



YEAR 10

HANDBOOK 2027

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COURSE SELECTION FOR YEAR 10 2027

In 2027, Year 10 students will complete six subjects per semester. English, Mathematics, Health & T@SK are core subjects and studied for the full year, while the other three units each semester are to be selected from a range of elective units from each of the Domains. Students must select at least once Science elective and one Humanities elective as part of the additional six they choose for the year.

Our Year 10 course is designed so that students:

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

The following form the core of Year 10 studies:

- | | |
|---|---------|
| • English (Semesters 1 and 2) | 2 units |
| • Mathematics (Semesters 1 and 2) | 2 units |
| • Health (3 periods per week for Semesters 1 and 2) | |
| • T@SK (2 periods per week for Semesters 1 and 2) | 2 units |
| • Science elective (one semester) | 1 unit |
| • Humanities elective (one semester) | 1 unit |
| • Technology elective (if none completed in Year 9) | 1 unit |

Students must undertake 12 units of study for the year. Core studies comprise 6 units for the year. Students therefore can select 6 units of elective studies to add to the core studies. 2 of these units must be at least one Humanities elective and one Science elective.

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 or Humanities that VCE course may replace the required unit from that Learning Domain
- EXCEL Sport must be chosen for both semesters and will take up 2 units
- German must be chosen for both semesters and will take up 2 units
- All other Year 10 electives comprise one semester and take up 1 unit
- A maximum of two PE subject electives can be completed, 1 subject per semester (these 2 PE subjects can be in addition to Outdoor Education).

Some elective subjects require a curriculum contribution from families. Please note that the costs outlined for each subject are indicative only and may be subject to change when fees are calculated.

CHOOSING YOUR COURSE

1. Make sure you understand the rules for your Year 10 Course. Seek further information from co-ordinators, your mentor teacher or classroom teachers if unsure.
2. Thoroughly read the DESCRIPTIONS OF INDIVIDUAL UNITS OF STUDY and watch the supermarket sessions to learn more about how the course relates to the real world.
3. Seek advice from the Careers Office at School (next to the Year 10 Coordinators) if you have a particular career or Tertiary or TAFE course in mind. Find out what subjects and results 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. You should aim to select a balanced program, which takes into account: your strengths and weaknesses, interests, future pathway options and recommendations from your 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 it is only under exceptional circumstances that changes will 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 (RTOs) and provide students with a National Certificate qualification at an industry standard. Please see the Careers Office for more information on these programs.

Year 10 Student studying a VCE subject

Some Year 10 students may be interested in completing a VCE Unit 1 and 2 subject. At Years 11 and 12 subjects are studied as four units over two years. Most students complete Units 1 and 2 for each subject in Year 11 and Units 3 and 4 for each subject in Year 12. If students want to accelerate in Year 10 they must have the recommendation of teachers to do this.

A student in Year 10 undertaking a VCE subject is completing one subject sequence early. This has several benefits for the student including:

- exposure to the work habits of older students
- exposure to the requirements of VCE Units
- obtaining a 6th Year 12 study score in the calculation of their ATAR.

Please note, students who complete a Unit 3 and 4 subject in Year 11 must pick up an additional Unit 3 and 4 subject in Year 12. The list of subjects that students can choose to pick up in Year 12 are:

- Health
- Physical Education
- Outdoor and Environmental Studies
- Psychology
- Biology
- Legal Studies
- Business Management
- History Revolutions
- Literature
- Theatre Studies
- Food Studies
- Product Design and Technologies
- Art Creative Practice (by negotiation)
- Media Studies

A letter of recommendation will be sent home to students who have been identified as capable of accelerating into a VCE subject in Year 10. An information session for parents and students will be held as part of the course counselling process to support these students to choose a VCE subject if they wish to.

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, Project Ready, 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 VCE VM (formerly 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 their coordinators. 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 Victorian Curriculum. Students should expect to work towards Level 10 while in Year 10.

Exams

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

Completing Year 10

Students are expected to satisfactorily complete all 12 units throughout the year. Year 10 students who do not 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 work 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 can expect 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 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.

YEAR 10 ELECTIVE CHOICES

DESIGN AND TECHNOLOGIES

PRODUCT DESIGN & TECHNOLOGIES – DIGITAL DESIGN (10PDD)

Students choosing to study Product Design & Technologies – Digital Design should consider the following:

Extra-Curricular Contribution

There is an Extra-Curriculum Contribution of **\$77.00**

Subject Description

Students work with CAD (Computer Aided Design) programs and operate CAM (Computer Aided Manufacture) equipment to produce prototypes of products that could be mass-produced. CorelDRAW and the laser cutter are used to produce a slot-joint toy. Onshape and the 3D printer are used to produce a product that suits the needs of an end-user. Students use the Design Process to develop their projects within guidelines and document all work in a design folio. Students then evaluate their products to enhance their learning.

Course Assessment: Design folio, Production, Self-evaluation of the design process and finished products and Exam

Links to VCE Subjects: Product Design and Technologies and Systems Engineering

PRODUCT DESIGN & TECHNOLOGIES – METAL (10PDM)

Students choosing to study Product Design & Technologies – Metal should consider the following:

Extra-Curricular Contribution

There is an Extra-Curriculum Contribution of **\$77.00**

Subject Description

Students build a metal piece of furniture from steel bar using various production processes and joining processes such as MIG-welding. While the project revolves around students working with steel bar, they will have the opportunity to include other materials to enhance their designs. Students engage with the “double diamond” design process while designing their metal furniture. Various drawing techniques are used to document the design development and planning. Students develop an understanding of the safe and efficient use of the tools and materials, then evaluate their finished product to enhance their learning.

Course Assessment: Design folio, Product, Evaluation report, Exam

Links to VCE Subjects: Product Design and Technologies

PRODUCT DESIGN & TECHNOLOGIES – TEXTILES (10PDT)

Students choosing to study Product Design & Technologies – Textiles should consider the following:

Extra-Curricular Contribution: There is an Extra-Curriculum Contribution of **\$77.00**

Subject Description

The focus of this elective is to develop sewing machine skills and learn conventional sewing techniques used to produce a piece of clothing. Students will make a pair of pyjama pants or shorts. They will trial other processes, such as knitting, crocheting, macrame and weaving, to analyse their suitability for a product. The major project will be to design and make a product for a small child. Students will develop their own design brief, design and make the product, then evaluate it.

Course Assessment: Design folio, Products, Evaluation report, Exam

Links to VCE Subjects: Product Design and Technologies

PRODUCT DESIGN & TECHNOLOGIES – WOOD (10PDW)

Students choosing to study Product Design & Technologies – Wood should consider the following:

Extra-Curricular Contribution: There is an Extra-Curriculum Contribution of **\$77.00**

Subject Description

Students build a small timber cabinet using the processes of laminating timber using biscuit joints, housing joints to hold shelves and using floating tenon joints cut with a Domino cutter. They are required to modify an existing cabinet design by working through the Design Process and including style elements from a major design movement of the 20th century, documenting their design using various drawing techniques. The design of their cabinet should suit the specific needs of an end-user. Students develop an understanding of the safe and efficient use of the tools and then evaluate their cabinet to enhance their learning.

Course Assessment: Design folio, Production, Self-evaluation of the design process and finished products and Exam

Links to VCE Subjects: Physics, Product Design and Technologies and Systems Engineering

SYSTEMS ENGINEERING (10SYS)

Students choosing to study Systems Engineering should consider the following:

Curriculum Contribution: There is a Curriculum Contribution of **\$77.00**

Subject Description

In this Year 10 elective, students will explore the world of electronics, coding and robotics. Using the Arduino Uno kit and a range of sensors, students will learn how to build and program simple autonomous electronic systems. They will also develop hands-on engineering skills by constructing basic machines with robotic kits to complete set tasks.

Following the Design Process, students will design and create an electromechanical product that meets the needs of a specific end-user. They will document their ideas, planning and progress in a design folio and evaluate their final product to reflect on their learning. Safe work practices and the use of tools, materials and equipment are a key focus throughout the major project.

Course Assessment: Moustrap Racers, Autonomous Robotic Retrieval, Sorting Machine, Exam

Links to VCE Subjects: Systems Engineering

DIGITAL TECHNOLOGIES

APPLIED PROGRAMMING AND GAMING (10DTA)

Students choosing to study Applied Programming and Gaming should consider the following:

Subject Description

This unit is intended to develop students' understanding of the concepts of structured programming and game development. Programming is taught using languages such as Visual Basic and Python. Students will learn about algorithms and then develop these to create applications. Topics covered also include program design, naming conventions and error checking techniques. Drone programming using drag and drop coding provides students with a hands-on experience in which they can demonstrate the knowledge that they develop. The game development component of the course allows students to design, develop and test their own games using packages such as Game Maker, Godot and Unity.

Course Assessment: Work folio, Theory tasks, Skill Practice Task (end of Semester)

Links to VCE Subjects: Applied Computing Unit 1 and Unit 2 (Year 11), Data Analytics Unit 3 and Unit 4 (Year 12) or Software Development Unit 3 and Unit 4 (Year 12)

ENGLISH

LITERATURE (10ENL)

Students choosing to study Literature should consider the following:

Curriculum Contribution: There is a Curriculum Contribution of **\$20.00**

Subject Description

Year 10 Literature offers students an opportunity to experience what VCE Literature is like. There is a focus on language use and close analysis of texts. At the end of the unit, students may decide if they wish to continue onto VCE Literature. It requires students to make a detailed study of the main literary forms and to work to develop their literary skills of appreciation and expression through a close regarding of various texts.

Extended Fiction: A detailed study of one core play with an emphasis on the importance of structural elements to create meaning, including point-of-view, language elements, characterisation and interpretation.

Poetry: A range of poetic forms including narrative, blank verse and sonnet. An emphasis is placed on how to comprehend the link between poetic form and meaning.

Short Story and Selected Passages: A focus will be placed on the interrelationship between form, style and meaning.

Texts studied include Shakespeare's *Macbeth* and a collection of selected passages and poetry from the canon through to contemporary texts and interpretations.

Course Assessment:

Creative responses, contribution to class discussion and analytical responses to various texts.

Links to VCE Subjects: English and Literature

FOOD STUDIES

BAKER'S TOOLKIT (10FSB)

Students choosing to study Baker's Toolkit should consider the following:

Extra-Curricular Contribution: There is an Extra-Curricular Contribution of **\$132.00**

Pre-Requisite/s: While it would be beneficial to have completed Year 9 Food Studies, this is not compulsory.

Subject 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:

- Design tasks
- Product Comparison Evaluations
- Investigation Tasks
- Exam

Links to VCE Subjects: Food Studies

EXPLORING THE MENU (10FSM)

Students choosing to study Exploring the Menu should consider the following:

Extra-Curricular Contribution: There is an Extra-Curricular Contribution of **\$132.00**

Pre-Requisite/s: While it would be beneficial to have completed Year 9 Food Studies, this is not compulsory

Subject 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 tasks
- Product Comparison Evaluations
- Investigation Tasks
- Exam

Links to VCE Subjects: Food Studies

FOOD FOR LIFE (10FSL)

Students choosing to study Food for Life should consider the following:

Extra-Curricular Contribution: There is an Extra-Curricular Contribution of **\$132.00**

Subject Description

This course is well suited for students pursuing the VCE VM pathway and provides them with the opportunity to develop and refine practical food preparation skills while exploring the relationship between food, nutrition and health.

Students will investigate safe and hygienic food handling practices, healthy eating principles, nutrition and digestion and apply the design process in the planning, preparation and evaluation of a range of food products. A focus will be placed on developing everyday life skills, including basic budgeting, meal planning, informed food choices and independence in the kitchen.

Course Assessment:

- CAT 1 – Hygiene and safety
- CAT 2 – Design Process
- EXAM – Practical exam and evaluation

Links to VCE Subjects:

VCE VM Food Studies

HUMANITIES

Humanities is a compulsory unit, so all students must select one of these subjects to study in Year 10. This learning area incorporates Geography, History, Economics and Business, Civics and Citizenship. VCE Humanities options include: History, Geography, Philosophy, Business Management and Legal Studies. Students may choose additional electives within the Humanities Domain if they wish.

CONFLICT AND CRISIS (10HUH)

Students choosing to study Conflict and Crisis should consider the following:

Subject Description

In this elective, which explores History, students will investigate and analyse some of the major conflicts and crises of the Twentieth Century, including World War II, the Civil Rights Movement and the Power of the Teenager.

Course Assessment: Excursions, Classwork, Research Tasks, Exam

Links to VCE Subjects: History and Philosophy

CRIME AND JUSTICE (10HUL)

Students choosing to study Crime and Justice should consider the following:

Subject Description

In this elective, which explores Civics and Citizenship, students will analyse the Australian Constitution including the role of Australia as part of the United Nations. Students will explore our legal system by examining the court hierarchy, civil and criminal law and the jury system.

Course Assessment: Excursions, Folio Work, Exam

Links to VCE Subjects: Legal Studies

END OF THE WORLD? (10HUG)

Students choosing to study End of the World? should consider the following:

Subject Description

This elective prepares students with the geographic skills and knowledge to be successful global citizens. Are you an optimist or pessimist? What is the future of the Earth? The world and its population are facing challenges like never before. Will we adapt, thrive or perish? Students will study the impacts of disease, natural disasters, environmental pressure, rich and poor, crime, well-being and happiness and their interconnection with the world. Your future, employment, family, health and lifestyle may depend on your perspective.

Course Assessment:

Excursion Fieldwork, Research Task, Exam

Links to VCE Subjects:

Geography, Health and Human Development, Outdoor and Environmental Studies

INTRODUCTION TO BUSINESS (10HUB)

Students choosing to study Introduction to Business should consider the following:

Subject Description

This elective looks at the management of small businesses in Australia. Management involves planning, organising, leading and making decisions that 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

Links to VCE Subjects: Business Management

LANGUAGES

Note: Students that wish to study German must complete it for the whole year. It will take up two of the six elective units.

GERMAN (10GER)

Students choosing to study German should consider the following:

Pre-Requisite: Year 9 German

Subject Description

The four language skills of reading, writing, listening and speaking will be improved upon and extended by students in German in Year 10. A variety of challenging tasks will be set to further expose students to grammar structures and new vocabulary. Students will enhance their intercultural knowledge and awareness of language as a system.

Course Assessment: A variety of writing and speaking, listening and reading comprehension tests and end of Semester exams.

Links to VCE Subjects: German

MATHEMATICS

The study of Mathematics is compulsory at Years 7-10. All students in Year 10 study Mathematics for the entire year, at the level that has been recommended by their teacher. Some students may also be recommended for VCE General Mathematics in addition to Year 10 Mathematics Methods.

APPLIED MATHEMATICS (10MAA)

Students choosing to study Applied Mathematics should consider the following:

Pre-Requisite: Teacher recommendation

Subject Description

A Mathematics course designed to support students in improving their numeracy skills. The topics include working with a Calculator, Whole Numbers, Fractions, Decimals, Percentages, Everyday Finance 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. This subject will prepare students for VCE VM Numeracy only, it does not prepare students for any VCE Mathematics studies.

Course Assessment:

- Skills practice and standard applications
- Problem Solving and Modelling
- Projects

Links to VCE Subjects:

VCE VM Numeracy and VCE Foundation Mathematics.

MATHEMATICS GENERAL (10MAG)

Students choosing to study Mathematics General should consider the following:

Pre-Requisite: Teacher recommendation

Subject Description

This comprehensive Mathematics course caters for students wishing to proceed to General Mathematics at VCE Units 1 and 2. It includes the following topics:

- Sequences and Financial Mathematics
- Linear Equations and Graphs
- Measurement
- Networks
- Trigonometry
- Statistics

Course Assessment:

- Skills practice and standard applications
- Problem Solving and Modelling
- Projects
- Exams

Links to VCE Subjects: General Mathematics Units 1 and 2

MATHEMATICAL METHODS (10MAM)

Students choosing to study Mathematical Methods should consider the following:

Pre-Requisite: Teacher recommendation

Subject Description

A more advanced Mathematics course for students wishing to proceed to Mathematical Methods at VCE Units 1 and 2. It includes the following topics:

- Linear Functions
- Quadratic Functions
- Surds and Measurement
- Expanding, Factorisation and Simplification
- Indices, Logarithms and Exponential Functions
- Trigonometry
- Probability

Course Assessment:

- Skills practice and standard applications
- Problem Solving and Modelling
- Projects
- Exams

Links to VCE Subjects:

General Mathematics or Mathematical Methods Units 1 and 2 and/or Specialist Mathematics Units 1 and 2

PERFORMING ARTS

CREATIVE DANCE (10DAC)

Students choosing to study Creative Dance should consider the following:

Curriculum Contribution: There is a Curriculum Contribution of **\$22.00**

Subject Description

In Year 10 Creative Dance, students learn to express ideas and tell stories through movement and dance. Students create a purpose and intention for their own dance work and explore ways of communicating their intention by manipulating the different elements of movement (time, space and energy). They will explore ideas through improvisation and structured activities. Students will analyse how ideas are communicated in solo and group dance works, including musical theatre. Students will also learn a group dance and engage in rehearsal, pre-performance and performance practices.

Course Assessment:

- CAT 1 Analysis of Solo/Group Dance Work
- CAT 2 Learnt Dance work
- CAT 3: Group Choreography
- End of Semester Exam

Links to VCE Subjects: Dance

DANCE SKILLS (10DAS)

Students choosing to study Dance Skills should consider the following:

Curriculum Contribution: There is a Curriculum Contribution of **\$22.00**

Subject Description

In Year 10 Dance Skills, students build on their knowledge of the structure and function of the musculoskeletal system, safe dance practices and injury prevention. Students extend their technical dance skills in a range of genres and styles through improvisation and structured technique lessons. Students develop and extend their own movement vocabulary through choreographing their own dance individually or in small groups using the I.S.A.R.E. process (improvisation, selection, arrangement, refinement and evaluation). They also learn a group dance. Students engage in rehearsal, pre-performance and performance practices.

Course Assessment:

- CAT 1 Part 1: Functional Anatomy and Dance Injuries Test
- CAT 2 – Part 2: Functional Anatomy and Dance Injuries warm up
- CAT 2: Learnt Dance work
- CAT 3: Solo/Group Choreography
- End of Semester Exam

Links to VCE Subjects: Dance

KEYBOARD AND GUITAR (10MUK)

Students choosing to study Keyboard and Guitar should consider the following:

Subject Description

The focus of Keyboard and Guitar is to further students' skills as performers on their chosen instrument. The combination of instruments in the class will allow for unique group formation and performance opportunities of work selected by the students. Students will undertake a unit of work that introduces them to composition using Digital Audio Workstation software (DAW) and notation programs. They will study music theory which is relevant to their practical work.

Course Assessment:

- Group/solo performance
- Skill development on their instrument
- Study of contemporary music styles and theory
- Songwriting and composition
- Digital recording

Links to VCE Subjects: Music

MUSIC (10MUS)

Students choosing to study Music should consider the following:

Subject Description

In Music, students will extend their knowledge of music technology to create a range of creative audio projects and original recordings using Digital Audio Software. They will learn the fundamental skills of audio production using audio interface hardware, microphone types, recording techniques and equipment. Students will re-visit concepts from Grade 1 music theory and apply them to digital notation software creating legible and accurate music scores. Students will investigate the laws of copyright and their application within the music industry. Students will research and present a copyright infringement case study, which is to include court details, evidence and their conclusions. Students plan and work in groups to undertake a multi-track recording project, which involve rehearsing in small groups and as a class.

Course Assessment:

- Sound editing and Mashup audio project
- Class and small group performance
- Studio Recording and setting up a P.A.
- Songwriting and film scoring audio project
- Musical theatre and analysis
- Aural and ear training

Links to VCE Subjects: Music

SCENE OF THE CRIME – ACTING FOR THE CAMERA (10THA)

Students choosing to study Scene of the Crime – Acting for the Camera should consider the following:

Subject Description

Immerse in the world of crime drama, focusing on acting techniques specifically for film and television. You will explore character, tension and storytelling through the lens of the crime genres such as Detective Noir, Verbatim Theatre, Docudrama and True Crime. Through practical workshops and filmed performance tasks, you will learn how to adapt your acting for the camera using voice, movement, facial expression and camera awareness.

Course Assessment:

- Major Ensemble & Solo Performance
- Analysis and Evaluation of Ensemble Performance task
- Script Analysis and Performance Tasks.

Links to VCE Subjects: VCE Theatre Studies

PHYSICAL EDUCATION

- **Note: A maximum of two PE subject electives can be completed, 1 subject per Semester** (these 2 PE subjects can be in addition to Outdoor Education).
- **EXCEL Sport will comprise 2 units of study – one in each Semester.** Students in EXCEL Sport may choose a third PE Elective if they wish to.

EXCEL SPORT (10PEX)

Students choosing to study EXCEL Sport should consider the following:

Extra-Curricular Contribution: There is an Extra-Curricular contribution of **\$507.00**

Subject Description

This course is a continuation of the EXCEL Sport program offered at Year 7, 8 & 9. It is a select entry program that offers the current EXCEL sport students the opportunity to further enhance their individual sporting aspirations. The students will complete a Certificate II in Sports Coaching and be mentored in leadership, coaching and working collaboratively. Through participation in the practical component, students will focus on analysing how the body works to maximise performance in physical activity. Students will also be introduced to the theory components of Physical Education in preparation for VCE PE/VET Certificate III in Sport and Recreation. Units include motor skill development, strength and conditioning, talent identification, OHS, first aid, officiating skills and coaching.

Course Assessment:

Skill development and teamwork, satisfactory completion of Certificate II in Sports Coaching, theory assignments.

Links to VCE Subjects: Physical Education and VET Sport and Recreation

FITNESS FOR LIFE (10PEF)

Students choosing to study Fitness for Life should consider the following:

Subject Description

This unit is designed for students who are serious about improving their fitness levels. Students will participate in individually designed training programs with the aim of improving their health-related fitness across a range of components. Students will be introduced to training methods and principles and they will learn how to use the gym safely to build their capacity and motivation to participate in fitness activities for the long term. Students will also be introduced to theory components in preparation for VCE Physical Education. Through participation in both theoretical learning and practical application, students will look to develop knowledge and understanding of Skill Acquisition & Feedback, Chronic Adaptations to Exercise, Muscular-Skeletal and Cardio-Respiratory Systems, Enablers and Barriers to exercise, Biomechanics and Health Promotion / Physical Activity Plans.

Course Assessment - Practical component:

- Gym Safety
- Training Methods and Principles
- Fitness Components

Course Assessment - Theoretical component

- **Semester 1:** Fundamentals of Weight training (CAT: Practical & Reflection Lab), Muscular - Skeletal Systems (CAT: Test), Enabler and Barriers to exercise (CAT: Case study analysis)
- **Semester 2:** Fundamentals of Weight training (CAT: Practical & Reflection Lab), Biomechanics (CAT: Practical Lab & Reflection), Cardiorespiratory system (CAT: Test)

Links to VCE Subjects: Physical Education

PHYSICAL EDUCATION (10PED)

Students choosing to study Physical Education should consider the following:

Subject Description

This unit is designed to provide students with a range of physical activities and to extend students' abilities from sports such as AFL, Rugby (Union and League), Soccer, Netball and Volleyball. Both offensive and defensive skills will be covered as well as tactical play, skills, positional play, game planning, rules, conditioning and umpiring for each sport. Students will also cover a range of lifestyle activities, which may include Yoga, Pilates, Golf and a variety of other recreational activities. The aim of the practical component of the subject is to improve health related outcomes and encourage students to become more involved in future lifelong physical activity. Students will also be introduced to theory components in preparation for VCE Physical Education. Through participation in both theoretical learning and practical application, students will look to develop knowledge and understanding of Skill Acquisition & Feedback, Chronic Adaptations to Exercise, Muscular-Skeletal and Cardio-Respiratory Systems, Enablers and Barriers to exercise, Biomechanics and Health Promotion / Physical Activity Plans.

Course Assessment - Practical component:

- Practical Skill and Game Sense Development
- Playing Fairly and Collaborating in Teams
- Refereeing and Coaching

Theoretical component

- **Semester 1:** Skill acquisition & feedback -Netball (CAT: Practical & Reflection Lab), Muscular - Skeletal Systems (CAT: Test), Enabler and Barriers to exercise (CAT: Case study analysis)
- **Semester 2:** Skill acquisition & feedback - Netball (CAT: Practical & Reflection Lab), Biomechanics (CAT: Practical Lab & Reflection), Cardiorespiratory system (CAT: Test)

Links to VCE Subjects: Physical Education

TEAM SPORTS (10PET)

Students choosing to study Team Sports should consider the following:

Subject 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 also be introduced to theory components in preparation for VCE Physical Education. Through participation in both theoretical learning and practical application, students will look to develop knowledge and understanding of Skill Acquisition & Feedback, Chronic Adaptations to Exercise, Muscular-Skeletal and Cardio-Respiratory Systems, Enablers and Barriers to exercise, Biomechanics and Health Promotion / Physical Activity Plans.

Course Assessment - Practical Component

- Practical Skill and Game Sense development in Volleyball
- Practical Skill and Game Sense development in Ultimate Frisbee
- Playing Fairly and Collaborating in Teams

Course Assessment - Theoretical Component

- **Semester 1:** Skill acquisition & feedback -Volleyball (CAT: Practical & Reflection Lab), Muscular - Skeletal Systems (CAT: Test), Enabler and Barriers to exercise (CAT: Case study analysis)
- **Semester 2:** Skill acquisition & feedback - Volleyball (CAT: Practical & Reflection Lab), Biomechanics (CAT: Practical Lab & Reflection), Cardiorespiratory system (CAT: Test)

Links to VCE Subjects: Physical Education

OUTDOOR EDUCATION (10OES)

Students choosing to study Outdoor Education should consider the following:

Extra-Curricular Contribution: There is an Extra-Curricular contribution of **\$350.00**

Subject Description

This unit aims to build on students' theoretical and practical knowledge of the outdoor environment in a lead up to VCE Outdoor Education. Practical activities include cycling in the local area, an overnight surf camp in the Bass Coast region, a high ropes course in Belgrave and an indoor rock climbing and bouldering experience. The course focuses on theoretical work and practical skills including camp cooking, meal preparation, minimal impact practices, natural environments and the impacts of humans on these areas.

Course Assessment:

- camp preparation (practical and theory based)
- camp reflection
- investigation into impacts of human on natural environments
- end of semester exam

Links to VCE Subjects:

Geography, Outdoor and Environmental Studies

SCIENCE

Science is a compulsory unit, so all students must select one of these subjects to study in Year 10. This learning area incorporates Biology, Chemistry, Physics and Psychology. Students may choose additional electives within the Science Domain if they like.

BIOLOGY (10SCB)

Students choosing to study Biology should consider the following:

Subject Description

Year 10 Biology explores the living world around us. In this subject, students learn about DNA, patterns of inheritance and the theory of evolution. They will learn how adaptations can assist in the survival of organisms and about the different interactions that can be observed in ecosystems. Students will have the opportunity to develop their scientific skills, including experimental design, scientific research and data analysis. If you have an interest in the living world around you, Biology is the subject for you.

Course Assessment:

Book work, Logbook, Student-led extended practical investigations, Media analysis, Topic tests, Exam

Links to VCE Subjects: Biology

CHEMISTRY (10SCC)

Students choosing to study Chemistry should consider the following:

Subject Description

Year 10 Chemistry is a Semester long subject that focuses on students looking at the influence of Chemistry in everything around them. Students will learn about the atomic structure and how elements are arranged in the periodic table, enabling us to make a range of everyday products. They will also explore types of chemical reactions, hydrocarbons, polymers, acids and bases. The students will work collaboratively throughout the Semester to design experiments that focus on developing appropriate laboratory and scientific skills such as experimental design, data collection and analysis. They will also build on their knowledge of the basic principles of the method. If you have an interest in “chemistry” and love hands-on science, this is the subject to choose.

Course Assessment:

Book work, Logbook, Student-led extended practical investigations, Media analysis, Topic tests, Exam

Links to VCE Subjects: Chemistry

ENVIRONMENTAL SCIENCE (10SCE)

Students choosing to study Environmental Science should consider the following:

Subject Description

In this unit, students explore how Earth is made up of four connected systems: the atmosphere (air), biosphere (living things), hydrosphere (water) and lithosphere (land). They learn how these systems work together, how they naturally change over time and how they respond to disturbances. Students investigate how human activities affect the environment at both local and global levels. Key topics include biodiversity, pollution, food and water security, climate change and the flow of energy through living systems (such as how plants and animals get and use energy).

Students take part in hands-on learning and may engage in fieldwork to investigate local environmental issues, giving them a chance to apply their knowledge outside the classroom.

Students explore real-world environmental issues and case studies and consider how different perspectives, values and rules influence decisions about managing the environment and planning for a sustainable future.

Course Assessment:

Book work, Logbook, Student-led extended practical investigations, Media analysis, Topic tests, Exam

Links to VCE Subjects: Biology, Environmental Science

PHYSICS (10SCP)

Students choosing to study Physics should consider the following:

Subject Description

Physics explores the study and explanation of “Our Physical World”. Within this subject the students cover a range of topics which explain the function of many parts of our everyday life such as, electric circuits and their use within our homes, magnets and magnetic fields relating to the operation of DC and AC motors, energy flow and energy transfer in relation to our warming Earth, the laws of motion which underpin the study of traffic and collisions and radioactivity in terms of nuclear medicine and power generation. Students also work independently and collaboratively developing laboratory skills for data collection, analysis and interpretation, relating their findings to the real world. The investigations will culminate in an Extended Practical Investigation towards the end of the Semester, in a topic of their choice, allowing the students to ‘dive in deep’ and show their understanding and learnings of a Physics principle

Course Assessment:

Book work, Logbook, Student-led extended practical investigations, Media analysis, Topic tests, Exam

Links to VCE Subjects: Physics

PSYCHOLOGY (10SCY)

Students choosing to study Psychology should consider the following:

Subject 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 the brains influence on our behaviour. We explore how your attitudes and personality are formed and what makes you “You”. If you have an interest in Psychology this is the place to start.

Course Assessment:

Visual presentations, Empirical research activities, Research tasks, Exam

Links to VCE Subjects: Psychology

VISUAL ARTS

ART (10VAA)

Students choosing to study Art should consider the following:

Curriculum Contribution: There is a curriculum contribution of **\$65.00**

Subject Description

This unit 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.

This unit 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.

Course Assessment: Folio, Workbook, Assignments

Links to VCE Subjects: Art Creative Practice

MEDIA (10VAM)

Students choosing to study Media should consider the following:

Extra-Curricular Contribution: There is an extra-curricular contribution of **\$60.00**

Subject Description

In Media, students will make and respond to Media Art forms such as film, news reports, documentary, advertisement, music video, animation, video games, graphic novels, photography based media and/or a combination of these. Students will explore both still photography, including digital and dark room practices and film making techniques and processes. Students will learn how forms, styles and contexts of media artworks are shaped by histories, purpose, traditions and communications technologies. They produce artworks in narrative and non-narrative forms that reach audiences through specific media context that may include radio, print, cinema, television, internet, mobile devices or new and emerging contexts.

Course Assessment:

Visual Diary, finished artworks and theory

Links to VCE Subjects: Art Creative Practice, Visual Communication Design

VISUAL COMMUNICATION DESIGN (10VAV)

Students choosing to study Visual Communication Design should consider the following:

Extra-Curricular Contribution: There is an extra-curricular contribution of **\$55.00**

Subject Description

This unit encourages students to further their 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, Assignments

Links to VCE Subjects: Art Creative Practice, Visual Communication Design

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