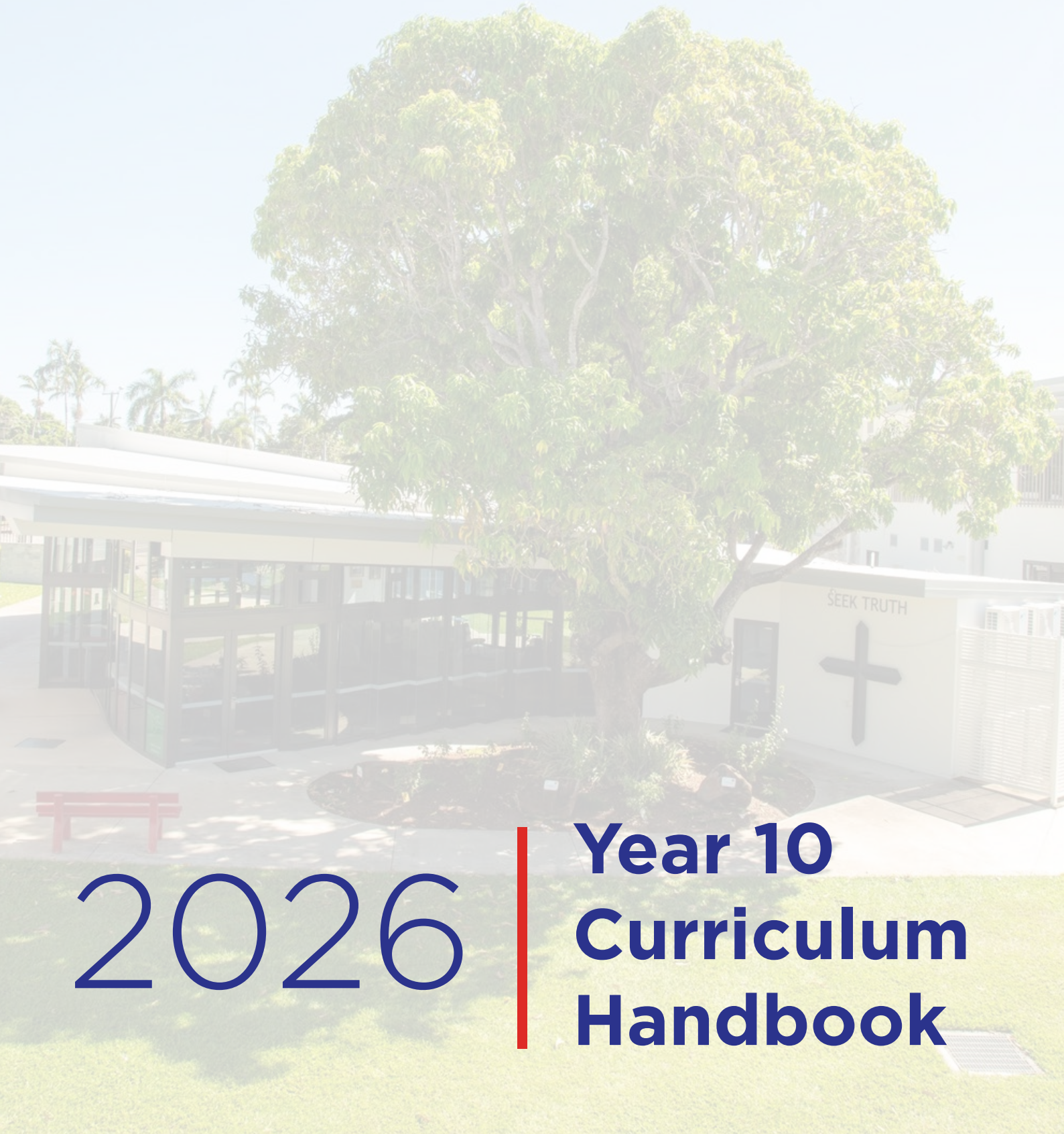
Ignatius Park College



2026 | Year 10 Curriculum Handbook

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SENIOR SUBJECTS – YEAR 10

Year 10 is a critical transition into the Senior Phase of Learning, preparing students for the challenges and opportunities that lie ahead. It serves as a crucial foundation for Year 11 and 12, providing students with valuable insights into the curriculum content and skills they will encounter in their senior years. At Ignatius Park College, our Year 10 program is designed to guide students in making informed decisions regarding their preferred career pathways and senior subject choices.

In Year 10, students enjoy greater flexibility in selecting their subjects. In addition to choosing Semester Elective subjects, our boys have the opportunity to explore subject offerings in the core learning areas of Mathematics, English, Religion, Science, and Health and Physical Education.

To support students in their academic and career planning, the Year 10 program guides students to develop a personalised Senior Education and Training Plan (SET Plan). This SET Plan documents their senior subject preferences, academic goals, and potential career pathways. This SET Plan process occurs throughout the year and involves a wide range of members from the extended College Community including Tertiary Institutions, the Australian Defence Force and Industry Representatives.

In Term 3, SET Plan Interviews are conducted, where students' Plans are reviewed by their parents/carers and key College staff. These interviews serve as an opportunity for all parties to discuss and reach agreements that enable students to pursue their academic and career goals.

YEAR 10 SUBJECTS ON OFFER

Students in Year 10 are required to choose **5 Core Subjects per semester** and **3 Elective Subjects per semester**.

Whilst **Core Subjects** are compulsory, students have choice to explore new subject offerings in the Key Learning Areas of Religious Education, English, Mathematics, Science and Health and Physical Education.

Some **Elective Subjects** will only run for one semester, whilst others can be studied for a full year.

Core Subjects (choose one from each column)

RELIGIOUS EDUCATION	ENGLISH	MATHEMATICS	SCIENCE	HEALTH & PHYSICAL EDUCATION	HUMANITIES
• Religion & Ethics • Study of Religion	• English	• General Mathematics • Mathematical Methods	• Chemistry & Physics/Biology & Psychology • Science in Practice	• Physical Education • Sport & Recreation • Fitness (Semester 2 only)	• *Economics • *Geography • *Legal Studies • Modern History

Elective Subjects (students study three electives per semester)

TECHNOLOGY	HOSPITALITY	INDUSTRIAL TECHNOLOGIES	LANGUAGES	MATHEMATICS	THE ARTS
• *Design • Digital Solutions • *Engineering Technologies – STEM Focus	• Food Technology	• *Graphics and Industrial Design • Industrial Technology Skills	• Japanese	• *Specialist Mathematics	• Drama • Film, Television & New Media • Music • Visual Art

* Subject can only be selected for one Semester.

CORE SUBJECT

Study of Religion

Why Study This Subject?

Spirituality and/or religions are almost universal phenomena through which people seek meaning in their lives. People are faced with a host of world views which influence them. Australian society places immense value on control and immediate solutions to what it sees as problems. By studying religion in a systematic and critical way, students may come to understand better its place in society, its history, the range of its forms and structures and the relationship it bears to other ways in which human beings attempt to explain themselves and the cosmos in which they exist.

If students do not wish to or cannot follow the more rigorous Study of Religion, then Religion and Ethics is compulsory at Ignatius Park College. Additionally, students who do not pass within the first Semester may be required to transfer to Religion and Ethics to maintain QCE eligibility.

Year Level / Unit:
10

Length:
Full Year

Recommended:
C Standard in Year 9 Religion

Assessment Techniques:
- Examination – extended response
- Examination – short response
- Investigation – inquiry response

Senior School Pathways:
- Study of Religion – General Subject

What do students study?

Study of Religion is the investigation and study of religious traditions and how religion has influenced, and continues to influence, people's lives. As religions are living traditions, a variety of religious expressions exist within each tradition. Religious beliefs and practices also influence the social, cultural and political lives of people and nations. Students become aware of their own religious beliefs, the religious beliefs of others, and how people holding such beliefs can co- exist in a pluralist society.

In this subject, students study the five major world religions of Judaism, Christianity, Islam, Hinduism and Buddhism as well as Australian Aboriginal spiritualities and Torres Strait Islander religion. These are explored through sacred texts and religious writings that offer insights into life, and the rituals that mark significant moments and events in the religion itself and the lives of adherents. Sacred texts, religious writings and rituals provide the foundations for understanding religious ethics and the ways religion functions in society and culture.

Throughout the course of study, students engage with an inquiry approach to learning about religions, their central beliefs and practices as well as their influence on people, society and culture. As a result, a logical and critical approach to understanding the influence of religion should be developed, with judgments supported through valid and reasoned argument. This contributes to the development of a range of transferable thinking and processing skills that will help students to live and work successfully in the 21st Century.

Study of Religion allows students to develop critical thinking skills, including those of analysis, reasoning and evaluation, as well as communication skills that support further study and post-school participation in a wide range of fields. The subject contributes to students becoming informed citizens, as religion continues to function as a powerful dimension of human experience. Through recognising the factors that contribute to different religious expressions, students develop empathy and respect for the ways people think, feel and act religiously, as well as a critical awareness of the religious diversity that exists locally and globally.

Focus areas studied may include:

Sacred Texts and Writings	Ethics & Morality
Ritual	Religion / State Relationship

Religion and Ethics

CORE SUBJECT

Year Level / Unit:
10

Length:
Full Year

Recommended:
Nil

Assessment Techniques:
- Project
- Investigation
- Extended Response
- Examination

Senior School Pathways:
- Study of Religion – General Subject

Why Study This Subject?

A sense of purpose and personal integrity are essential for participative and contributing members of society. This applied syllabus provides for a course of study that encourages students to explore their personal values and life choices and the ways in which these can contribute to the community outside the school gates. A search for meaning assists students to learn about and reflect on the richness of religious and ethical worldviews, whilst offering up a part of themselves in service to others. If students do not wish to or cannot follow the more rigorous Study of Religion, then Religion and Ethics is compulsory at Ignatius Park College in Year 10.

Students enrolled in this subject will complete QCAA approved Unit 1 and Unit 2. Successful completion of these units will which will secure students two (2) QCE points toward their Senior QCE.

What do students study?

Religion and Ethics enhances students' understanding of how personal beliefs, values and spiritual identity are shaped and influenced by factors such as family, culture, gender, race, class and economic issues. It caters to the varied needs and interests of students through investigating topics such as the meaning of life, spirituality, purpose and destiny, life choices, moral and ethical issues and justice. The course also explores how these topics are dealt with in various religious, spiritual and ethical traditions.

Focus areas studied may include:

Peace
Meaning, Purpose and Expression

CORE SUBJECT

English

Why Study This Subject?

English is the expression and exploration of personal and cultural understanding. Speaking, reading, writing, listening and viewing are skills we all use as part of our daily lives. Effective communication is vital if our students are to become active members of society and be able to operate within the diverse range of environments they will encounter in the future.

Students need to be able to read, listen, write and view in a range of contexts for successful study and employment. These skills can also be used for relaxation and enjoyment in their everyday lives. In Middle School English, the aim is to help every student achieve his potential in understanding and using Australian English.

Year Level / Unit:
10

Length:
Full Year

Recommended:
Nil

Assessment Techniques:
- Extended written responses
- Spoken tasks
- Multimodal tasks

Senior School Pathways:
- English – General Subject
- Literature – General Subject
- Essential English – Applied Subject

What do students study?

The Australian National Curriculum allows us to focus on the development of core skills in English which will then lead to greater understanding, enjoyment and success. The curriculum is structured around topics and texts which are engaging for boys and allow them to experience success in the subject. Topics include Strange Worlds: The Language of Science Fiction in Year 8, Overcoming Adversity in Year 9 and A Call to Arms in Year 10. Assessment is designed to challenge students and provide them with an opportunity to explore the issues they have addressed in class. Assessment is in the form of a range of genres, including both written and spoken tasks. These tasks are supported by drafting time in class and teacher input.

The Middle School English program is based on interacting with literature and developing key skills. It incorporates basic literacy, media awareness, thinking and problem-solving processes as well as personal and interpersonal skills. The course is differentiated for students of all abilities so each student can experience success, improve their key skills, and develop their creativity.

A strong focus of our program is to encourage students to read and write for pleasure. Students are encouraged to read a range of texts on a regular basis, both in class and at home. Students are required to have a pencil case with basic items, such as pens, a ruler and highlighters. They should also have a display folder and notebook which are kept specifically for English.

The program has also been designed to offer flexibility which will allow units of work that fulfil syllabus requirements but also cater to the needs of individual classes. By the end of the program, students will have been exposed to all the concepts and skills they will encounter in Senior English and will be well prepared for the challenges they will face in their future studies.

Mathematical Methods

CORE SUBJECT

Why Study This Subject?

Mathematics enhances our understanding of the world and our ability to participate in society.

Mathematical Methods is designed for students who are considering further studies in mathematics, science, engineering, or related fields. It provides a deeper and more rigorous study of mathematical concepts. The course emphasises problem-solving skills and mathematical reasoning, preparing students for programs that require a strong mathematical foundation.

It covers similar content to General Mathematics in Year 10 but in greater depth and complexity. Students are often challenged with more abstract concepts, problem-solving tasks, and higher-level mathematics. For this reason, the subject is often a pre-co-requisite subject for Science and technical subjects (including Specialist Mathematics).

Year Level / Unit:
10

Length:
Full Year

Recommended:
B Standard in Year 9 Mathematics

Assessment Techniques:

- Examinations
- Projects – Problem-solving and Modelling Tasks

Senior School Pathways:

- Specialist Mathematics – General Subject
- Mathematical Methods – General Subject
- General Mathematics – General Subject
- Essential Mathematics – Applied Subject

What do students study?

All Year 10 Mathematics classes follow the Australian Curriculum. In this subject, students focus on the skills and knowledge from the strands of Number and Algebra, Measurement and Geometry, and Statistics and Probability from the Year 10 and Year 10A curriculum.

The curriculum is designed to develop mathematical skills and concepts that allow students to see the connections between mathematics and other areas of the curriculum. Mathematical Methods develops mathematical ideas to becoming critical thinkers, innovators and problem-solvers.

This subject is designed to allow students to succeed in Mathematical Methods (or General Mathematics) in Years 11 and 12 by providing the necessary prior learning and experiences, including:

- Factorise, expand and simplify expressions.
- Perform operations with algebraic fractions and transpose formulas.
- Solve linear simultaneous equations, using algebraic and graphical techniques.
- Explore the connection between algebraic and graphical representations of relations (including quadratics, circles and exponentials)
- Solve problems involving the surface area and volume of prisms, including cylinders, as well as problems involving Pythagoras' theorem.

CORE SUBJECT

General Mathematics

Why Study This Subject?

Mathematics enhances our understanding of the world and our ability to participate in society.

General Mathematics is aimed at students who may not require advanced mathematical skills in their chosen career paths but still need a solid understanding of practical and everyday mathematical concepts. It covers a broad range of topics, including statistics, finance, and basic algebra, with a focus on real-world applications. General Mathematics equips students with the mathematical literacy needed for various vocational pathways or further studies in non-mathematical fields.

General Mathematics provides a broader and more accessible approach suitable for a wider range of career pathways and academic interests.

Year Level / Unit:
10

Length:
Full Year

Recommended:
Nil

Assessment Techniques:

- Examinations
- Projects – Problem-solving and Modelling Tasks

Senior School Pathways:

- General Mathematics – General Subject
- Essential Mathematics – Applied Subject

What do students study?

All Year 10 Mathematics classes follow the Australian Curriculum. In this subject, students focus on the skills and knowledge from the strands of Number and Algebra, Measurement and Geometry, and Statistics and Probability.

The curriculum is designed to develop mathematical skills and concepts that incorporates a practical approach that equips learners for their needs as future citizens. General Mathematics develops mathematical ideas to solve practical problems relevant to students' daily lives and communities.

This subject is designed to allow students to succeed in General Mathematics in Years 11 and 12 by providing the necessary prior learning and experiences, including:

- Solve percentage, rate, ratio, and simple algebraic fraction problems.
- Round decimals appropriately and use estimation to verify solutions.
- Apply exponent laws, including integer exponents and zero-exponents.
- Use variables to represent everyday formulas and
- substitute values to find unknowns.
- Expand, factorise, rearrange, and simplify algebraic expressions using various properties.

Science

CORE SUBJECT

Why Study This Subject?

Science impacts on all facets of life. It is a systematic way of thinking, involving creative and critical reasoning. As a human endeavour, science is a collaborative activity that integrates a range of disciplines, technologies and techniques used to investigatee natural phenomena. It is the source of innovative and creative solutions through evidece basd problem-solving.

Year Level / Unit:
10

Length:
Full Year

Recommended:
C Standard Year 9 Science

What do students study?

All Year 10 Science students will complete one (1) term of each of the following sciences:

Physical Sciences: Motion
Students explore how energy conservation in a system can be explained by describing energy transfers and transformations. They examine the relationship between the laws of physics, including force, mass and acceleration, to predict changes in motion of an object.

Chemical Sciences: Periodic Table and Reaction Rates
Students explore the atomic structure and properties of elements which are used to organize them into the periodic table. They explain how chemical reactions are used to produce particular products and how different factors influence the rate of reactions.

Biological Sciences: Heredity and Evolution
Students explore the transmission of inheritable characteristics from one generation to the next involving DNA and genes. They investigate the theory of evolution by natural selection and explain the diversity of living things.

Psychology: What Makes Us Tick?
Students explore the connection between the brain and behaviour by focusing on several key interrelated aspects of the discipline, the interplay between genetics and environment, individual differences and group dynamics, sensory perception and awareness, memory and learning, and mental health.

Assessment Techniques:

- Chemistry: Student Experiment
- Physics & Chemistry: Semester Examination
- Biology: Examination
- Psychology: Research Investigation

Senior School Pathways:

- Biology - General Subject
- Chemistry – General Subject
- Physics – General Subject
- Psychology – General Subject
- Science in Practice - Applied Subject

CORE SUBJECT

Science in Practice

Why Study This Subject?

Science in Practice is a course offered to Year 10 students who ideally have an interest in science and wish to embark on a career or trade that requires a presumed level of science knowledge, however, do not wish to continue science study at the tertiary level. Generally, students with a defined learning issue and requiring further support in literacy and numeracy would consider this choice of subject. Science in Practice is not an 'easier' course, and success will only come with effort as expected in any other subject.

Year Level / Unit:
10

Length:
Full Year

Recommended:
Nil

A course of study in Science in Practice is inclusive and caters for a wide range of students with a variety of backgrounds, interests and career aspirations. It can establish a basis for further education and employment in many fields, eg. animal welfare, food technology, forensics, health and medicine, the pharmaceutical industry, recreation and tourism, research and the resources sector. If a career in teaching or as an electrician is being considered, an ATAR Science stream is required.

Assessment Techniques:
- Chemistry: Student Experiment
- Physics & Chemistry: Semester Examination
- Biology: Examination
- Psychology: Research Investigation

Senior School Pathways:
- Science in Practice - Applied Subject

What do students study?

Students generally study the same topics as in the Year 10 Science course to meet the standards of the Australian Curriculum. The units are contextualised and structured to link with the Applied Senior Syllabus for Science in Practice, focusing on 'Scientific literacy and working scientifically', 'Workplace health and safety' and 'Communication and self- management'.

Chemical Sciences: Periodic Table and Reaction Rates
Students explore the atomic structure and properties of elements which are used to organise them into the periodic table. They explain how chemical reactions are used to form particular products and how different factors influence the rate of reactions.

Physical Sciences: Motion
Students explore how energy conservation in a system can be explained by describing energy transfers and transformations. They examine the relationship between the laws of physics, including force, mass and acceleration, to predict changes in motion of an object.

Consumer Sciences: How Science Impacts our Lives
Students address a number of consumer science topics that are present and impact our lives on a daily basis. As a blend of the four science disciplines, students will gain and understanding and investigate topics concerning food and drink science, nutrition and wellness, textiles and apparel, tattooing and cosmetics.

Forensic Sciences: Who Dunn it?
Students learn that much of forensic science is about the collection, careful handling and identification of forms of evidence for the purpose of use in a court of law. They study aspects of fingerprinting, anthropology, odontology, blood types, chemical analysis and facts about trauma and ballistics.

Physical Education

CORE SUBJECT

Why Study This Subject?

The Year 10 curriculum supports students who are considering undertaking Physical Education as a senior subject in Year 11 and 12. It is also recommended students choose this subject if they believe they may do the Certificate III in Fitness.

Physical Education students learn experientially through three stages of an inquiry approach to ascertain relationships between the scientific bases and the physical activity contexts. Students recognise and explain concepts and principles about and through movement as well as demonstrate and apply body and movement concepts to movement sequences and movement strategies. Through their purposeful and authentic experiences in physical activities, students gather, analyse and synthesise data to devise strategies to optimise engagement and performance. They evaluate and justify strategies about and in movement by drawing on informed, reflective decision-making.

Physical Education learners develop the 21st Century skills of critical thinking, creative thinking, communication, personal and social skills, collaboration and teamwork, as well as information and communication technologies skills through rich and diverse learning experiences about, through and in physical activity. Physical Education fosters an appreciation of the values and knowledge within and across disciplines, and builds on students' capacities to be self-directed, work towards specific goals, develop positive behaviours and establish lifelong active engagement in a wide range of pathways beyond school.

Year Level / Unit:
10

Length:
Full Year

Recommended:
C Standard Year 9 Physical Education

Assessment Techniques:

- Examination
- Multimodal Presentation
- Research Report

Senior School Pathways:

- Physical Education – General Subject
- Sport and Recreation – Applied Subject
- Certificate III in Fitness – VET Subject

What do students study?

Focus areas studied may include:

Motor Learning
Biomechanics
Energy Systems
Training Program
Fitness Components
Ethics

CORE SUBJECT

Sport and Recreation

Why Study This Subject?

In Sport and Recreation, students are involved in communicating ideas and information in, about and through sport and recreation activities

These activities will be the medium through which students examine the effects of sport and recreation on individuals and communities, investigate the role of sport and recreation in maintaining good health, evaluate strategies to promote health and safety, and investigate personal and interpersonal skills to achieve goals. Sport and Recreation involves students working individually, in groups and in teams. Students will be involved in acquiring, applying and evaluating information about and in physical activities and performances, planning and organising activities, investigating solutions to individual and community challenges, and using suitable technologies where relevant.

Studnets will be involved in learning experiences that allow them to developtheir interpersonal abilities and encourage them to appreciate and value active involvement in sporting and recreational activities, contributing to ongoing personal and community development throughout their adult lives.

Year Level / Unit:
10

Length:
Full Year

Recommended:
Nil

Assessment Techniques:
- Performance / Project
- Examination

Senior School Pathways:
- Sport and Recreation - Applied Subject

What do students study?

Focus areas studied may include:

First Aid and Sports Injuries
Tournament Organisation
Training Programs
Community Recreation

Fitness

CORE SUBJECT

Year Level / Unit:
10

Length:
Students can undertake this elective in Semester 2 only.

Recommended:
Nil

Assessment Techniques:
- Examination
- Physical Demonstration

Senior School Pathways:
- Certificate III in Fitness – VET Subject

Why Study This Subject?

This subject reflects the role of instructors who perform a range of activities and functions within the fitness industry. It is recommended that students select this subject if they are not doing senior Physical Education and intend to do the Certificate III in Fitness qualification in Year 11 and 12. This subject serves as an introduction to the ways a certificate course operates and, while it is advantageous to have this introduction, it is not mandatory.

Students should have a passion for and or interest in pursuing a career in the fitness or sports industries. They must have good quality written and spoken communication skills and an enthusiasm /motivation to participate in physical activity sessions.

Students will undertake group exercise instruction, delivering exercise sessions designed for participation by a group of clients with a mix of ages/fitness levels. Sessions may be freestyle, pre-choreographed or circuit style. These individuals instruct and demonstrate complete exercise sessions to groups with limited individual interaction.

Students will also perform gym instruction, provide individually tailored client assessments, provide technique correction as needed, and develop and demonstrate programs.

What do students study?

Focus areas studied may include:

Energy Systems
Training Program
Fitness Components

CORE SUBJECT

Economics

Why Study This Subject?

Economics is a study of how to use scarce resources in the best way possible. Households, businesses and governments are confronted with the economic problem of alternative uses of their limited resources. This course of study stresses the desirability of understanding the significance of economic events as well as the implications of individual, business and government economic decision making.

Year Level / Unit:
10

Length:
One Semester only.

Recommended:
Nil

The emphasis is on the application of economic skills and concepts to the problems and issues facing Australian society. It helps students gain key employment skills and competencies as well as to participate effectively in, and contribute to, economic decision making.

Assessment Techniques:
- Short Response Exam
- Independent Research Multi-Modal Task

Senior School Pathways:
- Economics – General Subject

What do students study?

The Year 10 curriculum gives students the opportunity to further develop their understanding of economics and business concepts by considering Australia's economic performance and standard of living. The ways governments manage economic performance to improve living standards is explored, along with the reasons why economic performance and living standards differ within and between economies. Students explore the nature of externalities and why the government intervenes to ensure that prices reflect the depletion of resources or costs to society. Students examine the consequences of decisions and the responses of business to changing economic conditions, including the way they manage their workforce.

A framework for developing students' economics knowledge, understanding and skills at this year level is provided by the following key questions:

- How is the performance of an economy measured?
- Why do variations in economic performance in different economies exist?
- What strategies do governments use to manage economic performance?
- How do governments, businesses and individuals respond to changing economic conditions?

Geography

CORE SUBJECT

Why Study This Subject?

Geography is about the study of human and natural characteristics of places, and the interactions between them. It is a rich and complex discipline which includes two vital dimensions:

- the spatial dimension, which focuses on where things are and why they are there
- the ecological dimension, which considers how humans interact with environments.Technologies immerses students in planning the production of designed food solutions.

Geography empowers students to shape change for a socially just and sustainable future. It inspires curiosity and wonder about the diversity of the world's places, peoples, cultures and environments. Through a structured way of exploring, analysing and understanding the characteristics of the places that make up our world, Geography enables students to question why the world is the way it is, and reflect on their relationships with and responsibilities for that world.

Year Level / Unit:
10

Length:
One Semester only.

Recommended:
Nil

Assessment Techniques:
- Multi-model
- Combination response exam

Senior School Pathways:
- Geography – General Subject

What do students study?

The curriculum continues to develop students' geographical knowledge and mental map of the world through the investigation of selective studies of world regions and specific countries. Students undertake studies at the full range of scales, from local to global, and in a range of locations.

The key inquiry questions for Year 10 are:

- How can the spatial variation between places and changes in environments be explained?
- What management options exist for sustaining human and natural systems into the future?
- How do world views influence decisions on how to manage environmental and social change?

CORE SUBJECT

Legal Studies

Why Study This Subject?

Legal Studies is about developing an understanding of the Australian legal system and how it affects your basic rights, obligations and responsibilities. Students will explore how to become an active and informed citizen and learn how to constructively question and contribute to the improvement of laws and legal processes.

By examining factors that have led society to create a legal system, students will develop knowledge and understanding of the frameworks which regulate and shape our society.

Year Level / Unit:
10

Length:
One Semester only.

Recommended:
Nil

Assessment Techniques:
- Short Response Exam
- Independent Research Task

Senior School Pathways:
- Legal Studies – General Subject

What do students study?

The Year 10 curriculum develops student understanding of Australia's system of government through comparison with another system of government in the Asian region. Students examine Australia's roles and responsibilities within the international context, such as its involvement with the United Nations. Students also study the purpose and work of the High Court. They investigate the values and practices that enable a democratic society to be sustained.

A framework for developing students' legal knowledge, understanding and skills at this year level is provided by the following key questions:

- How is Australia's democracy defined and shaped by the global context?
- How are government policies shaped by Australia's international legal obligations?
- What are the features of a resilient democracy?

Modern History

CORE SUBJECT

Why Study This Subject?

In history, as in our everyday lives, people ask meaningful questions, collect evidence, sift through it, analyse and evaluate to produce satisfactory answers to problems of living. These answers provide a context for our own lives and establish a range of values that shape our attitudes, beliefs and behaviours.

Through the study of Modern History, students can understand why our modern world is the way it is. They can understand the processes of change and continuity that have shaped today's world, their causes, and the roles people have played in those processes. They can understand that there are relationships between our needs and interests and a range of historical topics, people and events. At a personal level, Modern History helps students to identify their social locations, their place in time and their heritage within a distinctive culture. Students develop these understandings through processes of critical inquiry, debate and reflection, and by empathising with the views of others.

Year Level / Unit:
10

Length:
Full year or One Semester only.

Recommended:
Nil

Assessment Techniques:
- Short response exam
- Research essay
- Independent investigation
- Response to sources essay

Senior School Pathways:
- Modern History – General Subject

What do students study?

Inquiry topics in Modern History focus predominantly on the 20th Century and later. The course that students study will include:

- a range of scales — local, national, international, global
- a range of time periods, from pre-modern to contemporary
- a range of geographical contexts — Australian, Asia- Pacific, European, African, American
- some study of relations between Indigenous and non- Indigenous Australians
- a number of briefer studies (background, comparative, linking) to ensure that students can place the inquiry topics within a broader understanding of the history of at least the past two centuries.
- A number of briefer studies (background, comparative, linking) to ensure that students can place the inquiry topics within a broader understanding of the history of at least the past two centuries.

ELECTIVE SUBJECT

Design

Why Study This Subject?

In an increasingly technological and complex world, it is important to develop knowledge and confidence to critically analyse and creatively respond to design challenges. Knowledge, understanding and skills involved in the design, development and use of technologies are influenced by, and can play a role in, enriching and transforming societies and our natural, managed and constructed environments.

Year Level / Unit:
10

Length:
Students can undertake this elective for 1 Semester only.

Recommended:
Nil

Design and Technologies enables students to become creative and responsive designers. When they consider ethical, legal, aesthetic and functional factors and the economic, environmental and social impacts of technological change, and how the choice and use of technologies contributes to a sustainable future, they are developing the knowledge, understanding and skills to become discerning decision-makers.

Assessment Techniques:
- Folios
- Examinations

Senior School Pathways:
- Digital Solutions – General Subject
- Design – General Subject
- Engineering – General Subject

Design and Technologies actively engages students in creating quality designed solutions for identified needs and opportunities across a range of technologies contexts. Students manage projects independently and collaboratively from conception to realisation. They apply design and systems thinking and design processes to investigate ideas, generate and refine ideas, plan, produce and evaluate designed solutions. They develop a sense of pride, satisfaction and enjoyment from their ability to develop innovative designed products, services and environments.

Through the practical application of technologies including digital technologies, students develop dexterity and coordination through experiential activities. Design and Technologies motivates young people and engages them in a range of learning experiences that are transferable to family and home, constructive leisure activities, community contribution and the world of work.

What do students study?

Focus areas studied may include:

The Design Process
Computer Assisted Drawing (CAD)
Product Design
3D Printing Technologies
3D Modelling
Environmental Design

ELECTIVE SUBJECT

Digital Solutions

Year Level / Unit:
10

Length:
Students can undertake this elective for a full year or 1 Semester only.

Recommended:
Nil

Assessment Techniques:
- Folios
- Projects

Senior School Pathways:
- Digital Solutions – General Subject
- Design – General Subject
- Engineering – General Subject

Why Study This Subject?

In a world that is increasingly digitised and automated, it is critical to the wellbeing and sustainability of the economy, the environment and society, that the benefits of information systems are exploited ethically. This requires deep knowledge and understanding of digital systems (a component of an information system) and how to manage risks. Digital systems support new ways of collaborating and communicating and require new skills such as computational and systems thinking. These technologies are an essential problem-solving toolset in our knowledge-based society.

Digital Technologies empowers students to shape change by influencing how contemporary and emerging information systems and practices are applied to meet current and future needs. A deep knowledge and understanding of information systems enables students to be creative and discerning decision-makers when they select, use and manage data, information, processes and digital systems to meet needs and shape preferred futures.

Digital Technologies provides students with practical opportunities to use design thinking and to be innovative developers of digital solutions and knowledge. The subject helps students to become innovative creators of digital solutions, effective users of digital systems and critical consumers of information conveyed by digital systems.

Digital Technologies provides students with authentic learning challenges that foster curiosity, confidence, persistence, innovation, creativity, respect and cooperation. These are all necessary when using and developing information systems to make sense of complex ideas and relationships in all areas of learning.

What do students study?

Focus areas studied may include:

Computer Systems and Networks
Computer Programming (coding)
Graphic and Web Design
Designing Digital Solutions
Social and Ethical Issues
Databases
Artificial Intelligence
Robotics and Embedded Systems

ELECTIVE SUBJECT

Engineering (STEM)

Why Study This Subject?

Australia needs enterprising and innovative individuals with the ability to make discerning decisions concerning the development, use and impact of technologies. When developing technologies, these individuals need to be able to work independently and collaboratively to solve complex, open-ended problems. Subjects in the Technologies learning area prepare students to be effective problem-solvers as they learn about and work with contemporary and emerging technologies.

Year Level / Unit:
10

Length:
Students can undertake this elective for 1 Semester only.

Recommended:
C in General Mathematics or Mathematical Methods

Assessment Techniques:
- Folios
- Examinations

Senior School Pathways:
- Digital Solutions – General Subject
- Design – General Subject
- Engineering – General Subject

The problem-solving process in Engineering involves the practical application of Science, Technology, Engineering and Mathematics (STEM) knowledge to develop sustainable products, processes and services. Engineers use their technical and social knowledge to solve problems in ways that meet the needs of today's individuals, communities, businesses and environments, without compromising the potential needs of future generations. Students who study Engineering develop technical knowledge and problem- solving skills that enable them to respond to and manage ongoing technological and societal change.

Engineering provides students with an opportunity to experience, first-hand and in a practical way, the exciting and dynamic work of real-world engineers. Students learn transferable 21st Century skills that support their life aspirations, including critical thinking, creative thinking, communication, collaboration and teamwork, personal and social skills, and information and communication technologies (ICT) skills. The study of Engineering inspires students to become adaptable and resilient.

What do students study?

Focus areas studied may include:

The Design Process
Computer Assisted Drawing (CAD)
Emerging Technologies
Engineering Systems and Processes
Creating Designed Solutions
Robotics

Food Technologies

ELECTIVE SUBJECT

Why Study This Subject?

Food Technologies immerses students in plannig the production of designed food solutions.

Students will learn skills to develop detailed project management plans incorporating elements such as sequenced time, cost and action plans to manage a range of food design tasks safely. Students also learn to identify and establish safety procedures that minimise risk and manage food design projects with safety and efficiency in mind, maintaining safety standards and management procedures to ensure success. They learn to transfer theoretical knowledge to practical activities in all food projects.

Year Level / Unit:
10

Length:
Students can undertake this elective for a full year or 1 Semester only.

Recommended:
Nil

Assessment Techniques:
- Practical Examination
- Portfolio
- Investigation

Senior School Pathways:
- Hospitality Practices – Applied Subject

What do students study?

Food Trends (Semester 1):

Task 1: Written article
Task 2: Planning portfolio
Task 3: Practical exam

The meaning of food trends refers to any consumer behaviour shift in the direction of a particular food or meal. Trends are local, regional, or national. Some trends exist for years whereas others are around for a short period of time. Food is similar to fashion. The trend-setters

of the industry include celebrity chefs and major food corporations. With the help of good marketing and the right taste, trends can become well-known amongst other food options.
In this unit students will investigate current primary food industry standards against emerging technologies that provide a more ethical and sustainable produced product. Students will research current food trends to redesign a recipe to produce and market in an ethical and sustainable way.

Food for Celebration (Semester 2):

Task 1: Investigative multimodal
Task 2: Planning portfolio
Task 3: Practical exam

Food spoilage causes waste and loss of profit in the Hospitality industry. Undetected spoiled food can potentially put patrons at risk of food poisoning. The young and elderly are more likely to have serious food borne illnesses which can have serious repercussions on a business leading to environmental health inspections and possible prosecutions. Food that is stored correctly and utilised within the expiry limitations can help avoid food spoilage, saving a business money due to wastage and avoid any legal ramifications. Students will investigate food allergens and food allergies; they will utilise this knowledge and keep this in mind when catering for an event to ensure they cater for a broad range of dietary requirements.

Students are to investigate the causes of food spoilage and how to store food correctly. Based on the knowledge from the investigation, they will design, prepare, store and serve food for a high tea function for the elderly.

ELECTIVE SUBJECT

Industrial Technology Skills

Why Study This Subject?

Industrial Technology Skills focuses on the practices and processes required to manufacture products in a variety of industries.

Students understand industry practices; interpret specifications, including technical information and drawings; demonstrate and apply safe, practical production processes with hand/power tools and machinery; communicate using oral, written and graphical modes; organise, calculate and plan production processes; and evaluate the products they create using pre-defined specifications.

Students develop transferable skills by engaging in manufacturing tasks that relate to business and industry, and that promote adaptable, competent, self-motivated and safe individuals who can work with colleagues to solve problems and complete practical work.

Year Level / Unit:
10

Length:
Students can undertake this elective for a full year or 1 Semester only.

Recommended:
Nil

Assessment Techniques:
- Design Folios
- Projects
- Practical Demonstrations

Senior School Pathways:
- Industrial Technology Skills – Applied Subject
- Furnishing Skills – Applied Subject
- Certificate I Construction – VET Subject
- Certificate II Engineering Pathways – VET Subject
- Certificate II Resources and Infrastructure work preparation – VET Subject

What do students study?

Focus areas studied may include:

Furniture and Cabinet Making
Fitting
Project Design
Destructive Testing

Graphics and Industrial Design

ELECTIVE SUBJECT

Why Study This Subject?

Graphics and Industrial Design has a strong focus on the use of Computer Aided Design (CAD) software to produce drawings in a range of industrial contexts. Students will be exposed to the importance of interpreting and representing plans as industry standard, technical drawings. By utilising CAD software, students will be exposed to how graphics is incorporated into the fields of design and prototyping.

Initial learning centres around the fundamental skills of sketching, the design process and familiarisation with CAD software. Students progress through to the process of producing technical drawings that can be applied to the production of products using industry standard equipment such as laser cutters and 3D printers. Students will be required to submit drawing tasks, folios of work and demonstrate competence with modern technologies to produce a final product.

Students who develop skills from this subject will have a solid grounding to select Design in Year 11 and 12 or have an advantage to pursue the practical subjects in a Vocational or Blended pathway.

Year Level / Unit:
10

Length:
Students can undertake this elective for 1 Semester only.

Recommended:
Exposure to 3D Modelling Software is an advantage

Assessment Techniques:
- Design folios
- Projects
- Practical Demonstrations

Senior School Pathways:
- Design – General Subject
- Industrial Graphics – Applied Subject
- Engineering - General Subject
- Certificate I Construction – VET Subject
- Certificate II Engineering Pathways – VET Subject
- Certificate II Resources and Infrastructure Work Preparation – VET Subject

What do students study?

Focus areas studied may include:

Intro to design process, hand sketching, Inventor CAD program basics
Hand sketching, Basic design brief with finished 3D Printing
Advanced inventor, Design process, using various creating thinking techniques, Laser cutter
Full design folio with workshop time to produce final design proposal

ELECTIVE SUBJECT

Japanese

Why Study This Subject?

Learning Japanese is intellectually challenging. It can give students:

- increased problem-solving skills (by developing highly
- flexible and creative thought patterns)
- improved knowledge of English language structure and usage (by comparing English with Japanese)
- insight into another culture and sensitivity towards its peoples (by learning about Japanese culture, its celebrations and family life, and learning when to use colloquial and formal language)
- a very marketable skill which can expand career options.
- enhanced communication skills and confidence
- new ways of looking at the world.
- making friends across the world.

Knowledge of another language is an essential component of the package of skills, attitudes and knowledge that young people should take with them from school into society.

The nature of work is changing. The concept of career is changing. Multi-skilling is essential. Having another language in our package of skills gives us an edge.

By studying Japanese, it may give an eligibility of joining the Japan Trip, which occurs every two years.

Year Level / Unit:
10

Length:
Students can undertake this elective for a full year or 1 Semester only.

Recommended:
C Standard in Year 9 Japanese

Assessment Techniques:

- Listening
- Speaking
- Reading
- Writing

Senior School Pathways:

- Japanese – General Subject

What do students study?

Express and describe about:

- family/carers and friends
- giving/asking directions
- city vs country by comparing in Japan and Australia
- part-time jobs
- future options and careers
- lifestyle differences between Japan and Australia
- Hiragana (Revision) and Katakana
- Kanji
- comparing the lives of Japanese and Australian Teenagers, and their future plans

Specialist Mathematics

ELECTIVE SUBJECT

Why Study This Subject?

Mathematics enhances our understanding of the world and our ability to participate in society.

Specialist Mathematics offers students a pathway to advanced mathematical skills and concepts crucial for future academic and professional pursuits. The course emphasises problem-solving skills and mathematical reasoning, preparing students for programs that require a strong mathematical foundation.

Students who undertake Specialist Mathematics will develop confidence in their mathematical knowledge and ability, and gain a positive view of themselves as mathematics learners. They will gain an appreciation of the true nature of mathematics, its beauty and its power.

Year Level / Unit:
10

Length:
Students can undertake this elective for 1 Semester only.

Recommended:
B Standard in Year 9 Mathematics

Assessment Techniques:
- Examinations

Senior School Pathways:
- General Mathematics – General Subject
- Essential Mathematics – Applied Subject
- Mathematical Methods – General Subject
- Specialist Mathematics – General Subject

What do students study?

The curriculum is designed to develop mathematical skills and concepts that allow students to see the connections between mathematics and other areas of the curriculum. Specialist Mathematics is an advanced course tailored for students who demonstrate a strong aptitude and interest in mathematics.

This course is designed for students who are considering studying Mathematical Methods and Specialist Mathematics in Years 11 and 12. It exposes student to certain topics they will encounter, such as:

- Circle Geometry
- Trigonometry and the Unit Circle
- Complex Numbers
- Vectors
- Polynomials

ELECTIVE SUBJECT

Drama

Why Study This Subject?

Students of Drama learn to think, move, speak and act with confidence. Drama foters creative and expressive communication skills to strengthen how students convey their thoughts and feelings. It also develops their communication and buildes relationships in a range of contexts.

Students learn how to engage with dramatic works as both artists and audience through the use of critical literacies. Students learn to pose and solve problems and work independently and collaboratively. The study of drama develops students' knowledge, skills and understanding in the making of, and responding to, dramatic works to help them realise their creative and expressive potential as individuals. Students will be required to engage in both practical and written components of the subject to celebrate and challenge perspectives of identity, including those from different cultures and contexts.

In Year 10, students will have the opportunity to gain fundamental skills to perform, create and experience through workshops and view live performances.

Year Level / Unit:
10

Length:
Students can undertake this elective for a full year or 1 Semester only.

Recommended:
Nil

Assessment Techniques:
- Folios
- Examinations
- Performances
- Directing
- Script Writing
- Multi-media project

Senior School Pathways:
- Drama – General Subject
- Film, Television and New Media – General Subject

What do students study?

Focus areas studied may include:

Elements of Drama
Conflict through the Ages
Social Commentary
Physical Theatre
Comedy

Film, Television and New Media

ELECTIVE SUBJECT

Why Study This Subject?

For most of us, Film, Television and New Media are our primary sources of information, communication and entertainment. They are important channels for educational and cultural exchange and are vital to our self-expression and identity after expression.

This subject equips students for a future of unimagined possibilities with highly transferable and flexible skills. Students develop valuable 21st century attributes including:

- Critical and creative thinking skills
- Communication, collaboration, problem solving and organisational skills
- Personal and social skills
- Information and communication technology skills

Students who undertake Specialist Mathematics will develop confidence in their mathematical knowledge and ability, and gain a positive view of themselves as mathematics learners. They will gain an appreciation of the true nature of mathematics, its beauty and its power.

Year Level / Unit:
10

Length:
Students can undertake this elective for a full year or 1 Semester only.

Recommended:
Nil

Assessment Techniques:
- Curational letter
- Photography Portfolio
- Advertisement design and production
- Analytical essay

Senior School Pathways:
- Film, Television and New Media – General Subject
- Drama – General Subject
- Visual Art – General Subject
- Music – General Subject

What do students study?

Unit 1:

Students study digital photography. In doing so, they learn the practical skills involved in using a DSLR camera and taking still images that are aesthetically pleasing, construct a particular representation and appeal to a chosen target audience. They also use a professional editing program such as Light Room to edit their photos before compiling a photography portfolio. Additionally, students explore famous Australian photographers and their work. Students learn to analyse and appraise these iconic photos.

Unit 2:

Students study consumer culture and the world of advertising. They develop an understanding of persuasive devices commonly used in marketing to provide explicit and subliminal messages to audiences, while also examining the varying platforms available for advertising. Students use film language and critical literacy skills to critique advertising campaigns. They also further their filming skills and use a professional editing program such as Adobe Premiere. They learn the stages of pre-production, before designing and producing their own moving-image advertisement.

ELECTIVE SUBJECT

Music

Why Study This Subject?

Music exists intrinsically in every culture and is a basic expression of human experience. Students' active participation in music fosters an understanding of other times, places, cultures and contexts. Music enhances creative and expressive communication. It allows students to develop musicianship through making (composition and performance) and responding (musicology). Through composition, performance and musicology, students use and apply music elements and concepts. They apply their knowledge and understanding to convey meaning and/or emotion to an audience.

Music has the capacity to engage, inspire and enrich all students, exciting the imagination and encouraging students to reach their creative and expressive potential. Skills and techniques developed through participation in music learning allow students to manipulate, express and share sound as listeners, composers and performers.

Music learning has a significant impact on the cognitive, affective, motor, social and personal competencies of students.

In Year 10, students develop knowledge, understanding and skills about music as an art form through composition, arrangement, rehearsal and performance. Students develop a distinctive personal voice as they create, perform and respond to music ideas in a range of forms and styles.

Year Level / Unit:
10

Length:
Students can undertake this elective for a full year or 1 Semester only.

Recommended:
Nil

Assessment Techniques:
- Folios
- Examinations
- Performances
- Compositions

Senior School Pathways:
- Music – General Subject
- Film, Television and New Media – General Subject

What do students study?

Focus areas studied may include:

Creative Industries
Film Music
World Music
Social and Political Protest Music
Comedy

Visual Art

ELECTIVE SUBJECT

Why Study This Subject?

Visual Art provides students with the opportunity to be expressive, innovative and creative. Through the process of experimenting with art materials, students develop their skills and learn to appreciate the artistic practices demonstrated in the work of other artists.

By looking at the work of historical, contemporary, national, and international artists, students will be challenged to question their own perception of what art is. In turn, this will encourage discussion and allows students to think critically about the work of others and be inspired to create their own unique visual responses to the world around them. As 21st Century learners, they will develop the ability to think critically, interact creatively, and expressive themselves to produce innovative work.

Year Level / Unit:
10

Length:
Students can undertake this elective for a full year or 1 Semester only.

Recommended:
Nil

Assessment Techniques:
- Folio / Visual Diary
- Making tasks – 2D and/or 3D artwork
- Short and Extended Written Responses

Senior School Pathways:
- Visual Art – General Subject
- Film, Television and New Media – General Subject

What do students study?

Focus areas studied may include:

Art History
Visual Literacy
Analysis and Interpretation of Artwork
Illustration
Painting
Sculpture
Ceramics
Printmaking
Graphic Design

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