream	VET IT Network stream	VET IT Network stream
Computer Applications	Programming	Outdoor Education	Outdoor Education	Outdoor Education	Outdoor Education
Life Long Recreational Sports	Art	C20th History	C20th History		

If successful this student would receive a complete Victorian Certificate of Education, and a Certificate III in Information Technology – Network Stream. Outdoor Education is a subject which, for this student, is something quite different to think about and study. The student would have 5 subjects counting towards an ATAR ranking for entry into a tertiary course of studies.

Tertiary Studies – example

- Software Engineering at Monash University
- Prerequisites: Units 3 and 4 – a study score of at least 30 in English (ESL) or 25 in any other English, and a study score of at least 20 in mathematical methods or specialist mathematics or at least 35 in further mathematics.

The student has the right subjects ... and simply needs to get the right scores in year 12!

**Pathways through Course Selection – What course might work for you?**

**There are two tables here which you can fill in. Remember that whatever you do now will not lock you into any subjects in Year 11 or Year 12.**

What else do you need to know?

For information about jobs and training or further study, [www.joboutlook.gov.au](http://www.joboutlook.gov.au) is helpful.

For information about prerequisites for tertiary study, **The VTAC Guide**, at [www.vtac.edu.au](http://www.vtac.edu.au) is helpful.

If you don't want to think about it too much now, that's OK because it will come up again in Pathways activities, and in Year 10, when you look at Careers.

I'm interested in ..... what should I do?

Year 10		Year 11		Year 12	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
English	English	English	English	English	English
Maths	Maths				
Science	Science				
Humanities	Humanities				

I'm interested in ..... what should I do?

Year 10		Year 11		Year 12	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
English	English	English	English	English	English
Maths	Maths				
Science	Science				
Humanities	Humanities				

There are several people at Wodonga Senior Secondary College you can talk to ... your Pathways teacher, the VET Coordinator, the Careers Coordinator, the Trade Training Coordinator, the Structured Workplace Learning Coordinator and the Work experience Coordinator are some of the people who can help.



# NOTES