



Pakenham
SECONDARY COLLEGE

Year 9
2016

Student Course Selection Handbook

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CURRICULUM MAP – YEAR 9

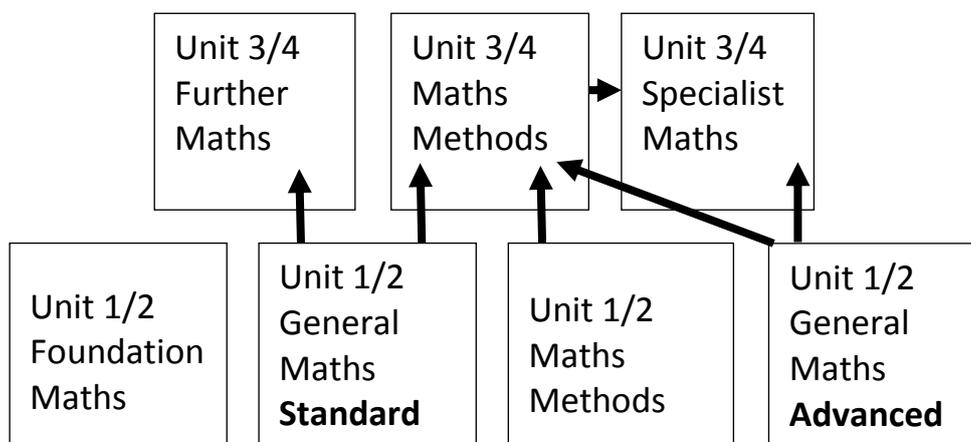
In Year 9 all students will study the following subjects:

English	4 periods per week
Mathematics	4 periods per week
Science	3 periods per week
Humanities	3 periods per week
Health and P.E.	2 periods per week
Electives	4 periods per week

Students must choose two electives from Arts, Technology, Health and Physical Education. Students can only choose one elective per learning area. NOTE: Students who wish to study L.O.T.E. (French) must select this for Semester 1 and are then removed from class for 2 X 35 minute sessions in Semester 2 for conversation practice. The timing of these sessions will be rotated throughout the semester to avoid missing the same classes each week.

Many of these electives incur a subject fee due to the materials used by the students in these programs. Payment of these fees is required for the subject to be confirmed in the student's program. Costs associated with each elective are stated in the subject description included in this booklet.

Mathematical Pathways at Pakenham SC



**All VCE
Mathematics
require CAS
(Casio)**

Year 10
Maths

Year 9
Maths

Year 8
Maths

Year 7
Maths

**All Years 7 – 10 Mathematics units require a scientific calculator
We recommend the Texas Instrument Ti 30XB**

Please Note – Units 1/2 General Maths Advanced (GMA) and Units 3/4 Specialist Maths cannot be taken without also studying the corresponding Maths Methods. Due to the high level of Mathematics involved, selection for GMA/Specialist is subject to approval by the Maths KLA Leader who will consider the past academic performance of the student. Students may choose Maths Methods without being required to select the corresponding GMA/Specialist Units. General Maths Advanced cannot be studied at the same time as General Maths Standard.

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NAME: English	
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Course Description:

The English Curriculum is built around the three interrelated strands of Language, Literature and Literacy. The teaching and learning programs will balance and integrate all three strands. Together the strands focus on developing students' knowledge, understanding and skills in listening, reading, viewing, speaking, writing and creating. In Year 9 students engage with a variety of literary texts designed for enjoyment and to inform and persuade. These incorporate various types of media texts, including newspapers, film and digital texts, fiction, non-fiction, poetry, dramatic performances and multi modal texts. Students develop a critical understanding of the issues and themes explored in these texts.

Students will be exposed to Australian and contemporary literary texts which will explore the themes of human experience and cultural significance, interpersonal relationships and global dilemmas within real-world and fictional settings. Language features will include the study of complex sentences with embedded clauses, unfamiliar and technical vocabulary, figurative language and analysis of visual forms.

Areas of Study:

- Reading and Responding to Texts
- Language Analysis
- Speaking and Listening
- Writing Folio
- Spelling, Punctuation and Grammar
- Literature

Link to VCE Subjects:

English Units 1 to 4

Literature Units 1 to 4

Foundation English Units 1 and 2

Contact Person:	Mrs S. Kumar
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NAME: Mathematics	
Course Description: Students will learn new concepts, improve skills and develop problem solving techniques to use and apply to various mathematical activities and real world problems. They will develop skills in the use of scientific calculators, allowing them to interpret and represent numbers using powers, as well as use the statistical functions and trigonometric functions. They will choose appropriate technology to assist with computations necessary to solve numerical problems.	
Areas of Study: <ul style="list-style-type: none">• Real Numbers• Money and Financial Mathematics• Patterns and Algebra• Linear and Non-linear Relationships• Using Units of Measurement• Geometric Reasoning• Pythagoras & Trigonometry• Chance• Data Representation and Interpretation	
Link to VCE Subjects: Foundation Mathematics Units 1 and 2 General Mathematics Standard Units 1 and 2 General Mathematics Advanced Units 1 and 2 Mathematical Methods Units 1 - 4 Specialist Mathematics Units 3 and 4	
Contact Person:	Mrs Y. Dunbar

NAME: Science	
Course Description: <p>In Year 9, students learn to explain chemical processes and natural radioactivity in terms of atoms and energy transfers and describe examples of important chemical reactions. They learn to describe models of energy transfer and apply these to explain phenomena. They explain global features and events in terms of geological processes and time scales. They analyse how biological systems function and respond to external changes with reference to interdependencies, energy transfers and flows of matter. They describe social and technological factors that have influenced scientific developments and predict how future applications of science and technology may affect people's lives.</p> <p>Students design questions that can be investigated using a range of enquiry skills. They design methods that include the control and accurate measurement of variables and systematic collection of data and describe how they considered ethics and safety. They analyse trends in data, identify relationships between variables and reveal inconsistencies in results. They analyse their methods and the quality of their data and explain specific actions to improve the quality of their evidence. They evaluate other methods and explanations from a scientific perspective and use appropriate language and representations when communicating their findings and ideas to specific audiences.</p>	
Areas of Study: <ul style="list-style-type: none">• The Nature of Science• Responding to the World• Inside the Atom• Chemical Change• Systems of Life• Movements of the Earth's Surface• Energy on the Move	
Link to VCE Subjects: Biology Units 1 to 4 Chemistry Units 1 to 4 Physics Units 1 to 4 Psychology Units 1 to 4	
Contact Person:	Mr A. Lim

NAME: Humanities

Course Description:

The study of Humanities at Year 9 encompasses the disciplines of History, Geography, Economics and Civics and Citizenship (Legal Studies and Politics).

In History and Civics students will investigate the movement of people to Australia and its effects, from white settlement in 1788 to the end of the First World War in 1918. This will include examining new ideas and technological developments and their impact on the living conditions of Australians during that time. Students will explore how Australia has developed its social, political, legal and cultural structures and traditions, as well as the Indigenous cultures from pre-European settlement to today, to understand the impression that European colonisation had on our country. Through their participation in a national competition on the meaning of the 'Spirit of ANZAC', students will also examine the causes of the First World War, its impact on Australia socially and culturally and the significance of the war to this day.

In Geography students study biomes and food security, including the challenges to food production, such as land and water degradation, shortage of fresh water, competing land uses and climate change. Another area of study is the Geographies of Interconnectedness, which is the way places and people are interconnected with other places and people through trading goods and services.

Students will also learn how the economy can affect the everyday life of individuals in terms of employment, economic growth, the use of resources, exports and imports and ecological sustainability. They will take part in a 'Stock Market Game' against students from schools across Australia. Finally, students will explore their career potential, by identifying their skills, abilities and personal traits; they will learn to set career goals and write letters of application and a resume that suits their ambitions.

Areas of Study may include:

- Careers
- Politics: Choosing a Government
- World War 1
- Biomes and Food Security
- Geographies of Interconnectedness
- Economics
- How Our Legal System Works

Link to VCE Subjects:

Accounting Units 1 to 4
Economics Units 1 to 4
History Units 1 to 4
Sociology Units 1 to 4

Business Management Units 1 to 4
Geography Units 1 to 4
Legal Studies Units 1 to 4

Contact Person:

Mr D. Telford / Mrs M Scheiwiller



Shrine of Remembrance Year Nine History Excursion

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NAME: Health & Physical Education	
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Course Description:

In Year 9 Health and Physical Education, students will participate in both practical and theoretical classes. During practical classes, the development of skills and movements, required for successful participation in a series of team sports, is an area of focus. Students will also enhance their understanding of the rules and guidelines required for successful gameplay by undertaking various roles and responsibilities within each sport.

The Health program at Year 9 encourages students to participate in discussion and enhance their knowledge of the various topics discussed, by applying their understanding to real life scenarios. They investigate risk taking behaviours and take an in-depth look at road safety and initiatives that have been introduced in an attempt to reduce the road toll. Students examine health related fitness components and apply this understanding through the development of a fitness circuit related to specific fitness components. They look at national health issues and investigate the factors which influence food choices and healthy lifestyle decisions. Finally, students will explore adolescent health issues and further enhance their knowledge of relationships and sexuality.

Areas of Study:

- Badminton
- Lacrosse
- Athletics
- Softball
- Outdoor Recreation
- Adolescent Health Issues
- Health and Skill Related Fitness
- Improving Performance
- Risk Taking Behaviours and Road Safety

Link to VCE Subjects:

Health and Human Development Units 1 to 4

Physical Education Units 1 to 4

Outdoor Education Units 1 to 4

Contact Person:	Mr. B. Matthews
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ELECTIVES – FRENCH

NAME: L.O.T.E. (French)	
Course Description: <p>The L.O.T.E. Pathway 2 Curriculum is built around the two interrelated strands of Communicating in a Language Other Than English and Intercultural Knowledge and Language Awareness. The teaching and learning programs will consolidate previously learnt language and extend students' personal vocabulary and knowledge of language structures. They introduce themselves, greet and farewell others using the appropriate register and reproduce modelled use of language. Students exchange simple information on topics, such as daily routines and aspects of their world. They talk about themselves in response to questions and ask further questions in response. Students read, view, or listen to a range of multi-modal texts and extract basic factual information on defined topics. They collect information about the settings, countries and regions where the language is spoken and analyse the cultural conventions of these countries in comparison to their own. Students develop a deep understanding of the close relationship between language and cultural conventions, by using appropriate language and levels of respect in different social circumstances that reflect the relationship between the speakers involved. They gain an understanding of diverse views and beliefs within a different cultural community.</p>	
Areas of Study: <ul style="list-style-type: none">• Viewing, Listening and Reading French Texts• Speaking French in Everyday Social Situations• Creative Cultural Research Folio• Writing Folio• French Immersion Excursion	
Link to VCE Subjects: L.O.T.E. Units 1 to 4	
Contact Person:	Mrs Deborah Kielnhofer

ELECTIVES – THE ARTS

NAME: Creative Art	COST: \$70.00
Course Description: During this subject, students will develop a range of fine art techniques for 2D and 3D art forms including drawing, painting, printmaking and sculpture. Students will use their folio to explore composition, design, research, reflection and analysis of art works. They will be expected to visit the National Gallery of Victoria, participate in a lecture given by an education guide, explore exhibitions at the Gallery and view street art in Hosier Lane. Students will display their finished art works at the end of the semester in an exhibition.	
Areas of Study: <ul style="list-style-type: none">• Drawing• Painting• Printmaking• Sculpture• Analysing Art and Artists	
Link to VCE Subjects: Studio Arts Units 1 to 4	
Contact Person:	Ms. E. Schinzig



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NAME: Digital Photography	COST: \$60
<p>Course Description:</p> <p>Students will learn the operation and function of digital cameras in the production of a folio of digital prints, including studio photography, landscapes and portraits and creative digital manipulation using cool effects with Adobe Photoshop. Students will attend photographic excursions to the city and will participate in a creative and fashion lighting workshop. They will learn the elements of design and composition and will study other artists to further understand photographic studio practice. There will be a number of tutorials in Adobe Photoshop, which is the industry standard software in the correction, manipulation and publication of photographs.</p>	
<p>Areas of Study:</p> <ul style="list-style-type: none"> • Photoshop • Using the Digital Camera • Photography in the City • Composition and Design • Folio • Photographic Studio Practice 	
<p>Link to VCE Subjects:</p> <p>Studio Arts Units 1-4 (Digital Photography)</p>	
Contact Person:	Mr R. Sartain

NAME: Music Performance	COST: \$50
<p>Course Description:</p> <p>During the semester, students will focus on developing their skills in Music Performance, as well as furthering their fundamental theoretical knowledge and understanding. Music Performance is broken into two streams, individual technical work to develop skills on each student's chosen instrument and band performance where students are required to perform songs of their choice. Students will undertake a musical works analysis, listening analysis and practice journal. At the end of the semester, students organise and perform in a musical showcase.</p>	
<p>Areas of Study:</p> <ul style="list-style-type: none"> • Technical Assessment • Theory Unit • Listening Analysis • Band Performance • Practice Journal • Music Work Analysis 	
<p>Link to VCE Subjects:</p> <p>Music Performance Units 1 – 4</p> <p>Music Investigation Units 3 and 4</p>	
Contact Person:	Mr D. Doyle

NAME: Visual Communication Design	COST: \$ 60
Course Description: <p>Students will explore the basics of freehand drawing and rendering; instrumental and electronic drawing will enable students to draw objects in three dimensions. The design principles and elements will reinforce skills in the design process, which encourages students to creatively design for the individual needs of a client.</p>	
Areas of Study: <ul style="list-style-type: none"> • Instrumental Drawing • Design Process • Freehand Drawings • Design Principles and Elements • Computer Generated Images. 	
Link to VCE Subjects: <p>Visual Communication and Design Units 1 to 4</p>	
Contact Person:	Mr R. Sartain

ELECTIVES – HEALTH AND PHYSICAL EDUCATION

NAME: Personal Power and Training	COST: \$60
Course Description: <p>Are you interested in fitness? Do you want a future in the fitness industry working in gymnasiums or personal training? Then Personal Power and Training is for you! You will learn the knowledge, skills and behaviours to pursue these careers through the participation in weight training and running programs and other fitness activities. You will also learn about the muscles and bones in your body, nutrition and other factors that affect fitness. There are also opportunities to visit the MCG and sports museum, participate in a Wheelchair Sport Victoria program and visit local fitness facilities.</p>	
Areas of Study: <ul style="list-style-type: none">• Training Program• Nutrition• Fitness• Basic Anatomy and Physiology	
	
Link to VCE Subjects: <p>Health and Human Development Units 1 to 4 Physical Education Units 1 to 4</p>	
Contact Person:	Mr D. Blight

NAME: Outdoor Education	COST: \$300
Course Description: <p>The Year 9 Outdoor Education elective provides students with opportunities to be involved in a range of activities that teaches them recreational and research skills and preparation and planning for trips in a variety of land and water environments. Co-operative group work will be encouraged through a range of Outdoor Education activities that are water based (e.g. Snorkelling, Surfing) or land based (e.g. Walks, Orienteering, Climbing) dependent on weather. Such activities will be dependent on staff and student experience, activity cost and availability of equipment and resources. Assessment will be based on both theory and practical activities.</p>	
Areas of Study: <ul style="list-style-type: none"> • Planning Skills • Researching Varying Environments • Working in Teams and Groups • Map Reading 	
Link to VCE Subjects: <p>Outdoor and Environmental Studies Units 1 to 4</p> <p>Physical Education Units 1 to 4</p> <p>Geography Units 1 and 2</p>	
Contact Person:	Ms. C. Chesnut

NAME: Team Sports	COST: No cost
<p>Course Description:</p> <p>Have you ever thought you might like to learn more about coaching different sports or working in a team sport environment? Whether it is coaching, umpiring or managing, this elective may interest you. You will complete units of work, both practically and theoretically, on many different team sports and learn the rules, tactics and how to umpire and play. You will also get opportunities to coach school sport teams, both in interschool sports and clinic days with the local primary schools.</p>	
<p>Areas of Study:</p> <ul style="list-style-type: none"> • Coaching Skills and Tactics • Umpiring and Refereeing Techniques • Methods of Scoring and Record Keeping • Statistical Analysis 	
<p>Link to VCE Subjects:</p> <p>Health and Human Development Units 1 to 4</p> <p>Physical Education Units 1 to 4</p>	
Contact Person:	Mr. B. Matthews

ELECTIVES – TECHNOLOGY

NAME: Food Technology

COST: \$150

Course Description:

In this subject, students are introduced to a wide variety of foods that allow them to cater for different social occasions, from finger food to main meals and birthday cakes. Students study kitchen safety, hygiene and food handling skills and apply these practices to their practical lessons. Students investigate and produce cuisine from a range of different countries and explore their relevance for what we eat in Australia today.

Areas of Study:

- Catering for Others
- Food from Around the World
- Design Process
- Kitchen Hygiene and Safety in the Kitchen



Link to VCE Subjects:

- Food Technology Units 1-4

Contact Person:

Ms H. Southgate

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NAME: Year 9 Fashion

COST: \$ 50.00

Course Description:

This unit offers students the opportunity for self-expression, through the construction of several projects, including a backpack, a hooded jacket and a garment of their choice, for which they will be required to purchase a pattern and fabric from Spotlight. Students will be introduced to sewing techniques and instructions, which will enable them to complete their projects. They will be required to follow a series of design briefs, which will encourage them to think about and create their own designs and drawings. Students will also learn to revise the construction and success of their garments through detailed evaluation and self assessment.

Areas of Study:

- Introduction to course
- Introduction to commercial sewing patterns:
Placement of pattern and fabric
Cutting out of garment
- Construction of garments:
Using a sewing machine and other equipment
- Revision of construction and evaluation of outcomes
- Students will complete a series of design assignments throughout the semester



Link to VCE Subjects:

- VET Fashion
- Design Technology Units 1-4

Contact Person:

Mrs R. Gramc

NAME: Information Communication Technology (ICT)	COST:\$25
<p>Course Description:</p> <p>This course will give students a functional knowledge of computer programs, such as MS Office suite and will provide students with knowledge, skills, processes and understanding of Information Technology. The study of this course will contribute to the general education of students and is not just for those intending to pursue further study in the ICT area.</p>	
<p>Areas of Study:</p> <ul style="list-style-type: none"> • Microsoft Office - Word, Excel, PowerPoint • Issues in ICT (Social Networking, Cyber Safety and Privacy Settings) • Introduction to Web Design • Introduction to Computer Game Industry and Programming • Computer Hardware and Software 	
<p>Link to VCE Subjects:</p> <ul style="list-style-type: none"> • Units 1 to 4 Information Technology 	
Contact Person:	Mr B. James

NAME: Wood Technology

COST: \$80

Course Description:

During the semester students are engaged in theory and practical work. Students design and manufacture a product to meet the needs of a design brief. Students maintain a folio that records all aspects of the design process and other related theory.

Areas of Study:

- Design Process (Folio)
- Working with Hand Tools and Machines:
 - Marking and Measuring
 - Cutting and Shaping
 - Woodwork Joints
 - Decorative Techniques
- Evaluation of Product



Link to VCE Subjects:

- Design Technology Units 1-4
- VET Building and Construction

Contact Person:

Ms S. Sloan / Mr. L. Naidoo

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