



Course Selection Handbook
UNIT DESCRIPTORS

Semester | 2 | 2017

Welcome to the 2017 Year 7 – 10 Course Handbook.

Tallangatta Secondary College is a pivotal partner in delivering high quality state education. Our purpose is for all students to demonstrate personal and educational growth in a challenging, stimulating and innovative learning environment. Our values include Empathy, Effort, Integrity, Teamwork, Responsibility and Respect, with Learning at the center. We continue to provide a broad range of curriculum and extra-curricular programs, whilst maintaining a student-centered approach to meeting individual student needs.

We are proud to operate a Vertically Integrated Grouping (VMG) unit system of curriculum; offering semester and term length units of study within the domains of the Australian Curriculum.

Students enter the College in Year 7 to a common curriculum to support their transition from Primary school to Secondary College. It involves the core studies of domains integrated to lessen the number of teachers students have: Culture and Communication (English, Humanities and LOTE) and Life's good (Science & HPE) as well as Maths, Art and Technology. From Semester 2, Year 7 students enter our middle school (Level 1) VMG where they can choose subject themes of high interest to them, whilst still maintaining a balanced course. Level 2 and 3 subjects are available to year 8, 9 and 10 students.

Home group teachers play an active role in monitoring and advising students of subject selections and are the point of contact for parents if they have concerns or questions regarding the process. Students recognised with particular strengths or areas in need of consolidation are provided the opportunity to move up or remain within the different levels of the VMG where they can demonstrate their proficiency. We feel strongly that the VMG best serves the needs and talents of our students.

We also proudly offer extensive VET, VCAL and VCE to students in year 10 – 12 to ensure a managed individual pathway approach is taken as students' transition through the later years of schooling.



Richelle Moyle
Principal

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MIDDLE YEARS / LATER YEARS PROGRAMS

LEVEL ONE

PPL 101 Practical Project Learning

If you are seeking to understand what is involved in arranging and carrying out hands-on, real world projects, then sign up for this unit. Students will develop the relevant skills and knowledge when they become involved in the planning, organisation and physical carrying out of a project. Preliminary projects will include school improvement works, community involvement and planning an out of school expedition.

LEVEL TWO

EPI 202 Extended Project Investigation

Students wanting to follow a passion; explore a driving question and develop the necessary skills required for high level, independent research are encouraged to choose this unit. Through this study students will develop their capacity to think critically, justify and defend their research and present their research findings (written and oral) to a general audience. Student progress will be monitored through the adherence to project timelines and the use of an EPI Journal.

INTEGRATED UNITS

LEVEL TWO

IN226 Youth – Leaders in the making

In this unit, students will learn about the qualities of a leader, leadership styles and the challenges faced by leaders of different settings. Students will gain an understanding of the importance of emotional intelligence in adapting leadership approaches to suit the needs of their followers.

The students will be provided with opportunities to develop a range of leadership skills in preparation for future leadership roles. Students in year 9 will have the opportunity to apply for a position as a Peer Support Leader and/or Sports Leader in year 10. This unit will expose students to a range of activities that can be used within Peer Support and Sport and Recreation sessions to lead their groups.

Throughout the term, the students will be expected to show an improvement in their ability to manage their own learning, through knowledge of the importance of skills such as organization, time management, initiative and communication with peers, teachers and community members. They will have opportunities to demonstrate these skills through involvement in activities with the cluster primary schools and connections with the community.

ARTS

LEVEL ONE

PERFORMING ARTS

AR102 Making Music

What is music? What is style? What are the roles and functions of music in society? Students will learn basic beats and rhythms, and about patterns in music. They will improvise, compose and perform using various instruments and ideas. Students will look at the music in society and investigate the use of music in Movies, TV and Advertising. They will compose jingles for advertisements and create Mood Music using Soundscapes. They will write Rap songs to further understand the relationship between words and rhythm. Students will learn basic music notation skills, and they will listen to different styles of music and communicate what they hear, both in writing and discussion.

AR103 Keyboard for Beginners

This is a group piano class designed for beginners, students who have never had any formal lessons in piano. This is essentially a practical class, but will include some basic theory directly related to the piano. So for anyone who has always wanted to try the piano, but never had the chance or would like to try it out before committing to formal lessons, then this class is for you. Students will need to access the textbook "Master your Theory".

AR140 Acting Up

This Unit will develop performance skills - including acting, singing, movement, etc. Students will be required to analyse T.V. or film performances and also write/perform their own short script in front of a small audience. Excursion possible at student's own cost.

VISUAL ARTS

AR110 The Challenge of Drawing

Have you ever wanted to draw a car, person, house or your favourite animal? If so, this is the unit for you. The teacher will take you through simple step by step processes to enable you achieve a successful outcome. Tone and texture combined with free hand drawing will be encouraged to make your images look real. Students will be encouraged to extend their skills and will have the opportunity to branch out into some cartooning and "Manga" activities. A set of good quality B pencils (2B, 4B, 6B etc.) is recommended. Possible excursion - \$10.

AR111 Picture Making

This unit focuses on a variety of approaches to creating two-dimensional artworks. You will experience computer work, collage, scraperboard, drawing and painting. Subject matter will vary with the materials you will be using e.g. summer storm could be completed using thick acrylic paint. Students will be encouraged to choose some of their own ideas to produce Art work. There will be a focus on the Cubist art movement.

AR131 Digital Photography

Digital technology has presented many new possibilities for artists who work with images. In this unit we will touch on some of the features of the camera as well as the techniques used in Adobe Photoshop to manipulate images. An excursion to take photos outside the school will be included.

AR134 Australian Art

The place where an artwork is made can affect how and why it is made. This is certainly true for artists working in their special place "Australia". In this unit you will look at the different ways Indigenous and western artists interpret Australia in their art making, from traditional aboriginal X-ray painting colonial, Impressionist and post-modern art movements.

LEVEL TWO

PERFORMING ARTS

AR208 Applied Sound and Lighting

A term unit designed to offer students theory and practical activities to learn how to safely operate and manage audio and lighting equipment both within the school and in the community. Students involved in this class will be expected to help set up and operate the sound and light for various school assemblies, concerts etc. Pending satisfactory completion of the unit, students will be provided with a PA license/ qualification, which will enable them to independently operate basic sound and light equipment within the school. It must be noted that this is a unit for students who want to be involved in the music industry, but might not wish to perform or learn an instrument.

AR209 Music

This is a music theory subject. Students will learn all the relevant music theory that they will need to equip them as professional musicians in the future. The expectation is that students will advance both their practical and music theory levels.

VISUAL ARTS

AR215 2D & 3D Art

In this unit students will explore two and three dimensional Art forms making the link between their drawings/design and a sculptural pieces. They will explore a variety of techniques and materials and study the work of other sculptors. A research topic will be given in an area of interest to them. Students must bring the required requisites to class such as a pencil, fine liner and eraser. A small fee may be charged for some sculpture materials.

AR222 Practical Visual Communication & Design

Students will be using computer aided drawing software and conventional methods of graphical production to complete a variety of drawings that are designed to communicate with people using images rather than the written word. Students a fine liner, pencil, eraser and an A3 Visual diary.

LEVEL THREE

PERFORMING ARTS

AR303 Drama

This is a subject where you perform, direct and study drama. Students will learn relevant theory they will need to help build their confidence with presentations and performances in the future and is designed to prepare students for entry into the VCE Drama.

AR310 Music

This is a music theory subject. Students will learn all the relevant music theory that they will need to equip as professional musicians in the future and is designed to prepare students for entry into the VCE Music Program.

VISUAL ARTS

AR328 Media (Herald/Bolga)

Students will be introduced to a selection of the knowledge and skills required for a range of VCE art units, including Visual Communication Design and Media. They will learn what it means to be able to communicate visually in different techniques and formats, including photography, film, print and design, while taking into consideration the needs of the audience in different contexts. The skills and knowledge learnt will be used to assist in the production of the Bolga school magazine.

ENGLISH / LITERATURE

LEVEL ONE

LI107 Fantasy

Take an adventure in fiction writing that is set in fantasy worlds that are only limited by the imagination. Write your own fantasy stories using the techniques of fantasy authors. Create wondrous settings, larger-than-life characters and extraordinary plots. Learn how to use literary techniques to create engaging and imaginative writing. Learn how to annotate and analyse passages and write a structured response to Literature.

LI117 Mission Impossible

Spy thrillers and action stories form the basis of this Literature unit. There is a long history of spy stories, from Alex Rider to Ethan Hunt, which is part of a strong tradition of young spy characters that empower young readers. Learn how to respond creatively and analytically to Literature, analyse passages of text and improve reading comprehension.

LI123 Dreaming

This unit will help students to develop effective reading strategies, a critical response to and understanding of Dreamtime stories and myths and legends from the outback. Students will build their literacy skills, especially in the area of telling stories to one another. We will look at the many picture books that are used to tell the stories of the Dreaming and the aboriginal people of Australia. Stories from other indigenous groups may also be explored.

LI121 Australian Traditions

This unit will help students to develop effective reading strategies, a critical response to and understanding of text by examining what it means to be Australian and how Australians have and are portrayed in Literature. We will examine the stories and traditions of Australia's past and present. The life and times of Ned Kelly will be read about, viewed and discussed in detail.

LI171/271 Diverse Voices

Where is our world heading? What will our future hold for us? Many writers and film makers have explored this idea. In this unit, students will consider some of the options, dilemmas and issues which face our world today and will influence our future directions. The language focus is on reading texts, discussion, speaking, listening and writing.

LEVEL TWO

LI203 Print to Screen

Thirty percent of movies today are based on novels and a majority of bestsellers are adapted to the big screen. Why? Are a films 'true' to the original? Which is better the movie or the book? What are the differences? How does the printed word translate to a visual image? Does literature still matter? Do we need both? This unit will deal with a number of texts which have been released in print and film and will assess and evaluate each. You be the judge!

LI223 It's not a cartoon, it's ANIME

This unit focuses of developing reading strategies and personal responses to Literature and an understanding of how themes and ideas in texts comment on individual and social experiences. The popularity of Japanese anime is increasing worldwide. This unit introduces students to this contemporary form and compares it against classical American / European forms of animation. This unit will be interactive, while it builds a rigorous understanding of the medium of anime through its history, its artists, its conventions and as a cultural product.

LI225 "What a Drama"

This unit focuses of developing reading strategies and personal responses to Literature in the form of scripts and an understanding of how themes and ideas in drama are represented both through the written word as well as dramatic performance. Students will study a variety of scripts tracing the history and development of the theatre from Ancient Greece through to modern times. Whilst this unit lends itself to students with an interest in drama, a previous background or current involvement in the subject Drama is not essential.

LEVEL THREE

LI316 Classical Imaginations

This unit examines classical works across time. What does Homer reveal about the heroic code? The cultural achievements of the classical world have fired the imagination for centuries. The works of classical artists and writers have provided reference points for subsequent generations to emulate, transform or react against. In this way, classical works are subject to constant re-imagining.

HPE

LEVEL ONE

HP113 General PE

The aim of the unit is for students to become aware of and to enjoy the benefit of regular physical activity. Skill development and strategic play for major games (golf, European Handball, Ultimate Frisbee), fitness work, swimming and gymnastics will be covered. In this unit, students will develop their knowledge in the areas of drug education, mental health, sexual education and nutrition.

HP114 General PE

The aim of the unit is for students to become aware of and to enjoy the benefit of regular physical activity. Skill development and strategic play for major games (golf, European Handball, Ultimate Frisbee), fitness work, swimming and gymnastics will be covered. In this unit, students will develop their knowledge in the areas of drug education, mental health, sexual education and nutrition.

HP124 Level 1 Girls PE

This unit is for girls only. The aim of the unit is for students to become aware of and to enjoy the benefit of regular physical activity. Skill development and strategic play for major games (golf, European Handball, Ultimate Frisbee), fitness work, swimming and gymnastics will be covered. In this unit, students will develop their knowledge in the areas of drug education, mental health, sexual education and nutrition.

HP133 Boys PE

This unit is for boys only. The aim of the unit is for students to become aware of and to enjoy the benefit of regular physical activity. Skill development and strategic play for major games (touch footy, hockey, basketball, and soft cross), fitness work, and dance will be covered. In this unit, students will develop their knowledge in the areas of drug education, mental health, sexual education and nutrition.

HP106 Outdoor Education

In Term 3 the focus will be on skiing. It is aimed at developing survival skills for moving in an Alpine environment as well as direct observation of some aspect of the Alpine environment and an illustrated report of these observations. This unit will develop skiing skills in cross country, downhill and/or snowboarding, orienteering, survival skills and movement on snow. It will involve 3 trips to Alpine venues to conduct activities in Cross-country skiing, downhill skiing and snowboarding. Students will undertake a variety of activities to assess and develop personal fitness. Approximate cost - \$360 for 3 ski trips (any changes to cost will be made prior to course selection).

In Term 4 the unit involves an introduction to outdoor leisure activities in the local area. Activities may include Cycling and Traffic Safety, Yachting, Orienteering, Climbing and Bushwalking activities. Students will be required to participate in an overnight camp. Students will undertake a variety of activities to assess and develop personal fitness. Approximate Cost \$180 (any changes to cost will be advised).

LEVEL TWO

HP213 General PE

The aim of the unit is for students to increase their understanding and appreciation for the benefits of regular physical activity. Skill development and strategic play for major games (touch footy, hockey, basketball, and soft cross), fitness work, and dance will be covered. Students will also be involved in peer coaching and umpiring throughout the term. In this unit, students will develop their knowledge in the areas of drug education, mental health, sexual education and nutrition.

HP 214 General PE

The aim of the unit is for students to increase their understanding and appreciation for the benefits of regular physical activity. Skill development and strategic play for major games (touch footy, hockey, basketball, and soft cross), fitness work, and dance will be covered. Students will also be involved in peer coaching and umpiring throughout the term. In this unit, students will develop their knowledge in the areas of drug education, mental health, sexual education and nutrition.

HP223 Girls PE

This unit is for girls only. The aim of the unit is for students to increase their understanding and appreciation for the benefits of regular physical activity. Skill development and strategic play for major games (touch footy, hockey, basketball, and soft cross), fitness work, and dance will be covered. Students will also be involved in peer coaching and umpiring throughout the term. In this unit, students will develop their knowledge in the areas of drug education, mental health, sexual education and nutrition.

HP244 Sport Science Biomechanics

In this unit students will study Sport biomechanics studies the effects of forces and motion on sport performance. Using laws and principles grounded in physics that apply to human movement, athletes and coaches can make sound decisions for developing efficient sport techniques. Analyse sport movements, Select the best training exercises, Reduce or prevent injuries, Design or choose the sport equipment that best matches athletes' personal needs. Maximize economy and efficiency of movements while participating in a range of sports.

HP266 Sports Leaders

This unit is designed to give Year 9 students a chance to sample the VET course Certificate III in Recreation. It is based on learning the skills of coaching; organisation of recreational activities; and improving personal performance. It also involves developing leadership qualities which can be demonstrated both in sports settings and in general life. The unit leads straight into the Sport and Recreation course which runs for two years and is a VCE class. It is a challenging and exciting unit from which students will gain confidence and expertise in the mentioned areas.

HP203 / HP204 can be taken as a Semester length unit or for a term only.

HP203 Outdoor Ed 3

This unit will focus on skiing. It is aimed at developing survival skills for moving and camping in an Alpine environment as well as direct observation of some aspect of the Alpine environment and an illustrated report of these observations. This unit will develop skills in map reading, orienteering, survival skills and movement on snow. It will involve 3 trips to Alpine venues to conduct activities in xc skiing, downhill skiing, snowboarding and ski touring. Students will undertake a variety of activities to assess and develop personal fitness. Approximate cost - \$360 for 3 ski trips (any changes to cost will be made prior to course selection).

HP204 Outdoor Ed 4

This unit examines the ways in which humans understand and relate to the outdoors in the context of natural environments. This unit will include open-water swimming, sailing, yachting or white-water rafting, and abseiling and climbing. Approximate cost \$150 (any changes to cost will be made prior to course selection).

HUMANITIES

LEVEL ONE

HU100 The Real Game

Play the game of life and develop the essential skills for survival. Choose a career, buy a house, drive a sports car or a push bike. When you play this game you make the choices and you live with them. Where will you live? What hobbies will you take up? What will life throw at you and how will you react to this?

HU123 Hey Big Spender

In this unit you will learn about your rights both as a consumer and as an employee when you enter the workforce. You will also investigate personal financial management, why we have to pay taxes, and whether the government can help to provide a secure economic future for you. There will be an emphasis on current economic issues and resources from the financial community will be used as much as possible.

HU128 You're the Voice

Discover the power that your voice can wield. Learn how to ensure that your voice is heard. This is democracy at work. Investigate the idea of democracy by exploring the development of democratic principles over time, to the electoral system we have today. You will see that democracy is about politics and politics is about power. Find your voice in promoting Australian values and our national identity.

HU145 You and the Law

Take a look at the legal system, the police and the rights of the individual. During this unit, student find out how laws are developed, who is involved with their implementation and who enforces them. They are given the opportunity to dissect real life legal cases and consequently gain an understanding of the difference between civil and criminal law. The role the police play in enforcing the law is discussed as well as the rights of all individuals including YOU!

LEVEL TWO

HU236 Modern Australia

This unit investigates what has shaped Australian history since the Second World War. You will also investigate the major global influences on Australian society, including migration, political crisis aspects of Australian popular culture, including music, television and fashions. Students will develop and apply skills in interpreting, organising and analysing historical information.

HU247 Rights and Freedoms

What are your rights? To whom do we owe the rights that we currently have? Learn about the individuals that refuse to back down and stood up for what they truly believed in. Study their historical and social movement and how they have shaped the way we enjoy our freedoms today. Learn about what you can do to make an impact within your community and voice your opinions and ensure that our rights and freedoms are always upheld. Key features of the Australian Court and justice system will help students to understand the rights and freedoms of our society. There will be discussion around how the courts apply and interpret the law, along with principles of equality and the right of appeal.

HU283 Mind Your Business

The decisions made by a business owner will ultimately lead to success or failure. Learn what it takes to be successful. Students explore the options available when establishing a business, where to find finance and how to keep accurate records (Manual and ICT based). This unit will introduce you to basic Accounting and book-keeping principles and concepts. The skills and knowledge included will be appropriate to students preparatory to their undertaking VCE Studies.

LEVEL THREE

HU309 Business Management

Learn what it takes to successfully manage a business, large, medium and small. Explore the internal and external environments in which organisations need to operate. Investigate what makes a good ethical leader, as well what it takes to manage operations, finances and people. Students will develop skills in analysis, research and communication through presentations.

HU313 The Enterprising Workplace

Do you have what it takes to be the boss and be successful in industry? In this Unit students will explore the development of enterprising behaviour, leadership and innovation within business and the workplace. Students gain a greater understanding of the personal and technical skills required to succeed in today's ever changing workforce.

HU329 You be the Judge

This unit considers why we have laws and examines some important questions in criminal and civil law. For example, in terms of criminal law: What is a crime and what defences can be used in criminal cases? When you get a licence, what are your rights and responsibilities as a road user? How and why do we punish people who commit crimes? How does the prison system operate? In terms of civil law, we ask: Can you sue someone who causes you to suffer loss or injury? And what can you do about noisy and inconsiderate neighbours? Students will develop a wide range of research and communication skills through the presentation of written assignments and class discussion.

LOTE (INDONESIAN)

LEVEL ONE

LT121 SPEAK & WRITE INDONESIAN

Students will develop listening and speaking skills, focusing on language needed to ask for and give directions, make plans, give and accept invitations and discuss interests. Writing of letters and extended pieces will be introduced. All students are to access an Indonesian - English dictionary.

LT123 INDONESDIAN MEDIA

This unit will focus on Media Freedom in Indonesia. Examples of Television, radio and newspaper. How free is the Indonesian Press in 21st Century? How does media ownership affect journalists and audiences? To what extent are media watchdog effective? How will digital technology shape the future of Indonesia? All students are to access an Indonesian - English dictionary.

LT124 INDONESIAN CULTURE

This unit will focus on Indonesian cultural artefacts, using these as a means of deciphering the language of Indonesia and how this links with both traditional and popular culture.

LEVEL TWO

LT221 / LT303 Indonesian Expression

Knowledge of more complex language structures and dictionary skills will be developed throughout the course of this unit. Students will conduct questionnaires and surveys on a range of topics such as sport, fashion, films and music. All students are to access an Indonesian - English dictionary.

MATHS

LEVEL ONE

MA172 Level 7 Maths 2

This unit will focus on general number skills including fractions and decimals, powers, squares and reciprocals. In addition to an introduction to algebra, students will engage in an elaboration of statistics including a major project based on a survey. Students are to access a scientific calculator (\$20 - available through the office). Students may be required to print their own weekly Maths Mate homework sheets. All students are expected to complete regular HW sheets to at an appropriate level, to support their learning.

MA182 Level 8 Maths 2

This unit continues to focus on more advanced number skills including powers, squares and the development of the index laws. Students will study circles, developing an understanding of pi and the area and circumference of circles. They will complete a statistics based project, and further their understanding of equations and graphs and algebraic processes. Students are to access a scientific calculator (\$20 - available through the office). Students may be required to print their own weekly Maths Mate homework sheets. All students are expected to complete regular HW sheets to at an appropriate level, to support their learning.

LEVEL TWO

MA292 Level 9 Maths 2

Students further explore algebra through equations and graphs, continue to learn processes for algebraic manipulation, and start to develop concepts of trigonometry. They complete a project using formulae for surface area and volume of 3 dimensional shapes. Students are to access a scientific calculator (\$20 - available through the office). Students may be required to print their own weekly Maths Mate homework sheets. All students are expected to complete regular HW sheets to at an appropriate level, to support their learning.

MA212 Level 10 Maths 2

This unit is designed to consolidate skills essential for success in the Year 11 General Maths course. These include fluency in the use of measurement formulae (area and volume, Pythagoras and Trigonometry); univariate and bivariate data; understanding of coordinates and scale; algebraic manipulation and solving equations. Students are to access a scientific calculator (\$20 - available through the office). Students may be required to print their own weekly Maths Mate homework sheets. All students are expected to complete regular HW sheets to at an appropriate level, to support their learning

MA316 Level 10A Maths

**For recommended students. If you want to choose this but you're not on the list of recommended students, see your Maths teacher.*

This unit is being offered to provide recommended students with an opportunity to work at the higher end of Level 10-10A of the Victorian Curriculum. MA316 will be mainly focused on Level 10A with some elements of Level 10 included and will feature Algebra, Measurement and Geometry. It will be different to the standard MA212 class which will be mainly focused on Level 10.

SCIENCE

LEVEL ONE

SC100 Design Your Own Experiment

The focus of this unit is to develop scientific thinking strategies. Students will learn the scientific method and apply it directly to an experiment of their own design. Specific ways of answering questions will be explored and how science goes about answering questions will be used to investigate questions that are developed by the students. Practical experiments will be written up in standard scientific format and one experiment report will be created as a poster for display.

SC131 Dark Side of the Moon

This is an Earth and Space science unit. It will generally cover science skills, specifically looking at critical and creative thinking. This unit will focus on how seasons happen and how the positions of the Sun, Earth and Moon create seasons and other related phenomena (tides etc.) Eclipses will be investigated, models of the Sun, Earth and Moon will be made and used to show the relative positions that create the different eclipses.

SC132 School of Rocks

This is an Earth and Space science unit. It will generally cover science skills, specifically looking at critical and creative thinking. This unit will focus how rocks are created. The different processes that form the different types of rocks will be investigated. The timescales required to form these rocks will be explored and the processes that destroy rocks (erosion, subduction) will be looked at.

SC134 Consuming Planet Earth

This is an Earth and Space science unit. It will generally cover science skills, specifically looking at critical and creative thinking. Some of Earth's resources are renewable, but others are non-renewable; the implications of how we use resources will be explored. Water is an important resource that cycles through the environment; the processes that water uses will be looked at.

LEVEL TWO

SC211 Psyched Out

This unit will look at the eye, it will investigate the parts of the eye and how we perceive light. Vision will be looked at with a focus on colour vision and blindness, and some of the disorders that affect our vision. Our perception of light and how what our eyes see is interpreted by our brains will be studied, the limits of our eyes and the automatic adjustments that our brains make to compensate for the limits of our eyes will be investigated. Optical illusions will be studied in detail.

SC220 Discover Biology

This unit could be chosen as an introduction for those considering VCE Biology. The unit will look at cells, how they work and what they do. Also, how they operate in systems to maintain our body within limits that allows us to live and reproduce. The cell, as a basic unit of life, will be explored in detail looking at the variety of cell types and functions. How cells interact with their environment to maintain organisms will be investigated with focuses on osmosis and homeostasis. Some basic ecology will be explored.

SC246 Agriculture Science

This unit is supported by NECMA (North East Catchment Management Authority), a practical based unit that features farm visits which will include scientific investigations. We will visit La Trobe University, Bundoora, and tour the AgriBio building to explore the importance of science in today's agriculture, this will have a focus on gene technology. A project involving rearing two calves will be conducted and a report prepared that will be presented to local schools. Designing experiments and writing reports will be a feature of this unit, students will design an experiment, conduct it, and then write a laboratory report explaining the research, its findings and applications. Students will work on improving their communication skills including use of scientific language, using multiple formats to present data, and their ability to summarise and communicate results. This would be an advantage for students considering Certificate II in Agriculture.

SC252 Girls in STEM (Science, Technology, Engineering, Maths)

This unit focuses on increasing girls' understanding of and interest in STEM (Science Technology Engineering Maths). Throughout this unit, you will design, conduct and report on experiments and get a taste of the different areas of Science: Physics, Chemistry, Biology, and Psychology. You will integrate Science, Technology, Engineering and Maths through robotics. This unit will also develop your understanding of future career pathways in STEM.

LEVEL THREE

SC312 Chemistry

An excellent unit for students thinking of doing VCE Chemistry as well as catering for students with a general interest in science experiments. A broad approach covering practical work in chemistry with matching theory on some student negotiated projects and other set work.

TECHNOLOGY

LEVEL ONE

TF143 - Cooking with Success

A practical and experimental unit allowing students to further develop their knowledge and experience of foods. They will apply different processes to the food and use a range of tools and utensils for different purposes. The unit also requires students to investigate the use of food and undertake experiments so as to understand the suitability of foods for specific situations and purposes. During the term students will develop a production portfolio, complete a Design brief and a Practical test

TF144 Better Baking

Do you love Baking? The art of Baking is a fundamental skill and is important for nutrition. This unit will investigate both sweet and savoury recipes that use the cooking process, baking. A range of preparation techniques will be used in order to effectively design, produce and evaluate recipes. During the term students will develop a Production portfolio, complete a Design brief and a Practical test.

TW172 Toys in Wood

Students will design and make wooden toys. These may be toys using mechanisms to move parts, games or puzzles. Design concepts, correct use of tools and the use of appropriate material will be covered.

TM159 Metal Technology

This unit allows the student to make small metal projects using art and technology techniques. Designing, planning and producing products is the key focus.

LEVEL TWO

TF202 Café Culture

Café culture has exploded in recent years to provide a haven for socialising or hiding away from the world. Café food is comforting and tasty, familiar and welcoming at any time of the day. Students will investigate and prepare a range of foods from different cultures suitable for breakfast, morning/afternoon tea, lunch and dinner. During the term students will develop a Production portfolio, complete a Design brief and a Practical test and gain an insight into running a café by hosting events throughout the term.

TF240 Cake Art

Are you artistic or creative? This unit will offer you the necessary skills required to decorate cakes. Learn how sugar can be used to create recipes for covering, modelling and decorating cakes. A range of tools and equipment will be used to assist design ideas. During the term students will develop a Production Portfolio, complete a Design brief and a Practical test.

TF248 French Cooking / Baking

This unit is all about layering flavours and mastering basic cooking techniques. French dishes are sometimes elegant and sometimes rustic but always seasonal and full of flavour. Learn how different cooking techniques can transform ingredients and create the French classics we all know and love. During the term students will develop a Production portfolio, complete a Design brief and a Practical test.

TW272 - Wood Technology

This unit introduces students to machine tools including the lathe, drilling machines, sanders, router, jig saw and the biscuit jointer. The Unit will cover model design and different types of wood construction, safety, and machine maintenance. A special emphasis will be on wood furnishing such as the different types of wood stains and finishes available and how they are used.

TM259 - Metal Technology

This unit allows the student to design and make metal projects using art and technology techniques. Designing, planning and producing products is the key focus.