



PATTERSON RIVER
SECONDARY COLLEGE

YEAR 10 HANDBOOK
2018

COURSE SELECTION FOR YEAR 10 2018

In 2018, Year 10 students will complete six subjects per semester. English and Mathematics are core subjects and studied for the full year, while the other four units each semester are to be selected from a range of core and elective units from each of the Domains.

Our Year 10 course is designed so that students:

1. receive a broad education across all Domains of learning.
2. may specialize and provide extension in those subject areas that are of interest or which will assist in senior studies at V.C.E.
3. are able to select, where possible, the course that they study.
4. may have the opportunity to study a V.C.E. subject while in Year 10 as a means to extension (by recommendation only).

The following form the core of Year 10 studies:

- English (semester 1 & 2) 2 units
- Maths (semester 1 & 2) 2 units
- Science (one semester) 1 unit (10SC1 or 10SC2)
- Humanities (one semester) 1 unit (10HU1)
- 10PE1 (one semester) 1 unit (10PE1) or Dance or Excel Sport

Students must undertake 12 units of study for the year. Core studies comprise 7 units for the year. Students therefore can select 5 units of elective studies to add to the core studies.

In making elective subject selections students should keep in mind the following:

- All VCE studies comprise both semesters and take up 2 units
- If a student completes a VCE subject from either Science, Humanities or Physical Education that VCE course may replace the core unit from that Learning Domain
- VET Music comprises both semesters and takes up 2 units
- Year 10 LOTE comprises both semesters and takes up 2 units
- All other Year 10 electives comprise one semester and take up 1 unit
- **Maximum of two PE subject electives.** Outdoor Education is not counted as PE.

Please note: Students whose elective program includes a VCE subject, VET Music and Year 10 LOTE will have 13 units selected. These students will have to negotiate with their course counsellor to get permission to delete one of either science, humanities or PE from their program.

CHOOSING YOUR COURSE

1. Make sure you understand the rules for your Year 10 Course. Seek further information from co-ordinators or classroom teachers if unsure.
2. Thoroughly read the DESCRIPTIONS OF INDIVIDUAL UNITS OF STUDY.
3. Seek advice from the Careers Teacher, if you have a particular career or Tertiary or TAFE course in mind. Find out what subjects and education standards are required.
4. Which electives do you wish to undertake? Identify the electives which interest you and which are relevant to your future career path. If in doubt, choose electives that keep future options open.
5. Select subjects that highlight your strengths and interests. Avoid choosing based on whether you remain with a particular friendship group or whether you like a particular teacher. Student should aim to select a balanced program which takes into account their strengths and weaknesses, interests, future pathway options and recommendations from their coordinators and course counsellor.
6. Sometimes, a unit you choose may not run if not enough students choose it.
7. Remember that once courses are confirmed only under exceptional circumstances will changes be considered.

VOCATIONAL EDUCATION AND TRAINING (VET) & SCHOOL BASED NEW APPRENTICESHIPS (SBNA)

Students at Patterson River Secondary College have the opportunity to enrol in Vocational Education and Training (VET) and School Based New Apprenticeship (SBNA). These courses are offered through a partnership with TAFE and Registered Training Organisations (RTO's) and provide students with a National Certificate qualification at an industry standard. Please see Miss Amy Joseph in the Library if interested.

Year 10 Individualised Program

The College offers the opportunity for a select group of students to construct an individual program that suits their educational needs. This program consists of the core subject of Applied English, Social Science, Health and Mathematics as well as 4 elective subjects of the student's choice. To be considered eligible for this program, students must have been part of the Learning Support Program in junior school and ideally be headed towards VCAL. This would include students who are part of the PSD (integration) program. Students will be nominated as suitable by Learning Support staff in consultation with Year Level Managers. As part of the course counselling program, suitable students will need to attend an information session with their parents before they will be accepted.

Assessment

Assessment in a unit is based on the satisfactory completion of the Course Assessment listed as part of each unit description in this handbook.

The Course Assessment enables students to demonstrate their learning outcomes according to the Australian Curriculum (AusVELS). Students should expect to work towards level 10 while in Year 10.

Grades for the various components of the Course Assessment in a unit are combined to provide the overall unit result.

Exam – Year 10

All units in Year 10 have an exam at mid year and the end of year as part of their assessment criteria. Students will normally undertake six exams in June and six in November.

Exams are 75 minutes and make up portion of the final grade.

Completing Year 10

Students are expected to satisfactorily complete all 12 units throughout the year.

Year 10 students who fail to satisfactorily complete sufficient units throughout the year may not be promoted to Year 11, or will be enrolled in Year 11 on probation, with their progress being monitored regularly. Such a student may be returned to Year 10 if interim reports are unsatisfactory, or if progress is not to the satisfaction of the Level Coordinator/Principal. In all cases, decisions made relating to promotion of students will occur after discussions with parents/guardians. The attendance component will also be considered when promotion is reviewed.

Attendance

As with studies in the VCE, a minimum attendance requirement exists at Year 10. Students must meet the minimum attendance of 90% to satisfy course requirements otherwise they may not be promoted to the next year level. Therefore, students who are absent for any reason need to provide documentary evidence to cover their absence. Opportunity will be given to "redeem" missed worked and therefore ensure a satisfactory result and promotion.

Study/ Homework Program

The workload involved at Year 10 is an increase on that required in the Junior School. Apart from work completed in class, students will be expected to undertake 1½ to 2 hours homework/study per night.

An organised approach to home study time is essential and should include:-

- completing set assignments and work
- completing required reading
- completing required practical tasks
- regular revision of class work preparing for tests and examinations.

Often students have part-time jobs or heavy commitments with sport. It is still possible and necessary to be involved in activities other than those related to the school. However, this does require an effective and ordered use of time. Students are advised to design a weekly study timetable each term. This prevents work from being forgotten or rushed due to lack of time.

Elective Charges / Essential Education Items

Under government regulations, the College can allocate charges against units of study that use high cost materials. These charges must be paid at the time a course is confirmed (course confirmation day will be late October, actual date TBA). Non-payment may result in a student being reallocated to non-cost electives.

ELECTIVE CHOICES

ART

ART (10ART)

MATERIALS CHARGE:	\$40 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	Year 9 Visual Arts
DESCRIPTION:	<p>This study encourages students to explore ideas and to demonstrate effective working methods and a range of technical skills through investigation and experimentation. The presentation of artworks will be in the form of exploratory visual solutions and finished artworks. Students will work in a variety of mediums.</p> <p>The study also equips students to respond to art in an informed and articulate manner through a study of how art relates to society. Students also develop and refine personal points of view about the meanings and messages of artworks.</p>
COURSE ASSESSMENT:	Folio, Workbook, Assignments
LINKS TO VCE:	VCE Art, VCE Studio Arts and VCE Visual Communication & Design.

ADVANCED CERAMICS (10CER)

MATERIALS CHARGE	\$50 (This is a compulsory charge that must be paid by sign up)
DESCRIPTION:	<p>This study furthers student's knowledge in ceramic processes and materials through engagement with a series of projects that incorporate analysis, instruction/explanation and investigation. The creative potential of various ceramic media and techniques are explored alongside the health and safety issues associated with the ceramic studio. The course is primarily practical in nature, but seeks to place the acquisition of skills within the broader context of art/ceramic history, theory and contemporary practice. Students are expected to display competence in studio processes by the conclusion of the course.</p>
COURSE ASSESSMENT:	Assignment, Visual Diary – Including: <ul style="list-style-type: none">• Note• Sketches and Development work• Folio of practical work.
LINKS TO VCE:	VCE Art and VCE Studio Arts.

SCULPTURE (10SCU)

MATERIALS CHARGE	\$50 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	Year 9 Visual Arts
DESCRIPTION:	<p>This study encourages students to develop skills in planning and creating three dimensional forms using a wide range of materials and which may include plaster, stone, paper and fabrics. Students will study styles, methods and materials used in industry. Final artworks will be in the form of exploratory visual solutions and finished artworks.</p>
COURSE ASSESSMENT:	Folio of practical work, Visual Diary
LINKS TO VCE:	VCE Art and VCE Studio Arts

STUDIO ARTS – PHOTOGRAPHY (10STU)

MATERIALS CHARGE	\$60 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	Studio Arts – Basic Photography
DESCRIPTION:	This study encourages students to further skills within Photography. Students will extend on knowledge gained in Basic Photography. The focus remains on the competent use of a 35mm SLR, processing, developing and manipulating. Students will be introduced to visual composition techniques, design elements and principles and more complex film and digital processes. Student will review and analyse professional photographers and their work.
COURSE ASSESSMENT:	Practical Folio, Visual Diary
LINKS TO VCE:	VCE Studio Arts and VCE Art

VISUAL COMMUNICATION (10VIS)

MATERIALS CHARGE	\$40 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	Recommend Year 9 Visual Communication and Design
DESCRIPTION:	The study encourages students to further skills within Visual Communication. This encompasses the fields of communicating design, analysis and investigation. The subject deals with the development of visual systems by which we can understand information. Examples might include the development of business signage and logos, direction systems for people in multi-language situations such as airports, tourism etc. The work ranges through formal instrumental drawing to freehand concept drawings and rendering with ink, pencils, markers and airbrushes.
COURSE ASSESSMENT:	Folio, Design Concepts, Assignment
LINKS TO VCE:	VCE Visual Communication & Design and VCE Art.

DRAMA

Drama students in year 10 experiment with specific theatrical styles in performance work. They acquire skills in the selection, control and delivery of self expression and thematic references in specific performance settings. Students become more aware of how to develop major ensemble and solo performance work for specific audiences. They also learn how to analyse a professional performance. Through discussion, rehearsal, fine tuning and self reflection, they learn to justify ways their performance choices have produced intended meanings.

ADVANCED DRAMA PRODUCTION (10DRI)

PRE-REQUISITE/S:	Completion of one of the Year 9 Units is recommended but not essential
DESCRIPTION:	<p>Students will learn how to devise an original major ensemble production for a specific audience. Using the conventions and techniques of a range of traditional and contemporary theatrical styles, they will learn how to create characters and generate a major ensemble (group) performance to be performed for a specific audience. Students will be engaged in the research and documentation of specific playmaking techniques in order to inspire them in the creation of original plots, script and characters. Students will learn to manipulate combinations of dramatic elements, conventions and stagecraft in order to structure and enhance their performance work.</p> <p>Students will continue to learn how to use the correct terminology in their analysis of performance works and are expected to keep a workbook outlining performance processes, skills learnt and self reflection, leading to a written analysis task.</p>

COURSE ASSESSMENT: Major Ensemble & Solo Performances
Drama Folio
Analysis and Evaluation of Ensemble Performance task
Script Analysis and Performance Tasks
Professional Performance Analysis Task

LINKS TO VCE: This unit leads directly into VCE Drama Year 11 Units 1 & 2

PERFORMING IN CREATIVE SPACES (10DR2)

PRE-REQUISITE/S: Completion of any one of the Year 9 Units recommended but not essential

DESCRIPTION: Students will stage scenes in various performance spaces. Using a range of traditional and contemporary styles, they will learn how to translate the subtext of scripts into effective ensemble performances. Students will experiment with and learn how to combine characterisation, style conventions, dramatic elements and stagecraft (props, costume, lighting, makeup, multimedia and sound) into rich performance work. They will also learn how their approaches to the staging of such techniques in different spaces can affect the overall meaning and impact of a performance.

Student work will result in a major original ensemble performance in a contemporary space for a specific audience. They will continue to learn how to use the correct terminology in their analysis of performance works and are expected to keep a workbook outlining performance processes, skills learnt and self reflection, leading to a written analysis task.

COURSE ASSESSMENT: Major Ensemble & Solo Performances
Drama Folio
Analysis and Evaluation of Ensemble Performance task
Script Analysis and Performance Tasks
Professional Performance Analysis Task

LINKS TO VCE: This unit leads directly into VCE Drama Year 11 Units 1 & 2, Year 12 Unit 3

MUSIC

The Year 10 Music Program seeks to enhance students' enjoyment and respect of music through a wide and varied range of musical activities both inside and outside the classroom to be achieved through listening, composing and performing. Instrumental tuition is available "outside" the timetable.

MUSIC CRAFT (10MU2)

DESCRIPTION: Music performance will be explored in this unit. Students will learn to play graded pieces in various styles – Blues, Rock and Jazz on the keyboards and guitar as well as other instruments. They will undertake a unit of work that introduces them to Composition using computer technology to create their own finished piece of music. They will undertake listening exercises which explores contemporary styles in a negotiated curriculum. They will study traditional music theory relevant to their practical work. (This subject replaces Advanced Guitar and Advanced Keyboarding)

COURSE ASSESSMENT: Keyboard Practitioner, Traditional Theory, Listening, Study of Contemporary Styles, Composition and Music technology programs,

LINKS TO VCE: VCE Music Craft

VET CERTIFICATE II – MUSIC INDUSTRY SKILLS (10MU1)

Certificate I in Music Industry Skills

MATERIALS CHARGE	\$200 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	9MU01 recommended
DESCRIPTION:	CUSSOU202A – Mix sound in a broadcasting environment CUSSOU201A – Assist with sound recordings CUSOHS301A – Follow occupational health and safety procedures CUSMPF302A – Prepare for performances CUSMPF204A – Play music from simple written notation CUSMPF202A – Incorporate music technology into performance CUSMLT303A – Notate music CUFSOU204A – Perform basic sound editing CUFIND201A – Develop and apply creative arts industry knowledge BSBWOR203B – Work effectively with others
COURSE ASSESSMENT:	Successful students from the Vet Course will be able to: <ul style="list-style-type: none">• Set up and complete a recording session• Score original music for film and a TV jingle• Use Logic Pro DAW software in a competent manner• Create an original music video• Notate music• Work effectively with others to plan and create solutions
LINKS TO VCE:	Students who complete Certificate I & II will be credited with two VCE units

ENGLISH

The study of English is compulsory at every level of school, P – 12. English aims to develop student abilities to use, understand and appreciate language effectively, confidently and with enjoyment.

All students in Year 10 study the Core Course; as well, students may choose an English elective.

LITERATURE (10LIT)

DESCRIPTION:	The study of English Literature enables students to further develop and refine their skills in all aspects of English. This course is specifically aimed at students who are considering pathways into VCE Literature. As such, a key focus will be the extended development of already proficient readers and writers who are keen to excel. Making connections between texts, ideas, and the world around them will allow students to understand the study of English more deeply. This will be transferable in all areas of their VCE studies: in their ability to analyse and assess texts, and respond to them in a critical fashion.
COURSE ASSESSMENT:	Students will be assessed in a variety of creative and analytical forms.
LINKS TO VCE:	This course will provide a pathway to VCE English Literature as well as strengthening skills used in VCE English. Student considering pursuing study in literature post-secondary education have a wide variety of choices available including English Literature, Creative writing and Journalism at a tertiary level.

HEALTH and PHYSICAL EDUCATION

GENERAL PHYSICAL EDUCATION (10PE1)

DESCRIPTION: This course is designed to develop and extend students' abilities in a range of sports. They will also be introduced to the basic theory components of Physical Education in preparation for senior PE. Theory topics include: body systems, biomechanics, games sense, fitness components, designing fitness programs and healthy lifestyle choices.

COURSE ASSESSMENT: 40% Theory work & 60% Practical Assessment.

- Skill Development – 90% Active Participation in practical classes
- Workbook, Assignments.
- End of Semester Exam.

LINKS TO VCE: VCE Physical Education: Units 1 – 4

TEAM SPORTS (10PE7)

DESCRIPTION: This unit is designed for students who enjoy team sports involving ball control. Students will complete 4 week blocks in Volleyball, Netball, Basketball and European Handball/ Tchoukball. Students will be given the opportunity to improve their understanding of the rules, skill levels and umpiring ability in each sport, through graded drills, modified games and full games. Students will undertake theoretical studies once a week on topics including nutrition, sports injuries, first aid and health promotion.

COURSE ASSESSMENT: Skill Development – 90% Participation in practical classes

- Workbook, Assignments
- End of Semester Exam

LINKS TO VCE: Physical Education Units 1 – 4

FOOTBALL SPORTS (BOYS) (10PE4)

PRE-REQUISITE/S: This is a Boys only class.

DESCRIPTION: Six sports will be covered. AFL Football, Rugby (Union and League), Soccer, NFL Football, Gaelic Football, Indoor Soccer. Both offensive and defensive skills will be covered as well as tactical play, skills, positional play, game planning, rules, conditioning for each sport and umpiring for each sport.

COURSE ASSESSMENT: Skill Development – 90% Active Participation.
Satisfactory completion of Video Analysis, Rules Testing and Theory Assignment.
End of Semester Exam

LINKS TO VCE: VCE Physical Education Units 1 – 4

SPORT AND RECREATION (10PE6)

MATERIAL CHARGE \$70 (This is a compulsory charge that must be paid by sign up)

DESCRIPTION: This unit will cover a number of sport and recreational pursuits including tennis, squash, badminton and table-tennis. Basic and more advanced strokes in each sport will be covered. Individual skill, drill, match practice, tournaments, rules and tactics will also be covered. Students will also participate in a number of activities that cannot be performed at school. These activities will include Ten Pin bowling, golf and lawn bowling.

COURSE ASSESSMENT: Skill Development – 90% Participation in practical classes
Workbook, Assignments.
End of Semester Exam.

LINKS TO VCE: VCE Physical Education Units 1-4

GIRLS PHYSICAL EDUCATION (10PE5)

PRE-REQUISITE/S: This is a Girls only class.

MATERIAL CHARGE \$25 (This is a compulsory charge that must be paid by sign up)

DESCRIPTION: This unit aims to provide students with a basic coverage of a range of physical activities in a positive and encouraging environment. Students will cover a range of lifestyle sports, including gym classes, aerobics, yoga/pilates, recreational walking and a variety of team sports, with the aim of encouraging students to become more involved in future lifelong physical activity. Students will also study theory topics such as Body Image, Self-esteem, Benefits of Physical Activity and Nutrition.

COURSE ASSESSMENT: Skill Development – 90% Active Participation

- Workbook, Assignments.
- End of Semester Exam.

LINKS TO VCE: VCE Physical Education Units 1 and 2
Health and Human Development Units 1 and 2

YEAR 10 OUTDOOR EDUCATION (10OES)

MATERIAL CHARGE \$200 (This is a compulsory charge that must be paid by sign up)

DESCRIPTION: This unit aims to build on students' theoretical and practical knowledge of the outdoor environment in a lead up to VCE Outdoor Education. It is recommended that students have completed Year 9 Outdoor Education but not a pre-requisite. Practical activities include a 3 day bushwalking base camp, indoor rock climbing, kayaking, bushwalking, camping skills and Orienteering/Mapping. Theory components include first aid, minimal impact/sustainability, historical and current uses of the land, changes in technology within the outdoors and camp preparation.

COURSE ASSESSMENT: • Skill Development – 90% Active Participation

- Workbook, Assignments.
- End of Semester Exam.

LINKS TO VCE Outdoor and Environmental Studies Units 1 and 2

EXCEL SPORT (10PE3)

MATERIAL CHARGE There may be a number of excursions to sporting facilities outside school involving travel in the school bus. Money is payable at the time of the excursions.)

PRE-REQUISITE/S: Please note that this subject is in place of 10PE1 and is a part of the College's Excel Sport Program. Students may be required to undertake a selection process prior to course confirmation

DESCRIPTION: This subject is aimed at students who wish to be challenged at a practical and theoretical level. It is an advanced course that is designed to develop and extend students' abilities in a range of sports with an additional focus on fitness and training programs. In addition, students will be introduced to the basic and intermediate theory components of Physical Education in preparation for senior PE. Theory topics include body systems, biomechanics, games sense, fitness components, designing fitness programs and healthy lifestyle choices.

COURSE ASSESSMENT: 50% Theory work & 50% Practical Assessment.
Skill Development – 90% Active Participation in practical classes
Workbook, Assignments.
End of Semester Exam.

LINKS TO VCE VCE Health and Human Development
VCE Physical Education

BUBS TO TEENS (10HL1)

DESCRIPTION: This subject focuses on body changes from conception to birth in both mother and baby. It also examines the health concerns that are specific to pregnant women and babies. A major emphasis is placed on teenage pregnancy, childbirth, raising a baby and parenting issues whilst at the same time using a healthy lifestyle approach. Topics covered in the course include contraception, sexually transmitted infections, conception, prenatal development, nutrition, birth and pain relief choices, adaptations of the newborn, economic and social costs of pregnancy. Students will gain a clear understanding of the processes involved with pregnancy and birth. The subject also enables students to make informed decisions for their own futures. Participation in this subject will include a practical component. Each student is required to care for the Infant Simulator for a minimum of three nights and complete a reflection on their experience. Students are also involved in interactive activities, in depth discussions, guest speaker sessions and utilise the internet to research issues specific to the content.

COURSE ASSESSMENT:

- Participation in class activities
- Research and inquiry assignments
- Baby Simulation
- End of unit exam

LINKS TO VCE VCE Health and Human Development, VCE Physical Education

HEALTHY TEENS (10HL2)

DESCRIPTION: This unit focuses on promoting healthy lifestyles whilst determining the influences that the Media, Australian government and Personal Choices have on Health. Throughout the unit, students will investigate Australia's Health Care System, Mental Health, Drug Education, Sexuality and Respectful Relationships. Underpinning the unit will be a focus on literacy, research skills, reflection and resilience

COURSE ASSESSMENT: Medical specialists research task
Mental health presentation
Newspaper analysis, STI research task and reflection journal
End of unit exam

LINKS TO VCE VCE Health and Human Development
VCE Physical Education

DANCE

PE/DANCE (10PE2)

MATERIAL CHARGE \$20 (This is a compulsory charge that must be paid by sign up)

DESCRIPTION: This unit is designed to develop and extend students' ability in a range of dance styles and is an alternative for the compulsory 10PE1 subject. They will be introduced to basic theory components of PE/Dance. Theory topics are body systems, fitness components, nutrition, physical activity, dance styles around the world.

COURSE ASSESSMENT:	40% theory 60% practical assessment workbook assignments End of unit exam
LINKS TO VCE	VCE Dance VCE Physical Education

ARTISTIC DANCE (10DAN)

MATERIAL CHARGE	\$20 (This is a compulsory charge that must be paid by sign up)
DESCRIPTION:	This unit focuses on a range of dance styles and encourages artistic creativity in choreography and performance. Students will work in a variety of community based performances and production contexts to promote an awareness of dance.
COURSE ASSESSMENT:	Choreography and performance of a learnt work, ongoing technique development, learnt work by external choreographer and theory assignment.
LINKS TO VCE	VCE Dance

HUMANITIES

This learning area incorporates Geography, History, Economics, Accounting, Legal Studies, Philosophy and Business Management. 10HU1 is a compulsory unit. Students may also choose other electives within the Humanities Domain.

HUMANITIES (10HU1) (this is a compulsory unit)

PRE-REQUISITE/S:	Year 9 Learning 4 Life
DESCRIPTION:	This unit provides an introduction to Humanities subjects offered in VCE. Students will investigate the historical significance of World War Two and Australia's contribution. In relation to geography students will learn about development issues and human well-being. In relation to Legal Studies students will learn of the process of the legal system through the struggle of Australian Indigenous people attempting to gain recognition of their rights and land. Students will also look into the changing business climate of the twenty-first century such as the emergence of online start-ups.
COURSE ASSESSMENT:	Classwork, Research project, Tests/Exam
LINKS TO VCE	VCE History and VCE Geography.

AUSTRALIAN LAW AND YOU (10HU3)

DESCRIPTION:	This unit is designed to develop skills and knowledge for those students who might be considering undertaking VCE Legal Studies. Students will analyse how they as individuals relate to the function of laws and investigate the operation of our legal system through an understanding of our court hierarchy, civil and criminal law processes and the jury system.
COURSE ASSESSMENT:	Classwork, Research project, Tests/Exam and excursions.
LINKS TO VCE	VCE Economics, VCE Legal Studies

INTRODUCTION TO BUSINESS (10HU4)

DESCRIPTION:	This elective looks at the management of small business in Australia. Management involves planning, organising, leading and making decisions which are based on sound financial information. Effective management practices are identified and students will gain an understanding of the personal skills that are required to be a successful business person
COURSE ASSESSMENT:	Classwork, Research project, Tests/Exam and excursions
LINKS TO VCE	VCE Accounting, VCE Business Management

AUSTRALIA AND THE WORLD IN THE 20TH CENTURY (10HU5)

DESCRIPTION: This unit explores significant events that shaped Australia in the 20th century. Topics may include and are chosen from: "The Heroes of Kokoda", "Would you have Dropped the Nuclear Bomb on Hiroshima?" Interviewing Interesting Locals", "Weary Dunlop and the Treatment of Aussie POWs during WW2", Famous Moments in Australian Sport and Science", and an individual research topic.

COURSE ASSESSMENT: Classwork, Research project, Analytical Exercises, Tests/Exam

LINKS TO VCE VCE History

THE WORLD AND YOU (10HU6)

DESCRIPTION: Physical: natural systems need to be examined and explored using fieldwork and research techniques. Fieldwork is a mandatory requirement for examining natural processes. Subjects such as water, coastal systems, threatened environments and climate change will be investigated. Human: The nature of human interaction with the world will be studied. Topics such as tourism, pollution, urban development and global issues will be used to investigate human relationships with the physical environment. Again fieldwork is mandatory.

COURSE ASSESSMENT: Class Work, Research Project, Practical Activities, Fieldtrips, Tests/Exam

LINKS TO VCE VCE Geography

INTRODUCTION TO GLOBAL ISSUES (10HU7)

DESCRIPTION: This unit designed to investigate important global issues like terrorism, human rights, acts of genocide and poverty. The coursework is designed to develop key knowledge and skills for VCE Global Politics. Students will study organisations like ISIS, al Qaeda, Amnesty International and the United Nations whilst critically investigating issues like terrorist attacks, human rights violations and war crimes.

COURSE ASSESSMENT: Classwork, Research project, Tests/Exam and excursion

LINKS TO VCE VCE Philosophy

LOTE – LANGUAGES OTHER THAN ENGLISH

INDONESIAN LANGUAGE (10IND)

PRE-REQUISITE/S: Year 9 Indonesian

DESCRIPTION: The four language skills of reading, writing, listening and speaking will be improved upon and extended by students in Indonesian this semester. A variety of challenging tasks will be set to further expose students to grammar structures and new vocabulary. Students will also enhance their intercultural knowledge and awareness of language as a system.

COURSE ASSESSMENT: Short written and spoken tasks, listening and comprehension activities, tests, self assessment and an exam.

LINKS TO VCE VCE Indonesian – Units 1, 2, 3 and 4

GERMAN LANGUAGE (10GER)

PRE-REQUISITE/S: Year 9 German

DESCRIPTION: The four language skills of reading, writing, listening and speaking will be improved upon and extended by students in German this semester. A variety of challenging tasks will be set to further expose students to grammar structures and new vocabulary. Students will also enhance their intercultural knowledge and awareness of language as a system.

COURSE ASSESSMENT: Short written and spoken tasks, listening and comprehension activities, tests, self assessment and an exam.

LINKS TO VCE VCE German – Units 1, 2, 3 and 4

MATHS

MATHS FOUNDATION (10MAF)

PRE-REQUISITE/S: Teacher recommendation

DESCRIPTION: A maths course designed for students who do not wish to proceed to VCE General Maths or Maths Methods. A comprehensive Maths unit for students wishing to study Foundation Maths at VCE level. The topics include working with a Calculator, Whole Numbers, Fractions, Decimals, Percentages, and Measurement. Students will develop an understanding and appreciation of the skills and concepts relevant to these topics and will apply them to challenging problems.

COURSE ASSESSMENT: Skills practice and standard applications
Problem Solving and Modelling
Project
Exams

LINKS TO VCE VCE Foundation Maths Units 1 and 2.

MATHS GENERAL (10MAG)

PRE-REQUISITE/S: Teacher recommendation

DESCRIPTION: This comprehensive maths course caters for students wishing to proceed to General Maths at V.C.E. Units 1 and 2. MG201 will include the following topics:-
Business Maths
Measurement
Trigonometry
Statistics

COURSE ASSESSMENT: Skills practice and standard applications
Problem Solving and Modelling
Project
Exams

LINKS TO VCE VCE General Maths Units 1 and 2

MATHS METHODS (10MAX)

PRE-REQUISITE/S: Teacher recommendation

DESCRIPTION: A more advanced maths course for students wishing to proceed to Mathematics Methods at V.C.E. Units 1 and 2. 10MAX will include the following topics:

- Algebraic Simplification
- Linear Functions
- Surds
- Factorisation
- Arithmetic
- Indices
- Transposition
- Substitution

COURSE ASSESSMENT: Skills practice and standard applications
Problem Solving and Modelling
Project
Exams

LINKS TO VCE VCE General Maths or Maths Method Units 1 and 2.

SCIENCE

Each student will study one semester of core Science curriculum in Year 10. The units are 10SC1 and /or 10SC2. Each unit has 5 periods per week. Students may also choose other electives within the Science Domain.

FOUNDATION SCIENCE(10SC1)

DESCRIPTION: Year 10 students are required to participate in Science for a minimum of one semester. Topics to be covered are as follows.

- Chemistry: Materials
- Physics: Speed/acceleration
- Biology: Genetics

COURSE ASSESSMENT: Bookwork, Practical work, Research Assignment, Tests/Exam

GENERAL SCIENCE (10SC2)

DESCRIPTION: Year 10 students are required to participate in Science for a minimum of one semester. Topics to be covered are as follows.

- Chemistry: Chemical Reactions
- Physics: Movement
- Biology: Genetics

COURSE ASSESSMENT: Bookwork, Practical work, Research Assignment, Tests/Exam

LINKS TO VCE Biology, Chemistry, Physics and Psychology

PSYCHOLOGY (10PSY)

DESCRIPTION: We normally think of ourselves as conscious, alert, self-aware and sensitive to what is going on in our environment. This unit reviews the state of consciousness and unconsciousness. It delves into sleep patterns, dreams and the effects of drugs, hypnosis and meditation on the mind. If you have an interest in “psychology” this is the place to start

COURSE ASSESSMENT: Short Exercises, Empirical Research Activities, Presentation of a Controversial Issue and Research Tasks.

LINKS TO VCE Psychology

ADVANCED CHEMICAL & PHYSICAL SCIENCE (10SCA)

PRE-REQUISITE/S: Teacher recommendation

DESCRIPTION: This course offers students an opportunity to broaden their scientific knowledge, understanding and analytical skills. It expands upon the compulsory Year 10 science courses with an emphasis on physics and chemistry in preparation for study in these VCE science subjects. Topics are selected from the following:

- Measurements, energy and forces, atomic structure, radioactivity and nuclear energy, the theories of Albert Einstein.
- Chemical reactions and equations, corrosion, properties of carbon dioxide, organic chemistry.
- Several of the outcomes from level 6 of the Victorian Essential Learning Standard (VELS) are covered.

COURSE ASSESSMENT: Bookwork, Practical work, Research Assignment, Tests/Exam

LINKS TO VCE Chemistry and Physics

ADVANCED BIOLOGICAL SCIENCE (10BIO)

PRE-REQUISITE/S:	Teachers recommendation
DESCRIPTION:	<p>This course offers students an opportunity to broaden their scientific knowledge, understanding and analytical skills. It expands upon the compulsory Year 10 science courses with an emphasis on Biological Science in preparation for study in these VCE areas. Topics are selected from the following:</p> <ul style="list-style-type: none">• Human body systems including the circulatory, skeletal, muscular and nervous system and brain• Animal Physiology and behaviour• Botany and Ecology including field work• Biotechnology including genetic engineering and medical science• Several of the outcomes from level 6 of the Victorian Essential Learning Standard (VELS) are covered
COURSE ASSESSMENT:	Bookwork, Practical work, Research Assignment, Tests/Exam
LINKS TO VCE	Biology and Psychology

STEM BUSINESS(10STE)

DESCRIPTION:	<p>This STEM based subject will in conjunction with the Patterson River Community Energy project that was launched at the end of 2016. Students will learn a range of science and business theory using hands-on experiences in a manner that will allow the students to run elements of the energy project.</p> <p>Topics / responsibilities will include:</p> <ul style="list-style-type: none">• Energy production• Solar generation & Battery storage• Data collection & analysis• Carbon: cycle, footprints and more• Marketing & Communication• Accounting: budgets, forecasts & reporting
COURSE ASSESSMENT:	Theory assessments, project reports, group presentation & end of year exam.
LINKS TO VCE	Physics, Chemistry, Maths, Business Management

PRODUCT DESIGN AND TECHNOLOGY

ADVANCED ELECTRONICS AND PROGRAMING (10TE1)

MATERIALS CHARGE	\$70 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	9TE01 Electronics and Programing recommended
DESCRIPTION:	<p>Students will be mainly working on programming Arduino micrcontroller projects on a breadboard that require higher level of programming skills to design circuits such as measuring reaction time and laser trip alarm circuit and will also be given an opportunity to develop design thinking by incorporating electronic kits into simple products.</p>
COURSE ASSESSMENT:	<ul style="list-style-type: none">• Programming tasks using the Arduino• Assessment of correct circuit and component layout on breadboard• Workbook• Exam
LINKS TO VCE	Systems Engineering, Physics

PRODUCT DESIGN – METAL (10TE2)

MATERIALS CHARGE	\$70 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	Years 7 and 8 Technology (Metal) Recommended: Metal Products
DESCRIPTION:	Students build one or more small and complex metal products; they will be encouraged to incorporate other materials such as plastic and wood. They are required to select a client and design their project to suit the client's specific needs, using various drawing techniques. Students are able to develop design and production skills through the use of industry standard software and machinery such as Corel Draw and the laser cutter. They also build on previous practical knowledge and skills, using a range of metalworking tools and processes in building their projects. Upon completion, students evaluate their projects using criteria they have developed.
COURSE ASSESSMENT:	<ul style="list-style-type: none">• Design folio:<ul style="list-style-type: none">➤ Investigation work➤ Design development➤ Production planning➤ Logbook of production activities• Production:<ul style="list-style-type: none">➤ Safe use of tools and machinery➤ Successful completion of projects• Self-evaluation of the design process and finished products• Exam
LINKS TO VCE	Product Design & Technology

PRODUCT DESIGN – WOOD (10TE3)

MATERIALS CHARGE	\$70 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	Recommended: TE103 Timber Furniture
DESCRIPTION:	Students build a small and complex piece of timber furniture; they will be encouraged to incorporate other materials such as plastic and metal. They are required to select a client and design their project to suit the client's specific needs, using various drawing techniques. Students are able to develop design and production skills through the use of industry standard software and machinery such as Corel Draw and the laser cutter. They also build on previous practical knowledge and skills, using a range of woodworking tools and processes in building their project. Upon completion, students evaluate their projects using criteria they have developed.
COURSE ASSESSMENT:	<ul style="list-style-type: none">• Design folio:<ul style="list-style-type: none">➤ Investigation work➤ Design development➤ Production planning➤ Logbook of production activities• Production:<ul style="list-style-type: none">➤ Safe use of tools and machinery➤ Successful completion of project• Self-evaluation of the design process and finished product• Exam
LINKS TO VCE	Product Design & Technology

ADVANCED DIGITAL DESIGN & MANUFACTURE (10TE5)

MATERIALS CHARGE	\$70 (This is a compulsory charge that must be paid by sign up)
PRE/REQUISITE	9TE05 Digital Design and Manufacture
DESCRIPTION:	Students work with CAD programs, CorelDRAW and Onshape; and CAM equipment, laser cutter and 3D printer. They design parts and products with computers so that they can be made with computer controlled machines. Students learn 2D and 3D digital design and rendering skills as well as make a variety of products for manufacture with computer controlled machines. This subject will also investigate careers in digital design and manufacturing.
COURSE ASSESSMENT:	<ul style="list-style-type: none">• Design folio:<ul style="list-style-type: none">➤ Investigation work➤ Design development➤ Production planning➤ Logbook of production activities• Production:<ul style="list-style-type: none">➤ CAD files➤ Successful completion of projects and models• Self-evaluation of the design process and finished products• Exam
LINKS TO VCE	Product Design & Technology, Visual Communication & Design, Systems Engineering

SILVERSMITHING AND CASTING (10TE6)

MATERIALS CHARGE	\$70 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	9TE06 Silversmithing and Casting
DESCRIPTION:	Students design a number of jewellery pieces using the Design Process and make them using a range of materials, such as non-precious metals, acrylic plastic and resin. They learn about gold and silver smithing techniques such as cutting, shaping, silver soldering and finishing. Students make their own moulds to cast resin and pewter. Each project is finished with a written evaluation.
COURSE ASSESSMENT:	<ul style="list-style-type: none">• Design folio:<ul style="list-style-type: none">➤ Investigation work➤ Design development➤ Production planning➤ Logbook of production activities• Production:<ul style="list-style-type: none">➤ Safe use of tools and machinery➤ Successful completion of projects• Self-evaluation of the design process and finished products• Exam
LINKS TO VCE	Product Design & Technology

ADVANCED ROBOTICS AND CODING (1OTE7)

MATERIALS CHARGE	\$70 (This is a compulsory charge that must be paid by sign up)
DESCRIPTION:	Students will be introduced to and taught the Robot C programming language which will then be used to code a more advanced VEX EDR robot built by students to perform different functions and carry out assigned tasks. Students will learn and apply STEM (Science, Technology, Engineering and Mathematics) skills through the programming of the robot to perform the various tasks.
COURSE ASSESSMENT:	<ul style="list-style-type: none">• Robot building skills and relating them to the use of mechanisms, motors and sensors• Programming tasks• Workbook• Exam
LINKS TO VCE	Systems Engineering, Physics

FOOD TECHNOLOGY

BAKER'S TOOLKIT (10TF1)

MATERIALS CHARGE	\$100 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	While it would be beneficial to have completed Year 9 Food Studies, this is not compulsory
DESCRIPTION:	This course provides an opportunity to develop and refine skills in the production of baked food items, including breads, cakes, biscuits, soufflés and pastries. Aspects of the food industry related to being responsible consumers will be explored including: sustainable food production, the environmental impact of packaging and ethical sources of food produce such as chocolate and coffee. The role of food in maintaining health will be examined through the Australian Dietary Guidelines. Students will consider the need of addressing allergies and intolerances in the production of baked items.
COURSE ASSESSMENT:	<ul style="list-style-type: none">• Design folio – a range of investigation tasks related to key aspects of the course.• Design Exercises – The design, production and evaluation of at least two food products related to high quality baked products• Production – Student and teacher evaluation of development of food production skills• Evaluation tasks – Critical analysis of food production tasks• Exam – A detailed test of knowledge gained through design folio activities, design exercises, production tasks and evaluations.
LINKS TO VCE	<ul style="list-style-type: none">• VCE Food Studies Units 1 – 4• Course content related to healthy food choices and the Australian Dietary Guidelines is also linked to studies in VCE Health and Human Development

EXPLORING THE MENU (10TF2)

MATERIALS CHARGE	\$100 (This is a compulsory charge that must be paid by sign up)
PRE-REQUISITE/S:	While it would be beneficial to have completed Year 9 Food Studies, this is not compulsory
DESCRIPTION:	This course provides students with the opportunity to develop and refine skills in the production of a variety of food items from across the menu with a particular focus on healthy lunches and dinners. Students will conduct research into careers in the hospitality industry and consider technological developments in the domestic food market. The ethical production of meat and meat products will be researched and debated. Students will also consider the impact of climate change on crops and food production

- COURSE ASSESSMENT:**
- Design folio – a range of investigation tasks related to key aspects of the course.
 - Design Exercises – The design, production and evaluation of at least two food products related to healthy meal planning
 - Production – Student and teacher evaluation of development of food production skills
 - Evaluation tasks – Critical analysis of food production tasks
 - Exam – A detailed test of knowledge gained through design folio activities, design exercises, production tasks and evaluations.

LINKS TO VCE

- VCE Food Studies Units 1 – 4
 - Course content related to healthy food choices and the Australian Dietary Guidelines is also linked to studies in VCE Health and Human Development
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INFORMATION TECHNOLOGY

SOFTWARE AND MULTIMEDIA (10IT1)

DESCRIPTION:

This unit looks at the application of computers for personal and business use with a focus on using multimedia applications. The software studied includes Adobe Photoshop (image work), Premier Pro (making and editing movies) & Audacity/Audition (sound and music). Webpages will be developed using MS Expression Web and Weebly. Students will use Publisher to produce print media and PowerPoint and Prezi to complete electronic presentation work. Access databases and Excel spreadsheets will also be studied.

The focus will be to create information products that could be useful in everyday situations.

COURSE ASSESSMENT: Work Folio, Theory Tasks, Skill Practice Task

LINKS TO VCE

Computing Unit 1 and Unit 2 (Year 11), Informatics Unit 3 and Unit 4 (Year 12), Software Development Unit 3 and Unit 4 (Year 12)

PROGRAMMING AND GAMING (10IT2)

DESCRIPTION:

This unit is intended to introduce students to the concepts of structured programming and game development. Programming is taught using Scratch, Visual Basic & VB.Net. Classroom projects will include the use of controls such as command buttons, labels and menus. Topics covered also include program design, naming conventions, error checking techniques and the use of internal documentation. The game development component of the course allows students to design, develop and test their own games using Game Maker and Unity software packages.

COURSE ASSESSMENT: Work Folio, Theory Tasks, Skill Practice Task (end of semester)

LINKS TO VCE

VCE: Computing Unit 1 and Unit 2 (Year 11), Informatics Unit 3 and Unit 4 (Year 12), Software Development Unit 3 and Unit 4 (Year 12)