



Yanchep Secondary College



Inspire, Achieve, Succeed.

Year 11 & 12 Curriculum Booklet

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At Yanchep Secondary College we provide a high quality, comprehensive education which prepares students to be active and productive adults.

We provide a full range of subjects covering the eight Learning Areas:

- The Arts
- English
- Health and Physical Education
- Languages
- Mathematics
- Science
- Humanities
- Technologies

These subjects help to prepare your child for the future and provides them with a variety of pathways including opportunities to attend University, TAFE or enter the workforce.

Studying at the senior level means students are required to take greater responsibility for their decisions, Yanchep Secondary College staff will support students in their studies and work in partnership with parents and guardians throughout the two years of Senior School.

Western Australian Certificate of Education (WACE)

The Western Australian Certificate of Education (WACE) is awarded to secondary school students who satisfy its requirements. Generally, students will complete two years of senior secondary study, after which they are awarded the WACE.

To achieve a WACE, students must:

- Demonstrate a minimum standard of literacy and a minimum standard of numeracy
- Complete a minimum of 20 units or equivalents and
- Complete four or more Year 12 ATAR courses or complete a Certificate II or higher (2020)
- Select five general courses or a combination of General and ATAR courses (2021)

Breadth and depth

Students will complete a minimum of 20 course units or the equivalent. This requirement must include at least:

- A minimum of 10 Year 12 units or the equivalent
- Two completed Year 11 English units and one pair of completed Year 12 English units
- One pair of Year 12 course units from each of List A (Arts / English / Languages/Social Sciences) and List B (Mathematics / Science / Technology).

Achievement standard

Students will be required to achieve a minimum of 14 C grades in Year 11 and Year 12 units, including at least six C grades in Year 12 units.

Note: If students do not meet the literacy and numeracy standard by the time they exit secondary school, they can apply to the authority to re-sit the assessment.

All students (whether they have achieved the WACE or not) will receive a Western Australian Statement of Student Achievement.

The Western Australian Statement of Student Achievement (WASSA)

The WASSA is issued to each Year 12 student at the completion of their senior secondary schooling; senior secondary school typically takes two years. The WASSA lists all courses

and programs that a student has completed and the grades and marks achieved. The WASSA formally records, as relevant:

- achievement of WACE requirements
- achievement of the literacy (reading and writing) standard
- achievement of the numeracy standard
- achievement of any exhibitions and awards
- school grades, school marks and combined scores in ATAR courses
- school grades and school marks in General and Foundation courses
- completed Preliminary units
- completed VET industry specific courses
- successfully completed VET qualifications and VET units of competency
- completed endorsed programs
- number of community service hours undertaken (if reported by the school).

Literacy and Numeracy Assessment

To achieve a WACE, students will be required to complete the Online Literacy and Numeracy Assessment (OLNA) and demonstrate achievement at or above a minimum standard, or have previously achieved Band 8 or higher in the associated component of their Year 9 NAPLAN tests.

The OLNA has three components – reading, writing and numeracy.

If the student does not meet the standard in Semester 1 and 2, Year 11 and Semester 1 and 2 Year 12.

Sequential Development

All ATAR and General courses demonstrate an increasing level of complexity from Year 11 to Year 12.

- Course units must be completed sequentially, with Year 11 units (1&2) being undertaken before Year 12 units (3&4) unless students enrol directly in Year 12 units without completing Year 11 units.
- Year 11 units (1&2) are paired. A course change date will be notified by SCSA and it will not be possible to switch after this date.
- If students switch courses in Year 11 (before the deadline), they will need to complete the assessment requirements of the new course.

How to use this book:

This book presents a summary of the courses available and other vital information necessary to make good choices.

It does not stand alone. Advice and information is available from the Head of Learning Area, Deputy Principal, and nominated Course Counsellors.

It is very important when selecting courses that attention is paid to minimum entry requirements published by Universities in their annual guides.

It may not be possible to timetable some courses if they are chosen by a very small number of students and certain combinations may not be available where particular courses are timetabled to run at the same time.

Course charges and extra cost options:

All Year 11 and 12 courses have a compulsory charge, the estimated cost for each course is included in this booklet.

There will be additional charges in some courses where extra cost activities are part of the Year 11 and 12 educational programs such as excursions and camps that students are expected to attend and which the course charges do not cover.

In December of the year prior to the commencement of Year 11, the parent or guardian will receive an information package which will include the updated additional cost charges, booklist and a statement of the course charges. It is expected that payment is finalised by the end of Term 1 in Year 11, unless an agreed payment plan has been negotiated and commenced.

Payment options are available if necessary and arrangements can be made through the Finance Office.

Students have two pathways to choose from:

1. **ATAR courses**
2. **General courses**

ARTS / LANGUAGE / HUMANITIES

ENGLISH

English ATAR – Estimated charges: \$40

The English ATAR course focuses on developing students' analytical, creative, and critical thinking and communication skills in all language modes, encouraging students to critically engage with texts from their contemporary world, the past, and from Australian and other cultures. Through close study and wide reading, viewing and listening, students develop the ability to analyse and evaluate the purpose, stylistic qualities and conventions of texts and to enjoy creating imaginative, interpretive, persuasive and analytical responses in a range of written, oral, multimodal and digital forms.

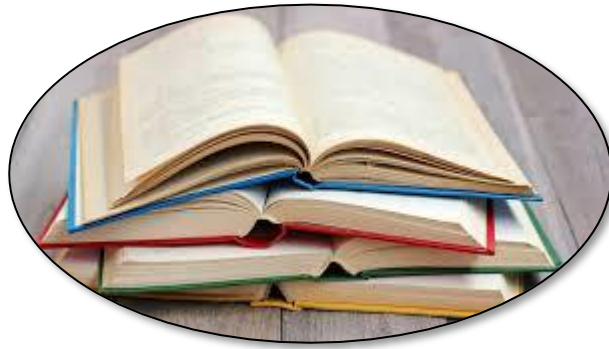
English General – Estimated charges: \$25

The English General course focuses on consolidating and refining the skills and knowledge needed by students to become competent, confident and engaged users of English in everyday, community, social, further education, training and workplace contexts. The course is designed to provide students with the skills to succeed in a wide range of post-secondary pathways by developing their language, literacy and literary skills. Students comprehend, analyse, interpret, evaluate and create analytical, imaginative, interpretive and persuasive texts in a range of written, oral, multimodal and digital forms.

Literature ATAR – Estimated charges: \$40

The Literature ATAR course focuses on the study of literary texts and developing students as independent, innovative and creative learners and thinkers who appreciate the aesthetic use of language; evaluate perspectives and evidence; and challenge ideas and interpretations. In this subject, students actively participate in the dialogue of literary analysis and the creation of imaginative and analytical texts in a range of modes, media and forms. Students establish and articulate their views through creative response and logical argument. They reflect on qualities of literary texts, appreciate the power of language and inquire into the relationships

between texts, authors, readers, audiences and contexts as they explore ideas, concepts, attitudes and values.



Additional requirements: Students are expected to devote sufficient time to the study of English Literature to achieve good results, and must be willing to undertake extensive reading in order to fulfil the requirements of the course.

Pre-requisites: Band 8 in NAPLAN Reading and Writing AND a strong C grade or better in Year 10.

Literature General – Estimated charges: \$25

In the Literature General course, students learn to create readings of literary texts and to create their own texts, including essays, poems, short stories, plays and multimodal texts. Students learn to read texts in terms of their cultural, social and historical contexts; their values and attitudes; and their generic conventions and literary techniques. Students learn to create texts paying attention to contexts, values and conventions. Students learn about literary language, narrative, image and the power of representation. Students experience the aesthetic and intellectual pleasure that reading and creating literary texts can bring.

LOTE

Japanese General – Estimated charges: \$25

Second Language General course is designed to enable students to gain knowledge and an understanding of the culture and the language of Japanese-speaking communities. The course focuses on the interrelationship of language and culture, and equips students with the skills needed to function in an increasingly globalised society, a culturally and linguistically diverse local community, and provides them with the foundation for life-long language learning. Relevant and engaging tasks, delivered through a range of appropriate contexts and topics, develop literacy in the Japanese language as well as extend literacy development in English.

HUMANITIES

Geography ATAR – Estimated charges: \$40

The study of the Geography ATAR course draws on students' curiosity about the diversity of the world's places and their peoples, cultures and environments. It provides students with the knowledge and understanding of the nature, causes and consequences of natural and ecological hazards, international integration in a range of spatial contexts, land cover transformations, and the challenges affecting the sustainability of places.

In the ATAR course, students learn how to collect information from primary and secondary sources, such as field observation and data collection, mapping, monitoring, remote sensing, case studies and reports.



Geography General – Estimated charges: \$25

The study of Geography draws on students' curiosity about the diversity of the world's places and their peoples, cultures and environments. It enables students to appreciate the complexity of our world and the diversity of its environments, economies and cultures and use this knowledge to promote a more sustainable way of life and awareness of social and spatial inequalities.

The Geography General course is a non-ATAR course which investigates and analyses a range of challenges and associated opportunities facing Australia and the global community. These challenges include rapid change in biophysical environments, the sustainability of places (Yanchep National Park), dealing with environmental risks and the consequences of international integration.

Students will also explore the natural and cultural characteristics of a region (Perth), the processes that have enabled it to change over time and the challenges it may face in the future. They will develop the knowledge, understandings and skills that are relevant to the world in which we live and which are also appropriate to careers in the environmental protection/rehabilitation, urban and regional development, and tourism industries.

Modern History ATAR – Estimated charges: \$40

The Modern History ATAR course enables you to study the forces that have shaped today's world and provides you with a broader and deeper comprehension of the world in which you live. History encourages students to make connections with the changing world of the 21st century and it will enhance your curiosity and imagination and their appreciation of larger themes, individuals, movements, events and ideas that have shaped the contemporary world.

Unit 1

This unit examines developments of significance in the modern era, including the ideas that inspired them and their far-reaching consequences. Students will examine the American Experience 1907-1941 which has helped to define the modern world. The key conceptual understandings covered in this unit are: what makes an historical development significant; the changing nature and usefulness of sources; the changing representations and interpretations of the past; and the historical legacy of these developments for the Western world and beyond.

Unit 2

This unit examines significant movements for change in the 20th Century that led to change in society, including people's attitudes and circumstances. Through a detailed examination of Nazism in Germany, we will investigate the ways in which individuals, groups and institutions

have challenged existing political structures, accepted social organisation, and prevailing economic models, to transform societies.

The studies in Year 12 may include: Australia in the 20th Century and The Modern World since 1945.

History General – Estimated charges: \$25

The Modern History General course will provide students with an understanding of the driving forces behind present local and global issues. Investigating the past helps us to understand why and how groups and/or societies changed or resisted change.

Students will be encouraged to use the evidence from sources to formulate and support their own interpretations and to communicate their findings in a variety of ways. This knowledge is crucial to the development of active and informed citizens in any society. The study of history ensures that they gain essential knowledge of the past, its legacy and heritage.

Unit 1

This unit allows students to become aware of the broad sweep of history and their place within the historical narrative. They will become aware of the values, beliefs and traditions within a society, the continuity between different societies and different time periods, and the importance of individuals within a time period through the study of Nelson Mandela and the fight to end apartheid in South Africa.

Unit 2

We will learn that societies consist of individuals and institutions that have various types of power and authority and that these interact with each other. Students learn how power and authority is distributed throughout a group or society, that individuals and groups seek to influence the structures of power and authority and the difficulties of using these structures in a just or equitable manner. We will make comparisons and judgments about other societies and our own society. The Authoritarian state studied will be either Communist Russia (1917 - 1953) OR Cuba (1952 -1990s).

The studies in Year 12 may include: Australia (1914-1949) and Nazi Germany or American Civil Rights.



Economics ATAR – Estimated charges: \$40

Economics investigates the choices which all people, groups and societies face as they confront the ongoing problem of satisfying their unlimited wants with limited resources. Economics aims to understand and analyse the allocation, utilisation and distribution of scarce resources that determine our wealth and wellbeing. Economics develops the knowledge, reasoning and interpretation skills that form an important component of understanding individual, business and government behaviour at the local, national and global levels.

The Economics ATAR course develops reasoning, logical thinking and interpretation skills demanded by the world of work, business and government. These skills relate to a variety of qualifications in vocational, technical and university education contexts. The learning experiences available through studying this course explore the knowledge, values and opinions which surround the complex range of economic events and issues facing our community, such as unemployment, income distribution, business strategy and international relations.

Economic literacy developed through this course enables students to actively participate in economic and financial decision-making which promotes individual and societal wealth and wellbeing.



Unit 1

This unit explores the theory that markets are an efficient way to allocate scarce resources, using real world markets with an emphasis on the Australian economy. Students examine examples of market failure along with a range of government policy options that can be applied to achieve more desirable outcomes.

This unit is an introduction to microeconomics.

Unit 2

This unit explores the government's role in a modified market economy and Australia's recent (the last ten years) and contemporary (the last three years) macroeconomic performance. The cyclical fluctuations in the level of economic activity result in changes in the levels of output, income, spending and employment in the economy which, in turn, have implications for economic growth, inflation and unemployment. Students examine the role of government, through its spending and taxing powers, which can affect the allocation and price of resources, and the level of economic activity by targeting economic objectives.

This unit is an introduction of macroeconomics and examines Australia's macroeconomic performance.

This course is a new offering for 2020. Economics is traditionally a course in which strong Maths/Science students perform well. It is highly desired by businesses as students have an understanding of the state of the economy and how consumer and business decisions impact on economic performance.

Economics General – Estimated charges: \$25

Economics explores the choices which all people, groups and societies face as they confront the ongoing problem of satisfying their unlimited wants with limited resources. The Economics General course aims to develop students' understanding of the process of economic decision making in relation to the allocation, utilisation and distribution of scarce resources. A key focus is on wealth and wellbeing. The study of Economics provides a framework for examining economic events and issues at the individual, business and societal level.

Career and Enterprise General – Estimated charges: \$20

This course is really important as it enables students to increase their knowledge of work and career choices and to identify a network of people and organisations that can help with their school-to-work transition. It will also give them the skills and confidence to establish their own pathway plan.

The Career and Enterprise General course engages students in learning about developing their career in a constantly changing digital and globalised world. Careers are now considered to be about work, learning and life. Individuals need to be proactive, enterprising career managers who engage in lifelong learning. It also aims to provide students with the knowledge, skills and understanding to enable them to be enterprising and to proactively manage their own careers.

Work, including unpaid voluntary work, is fundamentally important in defining the way we live, relate to others and in determining the opportunities we have throughout life. The world of work is complex and constantly changing. The course recognises that work both reflects and shapes the culture and values of our society.

The Career and Enterprise General course has been constructed using, and is strongly aligned to, the knowledge, skills and understandings from the Core Skills for Work Development Framework (2013) and the Australian Blueprint for Career Development (the Blueprint).



THE ARTS

The Arts represent an outlet of human expression, usually influenced by culture, and driven by human creative impulse. From prehistoric cave paintings to modern day films, art serves as a vessel for storytelling and conveying mankind's relationship with its environment. The Arts Learning Area engages students with a range of courses encouraging the development of artistic appreciation and performance skills in visual and performance arts.

Visual Art General – Estimated charges: \$50

In the Visual Arts General course students explore ways to generate and develop artworks based on their lives, personal experiences and local environment. They use a variety of inquiry approaches, techniques and processes aimed at developing a sense of observation to express personal beliefs, opinions and feelings.

Students acquire various skills using processes of experimentation and discovery. They manipulate a variety of media and materials in a range of art forms to create original artworks; discover ways to compile and record and reflect on their experiences that promote a fundamental understanding of visual language.

Students investigate the work of other artists to identify stylistic features of art forms from different times and places and explore ways to manipulate art elements and principles to generate, develop and produce their own artwork.

Media Production and Analysis General – Estimated charges: \$40

The Media Production and Analysis General course aims to prepare students for a future in a digital and interconnected world by providing the skills, knowledge and understandings to tell their own stories and interpret the stories of others.

Students are encouraged to explore, experiment and interpret their world, reflecting and analysing contemporary life, while understanding that this is done under social, cultural and institutional constraints. Students, as users and creators of media products, consider the important role of audiences and their context. This course focuses on the development of technical skills in the practical process.



Dance General – Estimated charges: \$25

The Dance General course acknowledges the interrelationship between practical and theoretical aspects of dance – the making and performing of movement and the appreciation of its meaning. Through decision-making in individual and group work, students use a wide range of creative processes, such as improvisation and the use of choreographic elements and devices to create dance works. They also learn how dance styles and forms are historically derived and culturally valued. Through dance, students experience an intrinsic sense of enjoyment and have an opportunity to achieve a high level of movement skills.

Music General – Estimated charges: \$25

The Music General course encourages students to explore a range of musical experiences, developing their musical skills and understanding, and creative and expressive potential, through a selected musical context.

The course consists of a written component incorporating aural and theory, composing and arranging, investigation and analysis, in addition to a practical component. The aural and theory content in the written component is generic, and can be adapted and extended to suit any selected context. The practical component consists of three different options and can be delivered in a different context, independent of the written component. Students select only one option, and can choose to perform on an instrument or voice, submit a composition portfolio, or complete a production/practical project.

The Music General course provides opportunities for creative expression, the development of aesthetic appreciation, and understanding and respect for music and music practices across different times, places, cultures and contexts. Students listen, compose, perform and analyse music, developing skills to confidently engage with a diverse array of musical experiences both

independently and collaboratively. Studying music may also provide a pathway for further training and employment in a range of professions within the music industry.



MATHEMATICS / SCIENCE / TECHNOLOGY

MATHEMATICS

The Mathematics courses are differentiated, each focusing on a pathway that will meet the learning needs of a particular group of senior secondary students.

Mathematics Specialist ATAR – Estimated charges: \$40

This course provides opportunities, beyond those presented in the Mathematics Methods ATAR course, to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively. Mathematics Specialist contains topics in functions and calculus that build on and deepen the ideas presented in the Mathematics Methods course, as well as demonstrate their application in many areas. The Mathematics Specialist course also extends understanding and knowledge of statistics and introduces the topics of vectors, complex numbers and matrices. Mathematics Specialist is the only ATAR Mathematics course that should not be taken as a stand-alone course and it is recommended to be studied in conjunction with the Mathematics Methods ATAR course as preparation for entry to specialised university courses such as engineering, physical sciences and mathematics.

Mathematics Methods ATAR – Estimated charges: \$40

This course focuses on the use of calculus and statistical analysis. The study of calculus provides a basis for understanding rates of change in the physical world, and includes the use of functions, their derivatives and integrals in modelling physical processes. The study of statistics develops students' ability to describe and analyse phenomena that involve uncertainty and variation.

Mathematics Methods provides a foundation for further studies in disciplines in which mathematics and statistics have important roles. It is also advantageous for further studies in the health and social sciences. In summary, this course is designed for students whose future pathways may involve mathematics and statistics and their applications in a range of disciplines at the tertiary level.

Mathematics Applications ATAR – Estimated charges: \$40

This course focuses on the use of Mathematics to solve problems in contexts that involve financial modelling, geometric and trigonometric analysis, graphical and network analysis, and growth and decay in sequences. It also provides opportunities for students to develop

systematic strategies based on the statistical investigation process for answering statistical questions that involve analysing univariate and bivariate data, including time series data.

The Mathematics Applications ATAR course is designed for students who want to extend their mathematical skills beyond Year 10 level, but whose future studies or employment pathways do not require knowledge of calculus.

The course is designed for students who have a wide range of educational and employment aspirations, including continuing their studies at university or TAFE.

Mathematics Essential General – Estimated charges: \$25

The Mathematics Essential General course focuses on using Mathematics effectively, efficiently and critically to make informed decisions. It provides students with the mathematical knowledge, skills and understanding to solve problems in real contexts for a range of workplace, personal, further learning and community settings. This course provides the opportunity for students to prepare for post-school options of employment and further training.

SCIENCE

In Years 11 and 12, for ATAR students the Science learning area provides further opportunities for specialisation. The Integrated Science course enables students to investigate science issues, in the context of the world around them.

It incorporates aspects of biology, chemistry, geology and physics, and can also include less traditional areas such as forensic science and biotechnology.

Human Biology ATAR – Estimated charges: \$40

The Human Biology ATAR course gives students a chance to explore what it is to be human, how the human body works, the origins of human variation, inheritance in humans, the evolution of the human species and population genetics. Through their investigations, students research new discoveries that increase our understanding of human dysfunction, treatments and preventative measures. Practical tasks are an integral part of this course and develop a range of laboratory skills; for example, biotechnology techniques. Students learn to evaluate risks and benefits to make informed decisions about lifestyle and health topics, such as diet, alternative medical treatments, use of chemical substances and the manipulation of fertility.

Human Biology General – Estimated charges: \$25

The Human Biology General course gives students a chance to explore how the human body works. Students focus on bones, muscles, nerves and hormones, and how they maintain the body to act in a coordinated manner. The causes and spread of disease and how humans respond to invading pathogens are studied, as well as the role of males and females in the process of reproduction.

Students investigate the body systems through real or virtual dissections and practical examination of cells, organs and systems. They research contemporary treatments for dysfunctions of the body systems and are encouraged to use ICT to interpret and communicate their findings in a variety of ways. Second-hand data is used to investigate transmission of diseases from a historical perspective and recent global incidences.

Chemistry ATAR – Estimated charges: 40

The Chemistry ATAR course equips students with the knowledge, understanding and opportunity to investigate properties and reactions of materials.

Theories and models are used to describe, explain and make predictions about chemical systems, structures and properties. Students recognise hazards and make informed, balanced decisions about chemical use and sustainable resource management. Investigations and laboratory activities develop an appreciation of the need for precision, critical analysis and informed decision making.



This course prepares students to be responsible and efficient users of specialised chemical products and processes at home or in the workplace. It also enables students to relate chemistry to other sciences, including biology, geology, medicine, molecular biology and agriculture, and prepares them for further study in the sciences.

Pre-Requisites: An 'A' or strong 'B' grade in Chemical Sciences by the end of Year 10 Science course, plus an A grade in Year 10 Mathematics.

Physics ATAR – Estimated charges \$40

In the Physics ATAR course students will learn how energy and energy transformations can shape in the environment from the small scale, in quantum leaps inside an atom's electron cloud, through the human scale, in vehicles and the human body, to the large scale, in interactions between galaxies.

Students have opportunities to develop their investigative skills and use analytical thinking to explain and predict physical phenomena.

Students plan and conduct investigations to answer a range of questions, collect and interpret data and observations and communicate their findings in an appropriate format. Problem solving and using evidence to make and justify conclusions are transferable skills that are developed in this course.

Psychology ATAR – Estimated charges \$40

Psychology is the scientific study of how people think, feel and act. It aims to answer important questions such as what factors influence human development. While there are other disciplines that overlap with psychology's main aim to understand humans, psychology is rigorous in its use of scientific method. This allows for systematic exploration into the complexities of human behaviour based on evidence gathered through planned investigations.

Pre-Requisites: A 'B' grade by the end of Year 10 Science course.



Marine and Maritime Studies General – Estimated charges: \$80

The Marine and Maritime Studies General course provides students with the opportunity to study the sea and how people interact with it. Practical learning experiences equip students with a broad range of skills and knowledge.

Students develop seamanship skills, nautical skills and water-based skills. Students investigate oceanography concepts to explore the interdependence between components of the marine environment, and consider issues around the sustainable management of Western Australian fisheries.

Integrated Science General – Estimated charges: \$25

The Integrated Science General course enables students to investigate science issues in the context of the world around them. It encourages students to develop their scientific skills of curiosity, observation, collection and analysis of evidence within the context of Marine Science and Forensic Science.

These topics include aspects of biology, chemistry, geology and physics, which encourage students to be curious about the world around them, and allow them to gain a balanced view of the benefits and challenges presented by science and technology. Students conduct practical investigations that encourage them to apply what they have learnt in class to real-world situations and systems.

Pre-Requisites: None, but an interest in Science and a strong work ethic is required.

MATERIALS DESIGNS AND TECHNOLOGIES

Metal General – Estimated charges: \$125

In this course you will use technology processes to design and produce products. You will learn knowledge about metal materials and processes necessary to work in different metal industries. This is a practical subject designed to give students the opportunity to experience aspects of working with metals in a number of different contexts. The focus will be on the application of current technology in the metal industry, including the use of common metals in machining, sheet-metal, welding and fabrication.

Wood General – Estimated charges: \$125

In this course you will learn how to safely use power tools and woodworking machine tools which are used in industry. This is a practical subject designed to give students the opportunity to experience aspects of designing, construction, furniture making, appraising and marketing wooden projects of all descriptions. This course will focus on the application of technology in the woodworking industry.



Applied Information Technology – Estimated charges: \$50

The Applied Information Technology General course provides students with the knowledge and skills to use a range of computer hardware and software to create, manipulate and communicate information in an effective, responsible and informed manner.

Students develop an understanding of computer systems; the management of data; and the use of a variety of software applications to investigate, design, construct and evaluate digital products and digital solutions. The course offers pathways to further studies and a range of technology-based careers, a set of skills that equip students for the 21st century and give them an appreciation of the impact of information technology on society.

Children, Family and Community – Estimated charges: \$55

Unit 1 - Families and Relationships

Unit 2 - Our Community

This course focuses on the relationships between individuals and families and their communities. Students examine factors influencing the growth and development of children, the needs and wants of families and how communities allocate their resources to meet these needs.

The course is theory based and students will research case studies and examine social issues and trends. They will write reports, interpret data, produce information brochures and conduct research. The practical component involves following the technology process to design product and service based solutions that are sustainable and support different groups in society. They will make a toy for a child in crisis accommodation, design a social media campaign advocating for a disadvantaged social group and produce a children's book celebrating cultural differences.

This course is suited to students interested in the health and support services industry.

*Please note Yanchep Secondary College does not participate in the virtual baby program.

Food Science & Technology – Estimated charges: \$65

Unit 1 - Food choices and health: how do your food choices impact your health?

Unit 2 - Food for communities: adapting recipes, looking at allergic reactions and disease caused by eating too much or too little food.

Unit 3 - Food Science: look at how foods react when different cooking methods are applied and which ones are the best for different types of foods.

Unit 4 - The undercover story: ways to make food more appealing, more nutritious and to last longer. Food impacts every aspect of daily life and is essential for maintaining overall health and wellbeing. The use of science and technology plays an important role in understanding how the properties of food are used to meet the needs of consumers and producers.

In the Food Science and Technology General course, students develop their interests and skills through creating a variety of recipes in class.

They develop knowledge of the:

- Sensory properties (taste, texture, flavour, appearance).
- Physical properties (food size, shape, colour, viscosity),
- Chemical properties (parts of food that enable change when food is processed) and
- Functional properties (changes to food when they are exposed to air, heat, acid or alkaline products during processing) of food and apply these in practical situations.

Students explore innovations in food and changing demands through investigation tasks. New and emerging foods encourage the design, development and marketing of a range of products and services through production tasks.

Food laws and regulations govern the production, supply and distribution of safe foods. Students develop practical food-related skills, understandings and attitudes that enhance their problem-solving abilities and decision-making skills.

Students will complete a variety of assessment tasks, 8-9 over the course of the year.
Looking at:

- Food preparation skills: workplace safety, preparing ingredients for appropriate cooking and consistency.
- Staple foods: what are the main types of meals and ingredients that are eaten by people in Australia and around the world.
- Food choices: how does advertising influence us?
- Local foods: where our food comes from and how it can be prepared.
- Nutrients & Health Issues: eating too much or too little and how it affects your body.
- EST: topics from syllabus picked by SCSA.
- How to promote food safety and prevent injury and illness in the work place.
- Eating for Health: modifying recipes to make them healthier and suitable for people with allergies.
- Baking for celebrations.
- Preservation of food products: how can we process and store foods so that they last longer and still taste delicious.
- Food Laws: how does Australia keep its food safe to eat and export? What rules do we have in place to make sure that foods from other countries are safe?

Students will develop a skill set which they can take home with them and use it to support their family and friends through healthy eating habits and knowledge of health and wellbeing.



HEALTH AND PHYSICAL EDUCATION

Health Studies ATAR – Estimated charges: \$40

In this ATAR course students explore health as a dynamic quality of life. They examine the impact of social, environmental, economic and biomedical determinants on health and their collective contribution to health disparities, as well as exploring approaches to address barriers which prevent groups from experiencing better health. Students apply inquiry skills to examine and analyse health issues, develop arguments and draw evidence-based conclusions. The course also provides students with opportunities to develop skills that will enable them to pursue careers in health promotion, research or community health care.

Health Studies General – Estimated charges: \$40

In this General course students explore health as a dynamic quality of life. They will consider the way in which beliefs and attitudes influence health decisions and learn how to plan and take action that will promote their own and the health of others. They examine the impact of social and environmental factors on health and use inquiry skills to investigate and respond to relevant issues. The course also provides students with opportunities to develop skills that will enable them to pursue careers in health promotion, research or community health care.

Physical Education Studies General – Estimated charges: \$40

Physical Education Studies contributes to the development of students' physical, social and emotional growth. The Physical Education Studies General course provides students with opportunities to understand and improve performance through the integration of theoretical concepts and practical activities. Through engagement as performers, leaders, coaches, analysts and planners of physical activity, students may develop skills that can be utilised in leisure, recreation, education, sport development, youth work, health and medical fields.

Outdoor Education General – Estimated charges: \$100

Outdoor Education provides opportunities for individuals to learn about themselves, others, the environment and their relationship to the environment, through practical experiences in the outdoors.

The Outdoor Education course enables appropriate knowledge and understanding, skills and attitudes about the outdoors to be developed by students, through a sequence of learning and experiential processes. To fulfil the requirements of the course it is important that individuals know how to swim and have a willingness to have a go when placed in challenging situations. The students are expected to attend an overnight camp.

Some of the activities that individuals will need to complete are:

- Excursion and expedition planning
- Basic Roping and climbing skills
- Camping Skills (Tents, Cooking and Navigation)
- Environmental management and awareness
- Problem Solving
- Leadership Skill Development and personal skills
- Fitness for camps
- First Aid
- Swimming and snorkelling
- Bushwalking

VOCATIONAL EDUCATION TRAINING (VET)

Yanchep Secondary College offers a number of certificate courses through an auspice arrangement or profile funding with Registered Training Organisations (RTO). These courses are delivered by trained teaching staff or by the RTO. Currently we offer those listed below, however they can change according to student interest and or school needs.

Certificate II Business – Estimated charges: \$40

Administration skills, performing a range of routine tasks generally required in an office / business occupation.

Certificate II Hospitality – Estimated charges: \$125

Provided with skills to work in various hospitality occupations, such as restaurants, hotels, motels, catering, clubs, pubs, cafes and coffee shops.

Certificate II Outdoor Recreation – Estimated charges: \$125

Provided with knowledge for indoor and outdoor recreation environments such as adventure learning centres or camps. Also given skills with operational logistics and the delivery of recreational activities.

Certificate II Agriculture – Estimated charges: \$50

Essential knowledge and skills required to run a farm, equip you with all the basics needed for general animal health, farm management and all important marketing skills.

Certificate II Construction Pathways – Estimated charges: \$50

Experience in construction, preparing you for an apprenticeship within the areas of bricklaying, tiling or plastering.





YANCHEP
SECONDARY COLLEGE

Inspire. Achieve. Succeed

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