UPPER YARRA
SECONDARY COLLEGE

YEARS 9 - 10 CURRICULUM

2023

Supporting Parents and Students 2022

UPPER YARRA
SECONDARY COLLEGE

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Staff can be contacted during school hours at the College on 5967 1877 or at any time via the UYSC Compass Parent Portal.

Meetings can also be arranged with Staff. Please ensure you call the College beforehand, to arrange a time when they are available.

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UPPER YARRA SECONDARY COLLEGE CURRICULUM OVERVIEW 7-12 2023

	ENGLISH	MATHEMATICS	THE ARTS	HUMANITIES	SCIENCE	LANGUAGES	TECHNOLOGY	HEALTH/PE
YEARS 7 AND 8	ENGLISH Year 7 ENGLISH Year 8	MATHEMATICS Year 7 MATHEMATICS Year 8	ART MUSIC *(One semester each)* 3D ART VISUAL COMMUNICATION DESIGN DRAMA *(One semester each)*	FLIP (**F**uture **L**earners **I**nquiry **P**rogram) FLIP (**F**uture **L**earners **I**nquiry **P**rogram)	SCIENCE Year 7 SCIENCE Year 8	JAPANESE or LITERACY/NUMERACY JAPANESE or LITERACY/NUMERACY	DESIGN TECHNOLOGY/Wood ICT *(One semester each)* DESIGN TECHNOLOGY/STEAM DESIGN TECHNOLOGY/Food *(One semester each)*	HEALTH AND PHYSICAL EDUCATION HEALTH AND PHYSICAL EDUCATION
YEARS 9 AND 10	ENGLISH Year 9 ENGLISH Year 10	MATHEMATICS Year 9 MATHEMATICS Year 10 **ELECTIVES** Years 9 and 10 • The Greats of Mathematics • Sport Statistics *(One semester each)*	THE ARTS Years 9 and 10 **ELECTIVES Years 9 and 10** • Media • Art • Photography • Music • Drama • 3D Art • Visual Communication Design *(One semester each)*	HUMANITIES Year 9 *(History, Geography and Business)* HUMANITIES Year 10 *(History, Geography, Law & Careers)* **ELECTIVES** Years 9 and 10 • Law and Society • War and Revolution • Oceans of the World • Myths and Legends • Choose Your Own Adventure! • How to be a Boss! *(One semester each)*	SCIENCE Year 9 SCIENCE Year 10 *(One semester)* **ELECTIVES** Years 9 and 10 • Zoology • Forensic Science • Eco-lution • Dinosaurs in Space *(One semester each)*	LANGUAGES Years 9 and 10 **ELECTIVE Years 9 and 10** • Japanese *(Year-long)*	TECHNOLOGY Years 9 and 10 **ELECTIVES Years 9 and 10** Design and Technology: • Woodwork • Food Studies • Let's Bake! STEAM: • Digital Technology • STEAM in the Real World *(One semester each)* VETiS • Aviation • Vineyard • Furniture Making • Kitchen Operations	HEALTH AND PHYSICAL EDUCATION Year 9 HEALTH AND PHYSICAL EDUCATION Year 10 *(One semester)* **ELECTIVES** Years 9 and 10 • A Taste of Outdoor Education • Leadership • Coaching • Exercise and Sport Science • Duke of Edinburgh Award *(One semester each)*
VCE UNITS 1 & 2 UNITS 3 & 4	English Literature	Foundation Maths General Mathematics Mathematical Methods Specialist Mathematics	Art Creative Practice *(Art)* Art Making and Exhibiting *(Studio Arts)* Media Drama Visual Communication Design	Legal Studies History Business Management Australian and Global Politics *(Units 1 & 2)* Geography *(Units 1 & 2)*	Biology Chemistry Physics Psychology		Product Design and Technology Food Studies Systems Engineering *(Units 1 & 2)*	Health and Human Development Physical Education Outdoor and Environmental Education
VCE VM YR 11	VM Literacy *(Units 1 & 2)*	Foundation Maths *(Unit 1 & 2)* General Mathematics *(Unit 1 & 2)* VM Numeracy (2024)	VM Work-related Skills *(Units 1 & 2)*	VM Personal Development Skills *(Unit 1 & 2)*	Structured Workplace Learning *(SWPL)*	VETiS: Aviation (Remote Pilot - Visual Line of Sight) Wine Operations Furniture - Making Kitchen Operations	Product Design and Technology *(Units 1 & 2)*	
VCAL YR 12	Senior Literacy (2023) VM Literacy *(Units 3 & 4)* (2024)	Senior Numeracy (2023) VM Numeracy (2024) Foundation Maths *(Units 3 & 4)* (2024) General Mathematics *(Units 3 & 4)*	Senior Work-related Skills (2023) VM Work-related Skills *(Units 3 & 4)* (2024)	Senior Personal Development Skills (2023) VM Personal Development Skills *(Unit 3 & 4)* (2024)	Structured Workplace Learning (SWPL)		Product Design and Technology *(Units 3 & 4)* (2024)	

Years 9 & 10

Years 9 and10 Subjects 2023

Students complete the following core subjects throughout the year:

Year 9 Core Subjects

English

Mathematics

Humanities (History, Geography, Business)

Science

Health and Physical Education

Semester-length

Electives *(see below)*

Year 10 Core Subjects

English

Mathematics

Humanities (History, Geography, Law, Careers)

Semester-length

Science

Health and Physical Education

Electives *(see below)*

Years 9 and 10 Electives 2023

Students complete eight of the following semester-length subjects over two years. *Subjects run based on student interest.*

LANGUAGES *(year-long)*

- Japanese

SCIENCE

- Zoology
- Forensic Science
- Eco-lution
- Dinosaurs in Space

STEAM#

- Digital Technology
- STEAM in the Real World

MATHEMATICS

- The Greats of Mathematics
- Sport Statistics

DESIGN AND TECHNOLOGY#

- Food Studies
- Woodwork
- Let's Bake

HUMANITIES

- Law and Society
- War and Revolution
- Oceans of the World
- Myths and Legends
- Choose Your Own Adventure!
- How to be a Boss!

VETIS *(year-long)*#

- Wine Industry Operations II
- Kitchen Operations II
- Aviation (RPL) III
- Furniture Making II

THE ARTS#

- Media
- Art
- Photography
- Music
- Drama
- Visual Communication Design
- 3D Art

HEALTH AND PE

- Leadership
- A Taste of Outdoor Education#
- Coaching
- Exercise and Sport Science
- Duke of Edinburgh Award

English

English Year 9

At Year 9, students continue to focus on their reading and writing skills. They analyse and explain how images, vocabulary choices and language features distinguish the work of individual authors.

They effectively apply comprehension strategies during their class and independent reading practice and are aware of their thinking and reception of meaning as they read.

Year 9 students evaluate and integrate ideas and information from texts to form their own interpretations.

They select evidence from the text to analyse and explain how language choices and conventions are used to influence an audience. They listen for ways texts position an audience and continue to be critical readers.

Students create texts for different purposes, demonstrating how manipulating language features and images can create innovative writing pieces.

Students write texts that respond to issues, interpreting and integrating ideas from other texts.

They make presentations and contribute actively to class and group discussions, comparing and evaluating responses to ideas and issues.

They edit for effect, selecting vocabulary and grammar that contribute to the precision and persuasiveness of texts and use accurate spelling and punctuation.

English Year 10

English at Year 10 includes comprehension skills - literal, inferential and evaluative comprehension via developing critical responses, comparing texts relating to similar themes, language analysis, identifying purpose, examining format for meaning.

Students concentrate on character analysis including the motives of characters, analysis of plot and storyline and explaining techniques used to make texts engaging and effective and linking global issues represented in texts.

Students learn to think critically about media texts, analysing the language strategies used to position the reader. They also practise using language persuasively, to present arguments and evidence.

In addition, students learn writing techniques and formats, including use of genre and effective use of language, sentence structure, grammar, punctuation and syntax.

Students also study speaking and listening, utilising persuasive techniques used by speakers to influence and engage an audience.

A weekly after-school English Class provides students with the opportunity to get additional help in English.

A different teacher is rostered each week to assist students with their school work.

A weekly after-school Mathematics Class provides students with the opportunity to get additional help in Mathematics.

A different teacher is rostered each week to assist students.

THE AUSTRALIAN MATHEMATICS COMPETITION

is held each year and our high achievers are invited to partake in the event. The competition attracts approximately half a million students competing from over 30 countries. It takes place at the beginning of August.

Mathematics

Mathematics Year 9

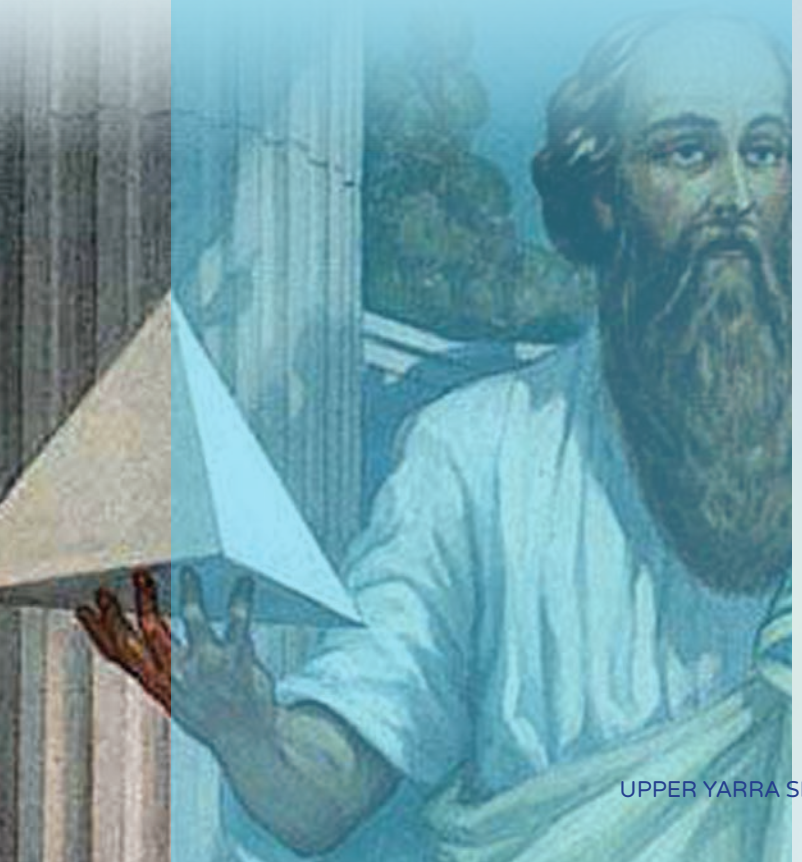
Year 9 Mathematics continues to develop students' knowledge of the key areas of mathematics.

Students set goals to complete an individualised program, working through tasks specific to their current level of understanding.

Students expand their knowledge of Probability and Statistics, Measurement and Trigonometry, Linear Equations and Graphs, Number and Finance.

Students learn by utilising a combination of online questions, worksheets, interactive games and tasks.

End of term projects give students an opportunity to apply mathematical concepts in a more hands-on, investigative, real-life approach.



Mathematics Year 10

Semester One

The first semester of Year 10 Mathematics follows the same structure as Year 9 Mathematics.

Students continue to work through individualised programs to develop their knowledge and ability. Individual goal-setting and task selection helps students to develop independence and responsibility in their learning, whilst remaining focused on the overall outcomes of each learning unit.

Semester Two

During Semester Two students continue to make decisions around their study of Mathematics.

Those students considering selecting Unit 1 and 2 Mathematical Methods in VCE will be able to choose to complete a pre-Methods course during their Year 10 Mathematics classes. Students will study Quadratic Expressions and Graphs and Trigonometric Functions to assist them in their preparation for Mathematical Methods in the following year.

Students who will not be studying Mathematical Methods in VCE will continue to develop their knowledge in preparation for the study of General Mathematics as well as Numeracy In The Real World, including Finance, Probability and Trigonometry and Pythagoras' Theorem.

Students are encouraged to purchase the Casio ClassPad Calculator, the calculator required for VCE Mathematics studies (except for Foundation Maths) to ensure that they have a familiarity with this new technology prior to undertaking their mathematics studies in VCE.

Science provides an empirical(observing and experiencing) way of answering interesting and important questions about the biological, physical and technological world.

Science

Science Year 9

Science Year 10

The Science curriculum provides opportunities for students to develop an understanding of important scientific concepts and processes, the practices used to develop scientific knowledge, the contribution of science to our culture and society, and its applications in our lives. The curriculum supports students to develop the scientific knowledge, understandings and skills to make informed decisions about local, national and global issues and to participate, if they so wish, in science-related careers.

Year 9 students study:

Semester One

Biology: An animal's response to a stimulus is coordinated by its central nervous system (brain and spinal cord); neurons transmit electrical impulses and are connected by synapses.

Multicellular organisms rely on coordinated and interdependent internal systems to respond to changes to their environment.

Chemistry: All matter is made of atoms which are composed of protons, neutrons and electrons natural radioactivity arises from the decay of nuclei in atoms.

Physics: Electric circuits can be designed for diverse purposes using different components; the operation of circuits can be explained by the concepts of voltage and current.

Semester Two

Physics: Energy transfer through different mediums can be explained using wave and particle models.

Biology: Ecosystems consist of communities of interdependent organisms and abiotic components of the environment matter and energy flow through these systems.

Chemistry: Chemical reactions, including combustion and the reactions of acids, are important in both non-living and living systems and involve energy transfer.

Different types of chemical reactions are used to produce a range of products and can occur at different rates.

Earth and Space: Global systems, including the carbon cycle, rely on interactions involving the atmosphere, biosphere, hydrosphere and lithosphere.

The theory of plate tectonics explains global patterns of geological activity and continental movement.

Science at Year 10 is a semester-long *compulsory* unit. Year 10 students study:

Chemistry: The atomic structure and properties of elements are used to organise them in the periodic table.
Different types of chemical reactions are used to produce a range of products and can occur at different rates; chemical reactions may be represented by balanced chemical equations.

Chemical reactions, including combustion and the reactions of acids, are important in both non-living and living systems and involve energy transfer.

Biology: The transmission of heritable characteristics from one generation to the next involves DNA and genes.
The theory of evolution by natural selection explains the diversity of living things and is supported by a range of scientific evidence.

Physics: The explanation of the motion of objects involves the interaction of forces and the exchange of energy and can be described and predicted using the laws of physics.

Science is a dynamic, collaborative and creative human endeavour arising from our desire to make sense of our world by exploring the unknown, investigating universal mysteries, making predictions and solving problems.

Humanities

Humanities Year 9

History

Year 9 students learn about key events from the period 1750 to 1918. Students learn about the Industrial Revolution and its impact on society, students then learn about the development of Australian society and the background, impact and legacy of World War I.

Students develop an understanding of these topics through the creation of time-lines, exploration of source materials and comparison of experiences from those times with those of today, identifying similarities and differences.

Students use an inquiry approach in their learning, developing both literacy and research skills.

Geography

Students explore the role of tourism in sharing global cultures. They investigate the benefits and problems of tourism both locally and globally.

They explore the different biomes across the world, their alteration and significance as a source of food and fibre and the environmental challenges and constraints on expanding food production in the future.

Students develop an example of a tourism website about their chosen location and develop their geospatial and literacy skills.

Business

Year 9 students explore personal financial literacy, understanding the benefits and risks. They explore the nature of the business world, identifying and understanding the purpose of a social enterprise and how it uses the resources in the world.

Humanities Year 10

The Humanities involve the study of human societies and environments, people and their cultures in the past and the present. The Humanities encourage the use of research skills and inquiry processes.

History

Year 10 students explore the interwar years and the rise of fascism in Nazi Germany and Japan. Students learn about significant events that occurred during World War 2 in Europe and Asia and at home in Australia. Students continue to develop their ability to use sources and infer meaning from propaganda and other media sources. They investigate the different experiences of men, women and children during wartime. Students use an inquiry approach in their learning, developing both literacy and research skills.

Geography

Students explore the interaction between natural and human environments and the consequences. They explore the different methods of environmental management and their implications. They investigate a topic of wellbeing, exploring how geographic circumstances have impacted the wellbeing of individuals in those areas. Students develop a presentation to propose a method to improve the wellbeing of people living in the region.

Law

Students explore the basics of criminal and civil law. They investigate the way the law applies in practice. Students evaluate the purpose of different punishments as a result of a crime and develop skills in arguing for or against the various penalties in case studies.

Careers

The focus of Careers is to assist students to make the transition from school to the workplace or further study.

Students undertake a course in Occupational Health and Safety, experience the Mock Interview process, attend Career Expos and higher educational Open Days, and prepare for their Senior School selections including VCE, VCE VM, VCAL and VET.

Health & PE

Health and Physical Education

Year 9s are timetabled three lessons per weekly cycle (three theory, three practical per fortnight)

Physical Education

In Year 9 the focus is on students becoming active participants in Physical Education. The activities covered are abstract sports that students may not have been introduced to.

Students participate in:

- Athletics
- Challenge and strategy games
- Traditional sports
- Skipping

Health

Semester One

Students also expand their understanding of character strengths and resilience within the Rubicon program.

- Respectful Relationships
- Rubicon/First Aid

Semester Two

Students investigate road safety and have the opportunity to attend the Road to Zero exhibit at the Melbourne Museum.

- Road Safety
- Contraception/STIs

Health and Physical Education

Year 10s are timetabled four lessons per weekly cycle (two theory, two practical)

Health and PE at Year 10 is a semester-long compulsory unit.

Health

Term One and Three

- Dimensions of health and wellbeing
- Lifelong physical activities
- Physical activity trends in Australia

Physical Education

Term Two and Four

- Healthy communities

Years 9 & 10

Years 9 and 10 Electives 2023

Subjects run, based on student interest.

LANGUAGES *(year-long)*

- Japanese

SCIENCE

- Zoology
- Forensic Science
- Eco-lution
- Dinosaurs in Space

HEALTH AND PE

- Leadership
- A Taste of Outdoor Education
- Coaching
- Exercise and Sport Science
- Duke of Edinburgh Award

MATHEMATICS

- The Greats of Mathematics
- Sport Statistics

STEAM#

- Digital Technology
- STEAM in the Real World

HUMANITIES

- Law and Society
- War and Revolution
- Oceans of the World
- Myths and Legends
- Choose Your Own Adventure!
- How to be a Boss!

DESIGN AND TECHNOLOGY#

- Food
- Woodwork
- Let's Bake!

THE ARTS#

- Media
- Art
- Photography
- Music
- Drama
- Visual Communication Design
- 3D Art

VETIS *(year-long)*#

- Wine Industry Operations II
- Kitchen Operations II
- Aviation (RPL) III
- Furniture Making II

electives

Languages Elective

Japanese

Students are introduced to topics such as celebrations in Japan, childhood milestones, cultural diversity and popular fast foods.

Students begin learning the Katakana script, and use it to learn words for hobbies and nationalities.

Students develop their understanding of verbs and adjectives to produce more complex written and spoken language.

They also read and view a variety of authentic texts to strengthen their language abilities and cultural awareness.

Students will practise using Japanese in activities and role-plays, and become more confident in understanding spoken Japanese while showing awareness of culturally appropriate gestures and body language.

Mathematics Electives

Sport Statistics

This elective that offers students the opportunity to identify and evaluate statistics and angles across a variety of sports.

Students will have the opportunity to collect and record their own sporting data in a weekly sports lesson that they will take into class to analyse.

The Greats of Mathematics

Do you like Maths?

Do you want to learn about the stories behind great mathematical discoveries? How and why they were made?

Do you want to develop your mathematical thinking skills?

In this elective you explore the history of the scientific, engineering, and philosophical problems encountered by great mathematicians and how they solved them with mathematical insight.

You will:

- work out maths problems independently and in small groups
- research and investigate
- take part in class discussions
- use videos as a learning tool

It is recommended that you are confident in your Mathematical abilities and wish to pursue Maths at VCE level before considering this elective.

If you are unsure, speak to your Maths teacher.

Science Electives

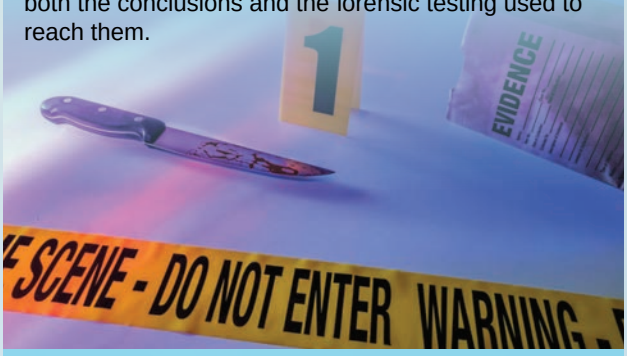
Forensic Science

Forensic Science is the application of the scientific skills, procedures and processes needed to gather and present evidence in court.

Students develop their understanding of various scientific disciplines such as pathology, entomology, toxicology, anthropology, Document Analysis and DNA profiling and develop their skills in the use of these forensic techniques.

They will be challenged to consider the ways in which relying on eyewitness testimony is unreliable, by developing their understanding of human memory and the ways in which it can be influenced.

They will learn to formulate conclusions based on available evidence and critically analyse the validity of both the conclusions and the forensic testing used to reach them.

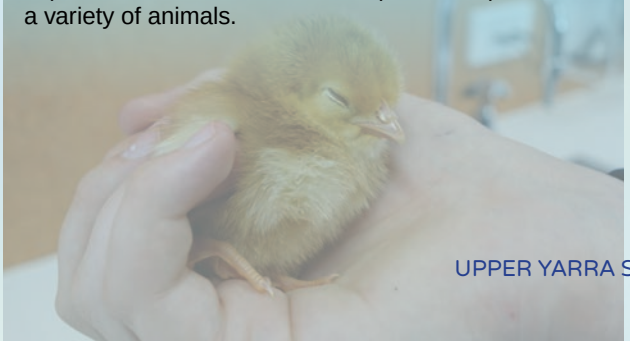


Zoology

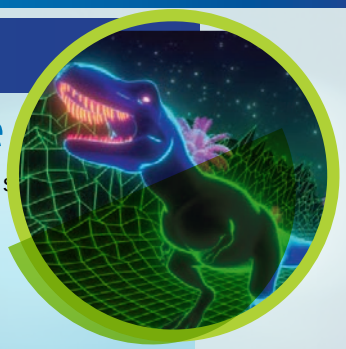
Zoology is the study of animal life throughout the world.

Students will learn about the role of the zoologist, techniques of observation, study and presentation, and their all important role in conservation.

Students study endangered species, microbiology, imprint chickens and look at the special adaptations of a variety of animals.



Dinosaurs in Space



- What is the origin of the universe, s
  planets?
- How do stars die?
- How will the universe end?
- Will we live on Mars?
- How did life evolve on Earth?
- Do aliens exist?
- Did an asteroid really kill the dinosaurs?
- What was life like in the Jurassic Era?

So many fascinating questions to explore in just one semester!

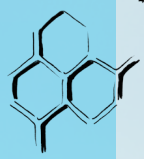
Excursions: *Astronomy Night. View stars and planets with the Science Faculty telescope at an exclusive location.*

Eco-lution

Join us on a journey learning 'Environmental' skills!

Get involved in seasonal events:

- beekeeping
- grape tasting
- fruit picking
- animal identification
- soil and water testing
- habitat and tree planting.



Develop, plan and collaborate on a project related to growing food sustainably.

Cool technology such as remote sensors, weather stations and drones will be used to demonstrate how STEAM plays a role in managing our environment.

Students will develop, plan and collaborate a sustainable project at Upper Yarra Secodary College.

electives

Design and Technology Electives

Food Studies

Food Studies provides students with a broad knowledge and understanding of food properties, processing, preparation and production.

It addresses the importance of hygiene, safe work practices, sustainability and production of food products.

Students develop practical skills in preparing and presenting food that will enable them to select and use appropriate ingredients, methods and equipment while focusing on the Design Process.

Food Studies is a practical and theoretical subject that teaches students the importance of organisation, teamwork, food science, sustainability, creating designed solutions, healthy eating, cooking skills and evaluating foods they have prepared.

Students engage in a weekly practical class, where they make a variety of different savoury and sweet recipes.

They will evaluate their products to determine sensory properties, sustainability of ingredients and healthiness of the final product. Theory classes are then used to support the practical component and build on students' knowledge and skills of food preparation.

Students who undertake this elective will be well prepared for VCE Food Studies.

Woodwork

Woodwork provides students with opportunities to engage in a diverse range of creative and practical experiences using a variety of technologies commonly used in industrial and domestic settings.

The practical ability of each student will improve as they safely gain confidence in the use of tools and equipment in the workshop environment.

Students focus on the product design process to develop products that meet specific needs and address a number of design factors. Factors such as function, aesthetics, material properties and characteristics, as well as sustainability, will be a main focus.

This elective will give students a broad range of skills from investigating design problems, generating solutions, planning and managing workshop activities, through to evaluating the effectiveness of designed solutions.

Students who undertake this elective will be well prepared for VCE Product Design and Technology.

Let's Bake!

Let's Bake! will focus on baking a variety of food products. This elective is mainly practical, with a small amount of theory.

You will learn a variety of baking techniques, from baking bread and cakes to savoury food products.

The elective aims to improve practical skills and you will have the opportunity to choose the recipes you prepare, as well as creating new recipes.

Let's Bake! will be lots of fun providing students with the opportunity to be creative and build on existing cooking skills.

electives

Design and Technology Electives

STEAM Digital Technology

In this elective, students explore the design process and how to use technology to develop solutions and products.

You learn how to design and prototype new technologies, including designing user interfaces, creating 3D models, and programming with hands-on electronics.

You learn about current and emerging technologies, how these are developed, and function, and the role that these play in your lives.

STEAM in the Real World

In this elective, students explore the design and production skills that are used in the development of new technologies, including programming, 3D modelling and printing, and electronics.

You learn about some of the ways that technology interacts and intersects with our day-to-day lives, and the increasing importance of technology in the home and workplace.

You will conduct research, develop design briefs, and create products, such as LED lamps and wearable technologies, including building prototypes and and writing code.

electives

Health and Physical Education Electives

Leadership

Leadership is entirely student-focused and student-driven.

Students are responsible for all direction of the program and decision-making regarding their roles, partnerships, assessment, and reporting procedures.

It is specifically designed to encourage students to be responsible for the direction and growth of their learning and is based around the Advance Program (Dept. Human Services Victoria).

Coaching

Students will explore the skills needed to become a coach, practising and evaluating different coaching styles. They will learn about umpiring and the rules of different sports.

They will be given the opportunity to participate in a variety of team sports, learning strategies and tactics designed to improve students' skills and ability levels with a focus on coaching.

Exercise and Sport Science

Exercise and sports science focuses on the integration of exercise and physical activity into sports performance, injury prevention and rehabilitation.

Students explore the human body systems and strengthen their understanding of how the musculoskeletal and cardiorespiratory systems work together to improve sporting performance.

Health and Physical Education Electives

Duke of Edinburgh Award

Are you looking to further your leadership skills and gain valuable experience? Start your award today!

The Duke of Edinburgh International Award - Australia is an internationally recognised program for young people.

As an Award participant you will have the chance to:

- Design your own Award program
- Set your own goals and record your progress
- Make a positive impact on the lives of others through community service
- Learn valuable practical and social skills for career development
- Take up the challenge of an adventurous journey
- Connect with other Award participants at home and abroad

You can continue with activities you're already taking part in, such as sports, or volunteering, and count these towards achieving your Award, or your Award could be an opportunity to try something new and develop a passion for something different.

There are no limits to what you can achieve!

Participation in The Duke of Edinburgh Award is widely recognised by employers and universities.

A Taste of Outdoor Education

Year 9

Students take part in classroom team-building and leadership activities. They explore sustainability,minimal impact strategies, risk-taking and safety in the outdoors and participate in rock climbing, hiking, high ropes and navigation.

Year 10

This elective offers students an opportunity to develop their awareness of the outdoor environment and how we use it:

- Teamwork and leadership skills
- Problem-solving skills and resilience
- Camping and recreational skills
- Independent skills

Students develop their knowledge in the classroom and gain a deeper understanding through expeditions and outdoor experiences. These experiences may include activities such as bush walking, navigation, surfing and canoeing.

Humanities Electives

Law and Society

Students will be given an in-depth introduction to the workings of Australia's political and legal system.

They will develop an understanding of the variety of laws that exist and assess the differences between them. They will learn how a courtroom functions and the roles of different people within the legal system.

Students will be asked to explore why and how the law changes to reflect changing society values and technological changes. As well as evaluate the problems that exist within the legal system.

They will be given the opportunity to investigate how the political system operates in Australia and have the choice of exploring this in greater detail or comparing it to another system of government.

Finally, students will develop an understanding of the concept and foundation of Human Rights. They will explore how this protects individuals within society and how it has been violated in the past, and changes that have been made to society to remove these violations.

War and Revolution

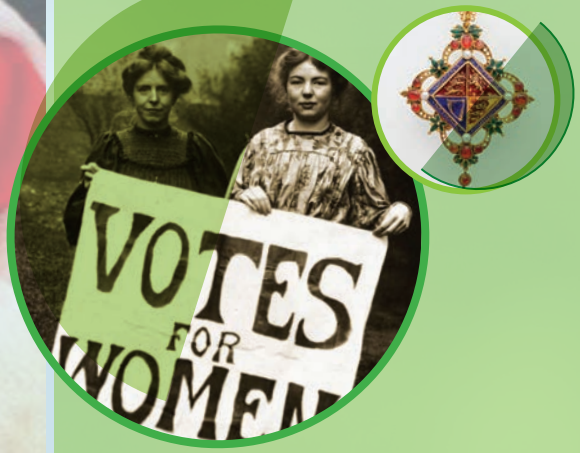
Students will be introduced to key turning points in History from 1500 to the present day. They will look at key wars and political and social revolutions that have changed the world.

War and Revolution is designed to give students the opportunity to repeat the elective in Year 9 and 10 with alternating programs each year.

In 2023, students examine the issue of Slavery and its impact on the US Civil War. They investigate the French Revolution of 1789 that brought Napoleon to power, but introduced democratic rights alongside the guillotine. They examine how the Cold War impacted life in different parts of Europe and the ultimate break-up of the Former Yugoslavia, that led to acts of Genocide.

In 2024, students examine the issue of Women's Suffrage that would ultimately lead to women gaining the right to vote in different parts of the world, but still not everywhere. They investigate the Russian Revolution of 1917 that brought Lenin to power, but led to a bloody civil war. They will examine how the Cold War led to the fear of nuclear war in the Cuban Missile Crisis and the genocide in Rwanda in 1994, driven by ethnic tensions.

Students will have the opportunity to complete an inquiry project that will see them create a museum display on a topic of their choice spanning 500 years of history – from explorers to inventors, to wars and disasters.



electives

Humanities Electives

Choose Your Own Adventure!

Do you have a topic you have always wanted to learn more about?

Do you enjoy finding out more about the world?

Do you like having a choice in what you learn about?

Then the 'Choose Your Own Adventure!' is the elective for you!

In this elective, YOU choose what you learn about.

You will write your own research questions, investigate the answers and then display your findings.

You will have the oppprotunity to develop your critical thinking skills while working on topics of your choice.

You could learn about ancient history, countries, politics, current issues or even space.

The choice is yours!

Myths and Legends

In Myths and Legends, students will explore creation myths from Ancient Civilisations, the myths of Camelot and King Arthur, and the stories of the Witch Trials.

You will analyse the different representations of these myths, from movies and images to written texts, and use these stories to inspire your own creation myth.

You will compare films to historical events, conduct research into some of the oldest mythologies in the world, and strengthen your ability to analyse connections between mythological stories and significant historical events.

Oceans of the World

About 70 percent of the Earth's surface is covered by water. Nearly 97 percent of that water is the saltwater swirling around in the world's oceans.

Oceans of the World is an exciting elective that looks at everything in ocean environments.

You will investigate weather patterns, and the rise in sea levels, focusing on melting glaciers and ice sheets.

You will learn about ocean ecosystems, marine animals and the coral reefs of the world and how climate change and pollution are impacting marine life.

You will study the seafloor and look at geological oceanography specifically focusing on volcanoes, earthquakes and tsunamis.

This elective includes an excursion to a coastal park and the Melbourne Aquarium.

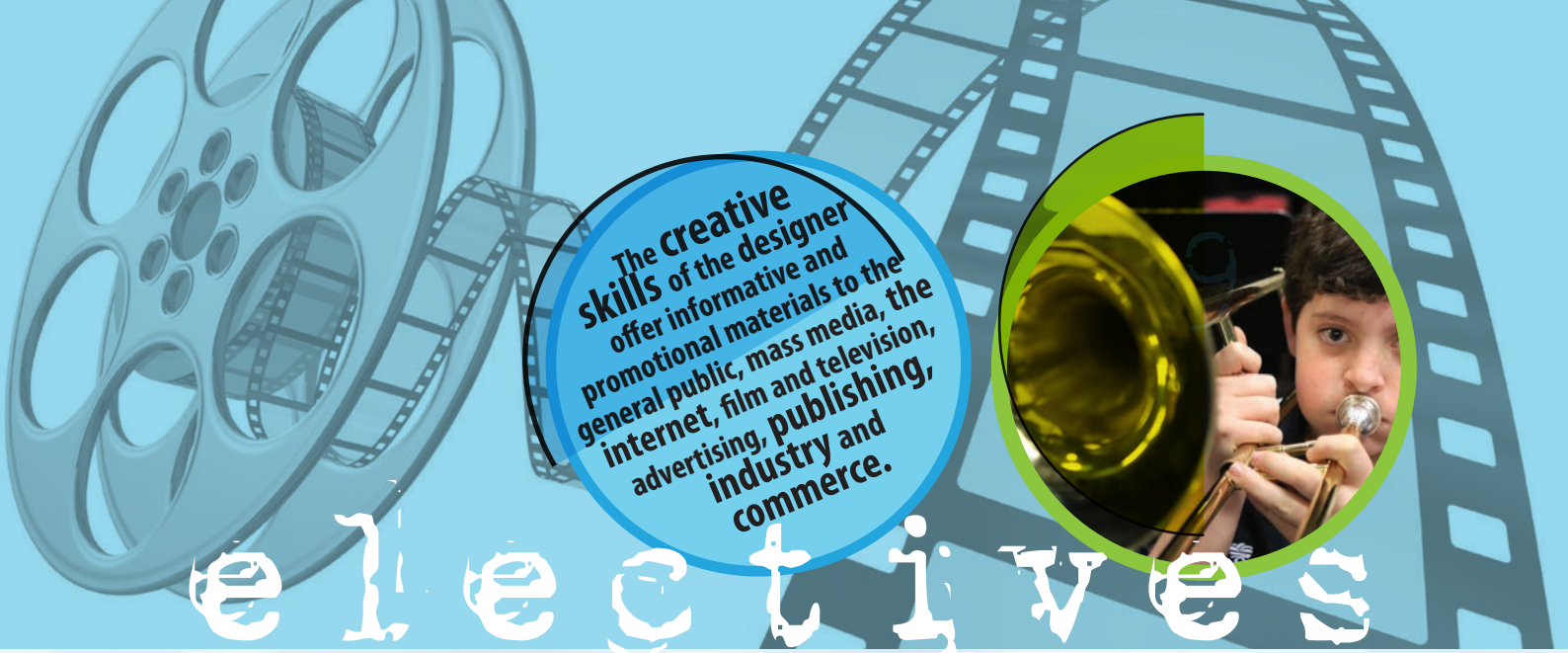
How to be a Boss

Investigate how businesses and individuals manage their money, and make decisions to increase their wealth in a globalised world.

Learn how to create marketing campaigns, organise projects and people, and think critically to find business solutions to problems in society.

Develop practical skills such as leadership, strategy, decision-making, collaboration and negotiation.

At the end of this subject, students will be better placed, now and in their adult lives to participate in economic and business activities actively and effectively, make informed consumer choices and contribute to the creation of a prosperous, sustainable and equitable Australian and global economy.



The Arts Electives

Visual Communication Design

This elective explores the connection between image, typography and visual language.

Students learn how to draw from observation as well as how to use a range of technical drawing skills and equipment. There is an emphasis on solving real world design problems.

Students use a range of tradition and digital art making methods to create pieces of visual communication that meet specific briefs across three design areas:

Communication Design

- Game Characters
- Landscapes
- Posters
- Graphic Novels
- Comic Books
- Book Illustrations
- Magazine Layouts
- Web Design

Industrial Design

- Household Items
- Furniture
- Cars
- Clothing
- Sporting Equipment (e.g. skateboards and snowboards)

Environmental Design

- Houses
- Bridges
- Buses
- Trains
- Industrial
- Complexes

Programs focussed on over the semester include Photoshop, Illustrator, Sculptris and Google SketchUp.

Media

In Media, students study and explore film, television, video, print, radio and multimedia via a series of practical exercises and selected theory topics.

Students develop an understanding of production elements and roles in production through the creation of a short film.

They participate in critical discussions about feature films, complete detailed media reviews and analyse how different media operate in different cultures.

At the completion of this elective, students will understand the role the media plays in their daily lives and have the ability to create their own high quality media products.

Music

Students are provided with opportunities to develop their music craft as an instrumentalist or vocalist.

Students will increase their knowledge of music theory and use this knowledge to improve and inform their practical skills.

Students develop their composition, improvisation and music analysis skills and work in groups and as soloists to develop extensive performance repertoires.

Photography

Students explore and learn the basic skills and processes involved in both film and digital photography.

Students are introduced to the use of 35mm and SLR film cameras and learn how to create, process and print black and white images in the school darkroom.

They explore digital photography using their phones and Digital SLR cameras to capture images. They learn to manipulate images using computer programs like Photoshop and Instagram.

Students are exposed to the history of photography and are required to respond to images that they see within contemporary society.

This elective allows students to work as part of a team and individually and will give them a solid grounding for VCE Art subjects.

electives

The Arts Electives

Drama

This elective involves students engaging in games and practical activities to develop knowledge and control of their emotions, physicality, and performance skills to communicate effectively.

They will use the skills developed during their studies to devise performances based on set stimulus, and use the space and objects around them to create performance.

Students maintain a drama logbook in which they undertake various literacy tasks and keep a record of the work undertaken in group work, such as devising and rehearsal.

3D Art

Students will create artworks across a range of three-dimensional forms.

They work with materials such as clay, wire, paper, plaster, wood, metal and textiles.

They explore themes, ideas and issues connected to three-dimensional artworks and learn techniques such as modelling, carving and assemblage.

Students will develop skills in manipulating materials using a range of tools, equipment and machines to make, produce or grow functional physical products or artworks.

Students will be involved in investigation, designing, producing, analysing and evaluating their own three-dimensional artworks. They will learn how to problem-solve and think critically about their own work and the work of others.

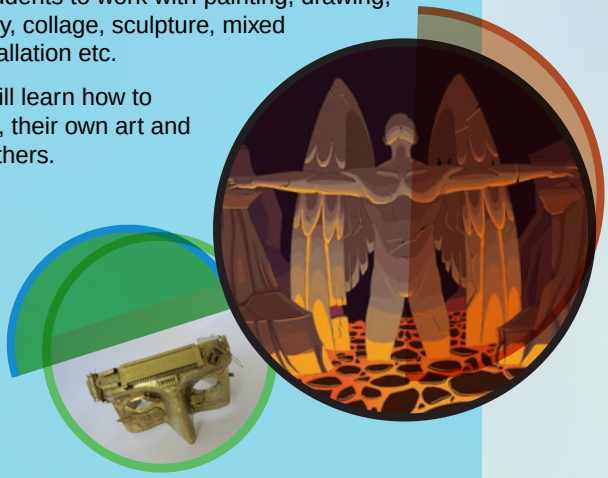
They learn about artists who work within these mediums and learn to analyse their art and working practices.

Art

Art encompasses all mediums of art and is designed to enable students to express themselves creatively through art making.

It allows students to work with painting, drawing, photography, collage, sculpture, mixed media, installation etc.

Students will learn how to analyse art, their own art and the art of others.



VET

VETiS

hands on courses

Vocational Education Training in Schools (VETiS)

VETiS

Vocational Education and Training refers to enhanced Senior School studies which enable a secondary student to combine their Senior School studies with vocational training. Students in Years 10 and 11 can commence a VET program from the selection of courses listed.

It is a two-year program combining general VCE/VCE VM studies with accredited vocational education and training. It enables students to complete a nationally recognised vocational qualification (e.g. Certificate II in Kitchen Operations) and a Senior School Certificate (VCE/VCE VM) at the same time.

Please note there is an additional cost associated with these programs.

Each program is described in detail in individual VETiS Program Flyers available from the Careers Office.

Yarra Valley VET Cluster Multiple Campuses

The Yarra Valley VET Cluster commenced in 1999, and consists of ten schools working together in cooperation to provide a large range of quality vocational education and training options to students in the Yarra Valley.

The Yarra Valley VET Cluster consists of the following schools:

- Billanook College
- Healesville High School
- Lilydale Heights College
- Lilydale High School
- Mooroolbark College
- Mount Evelyn Christian School
- Mountain District Christian School
- Mount Lilydale Mercy College
- Upper Yarra Secondary College
- Yarra Hills Secondary College

The majority of VETiS subjects occur on a Wednesday afternoon or over the whole day or half a day. Courses run with students from a number of different schools.

For most students, attendance at UYSC classes on a Wednesday morning prior to their VET course is required.

Orientation Day for all VET subjects is *Wednesday 2nd November 2022*.

VET Courses commence on *Wednesday 1st February 2023.*

fast-tracking VET/VCE subjects

VETiS Subjects

The following VET Courses are available to our students.

Certificate II Wine Industry Operations
Upper Yarra

Certificate III Aviation(Remote Pilot - Visual Line of Sight)
Upper Yarra

Certificate II Kitchen Operations#
Upper Yarra

Certificate II Furniture Making#
Upper Yarra

Certificate II Furniture Making#
Ranges Tech

Certificate II Hospitality#
Mount Lilydale

Certificate II Conservation and Ecosystems Management
Lilydale Heights

Certifcate III Community Services
Cire

Certiicate III Early Childhood Education and Care
Cire

Certificate III Acting (Screen)
Lilydale High / ACDA Boronia

Certificate II Animal Studies
Lilydale High

Certificate II Automotive (Mechanical)
Healesville High

Certificate II Building and Construction
Ranges Tech / Healesville / Mount Lilydale

Certificate II Engineering Studies#
Mount Lilydale / Ranges Tech

Certificate II Horticulture
Ranges Tech

Certificate III Music Industry (Music Performance)
Billanook / Mount Lilydale / Lilydale Heights

Certificate II Electrotechnology
Ranges Tech

Certificate II Screen and Media
Mount Lilydale / Billanook

Additional courses are available through Box Hill TAFE e.g. Certificate II Plumbing.

#These VET subjects have a study score and may also have an end of Year 12 external examination.

VCE Subjects (fast-tracking)

The following subjects are available:

Mathematics
- Mathematics General Units 1 & 2

Health and Physical Education
- Health and Human Development Units 1 & 2
- Outdoor and Environmental Studies Units 1 & 2
- Physical Education Units 1 & 2

Languages
- Japanese Units 1 & 2

Science
- Biology Units 1 & 2
- Chemistry Units 1 & 2
- Physics Units 1 & 2
- Psychology Units 1 & 2

Humanities
- Business Management Units 1 & 2
- History Units 1 & 2
- Legal Studies Units 1 & 2
- Geography Units 1 & 2
- Australian and Global Politics Units 1 & 2

The Arts
- Drama Units 1 & 2
- Media Units 1 & 2
- Art Creative Practice (Art)# Units 1 & 2
- Art Making and Exhibiting (Studio Arts)# Units 1 & 2
- Visual Communication Design# Units 1 & 2

Design and Technology
- Food Studies Units 1 & 2
- Product Design and Technology# Units 1 & 2
- Systems Engineering# Units1 & 2

VET
- Certificate II Wine Industry Operations
- Certificate III Aviation(Remote Pilot - Visual Line of Sight)

Folio

Important Note: *While all listed subjects are offered by UYSC, classes may not run in due to limited student demand.*

VETiS practical hands on courses

VET Electives at Upper Yarra Secondary College

Certificate II in Kitchen Operations

The Certificate II in Hospitality (Kitchen Operations) prepares students with a range of food preparation and cookery skills to prepare food and menu items.

It is designed to introduce students to a variety of career pathways such as traineeships and apprenticeships in the hospitality industry, e.g. chef, waiter etc. Students also wishing to pursue a career in hotel and resort management or tourism would benefit from completing the certificate.

Areas of Study

UNITS 1 & 2

- Work effectively with others
- Use food preparation equipment
- Prepare dishes using basic methods of cookery
- Clean kitchen premises and equipment
- Use hygienic practices for food safety
- Maintain the quality of perishable items
- Participate in safe work practices

UNITS 3 & 4

- Prepare appetisers and salads
- Prepare stocks, sauces and soups
- Prepare vegetable, fruit, egg and farinaceous dishes
- Use cookery skills effectively
- Prepare poultry dishes

Offers a scored program option.

Certificate II Wine Operations

Certificate II in Wine Industry Operations develops the knowledge and skills required by individuals working in production or production support in wine industry operations and is applicable across the full range of winery activities.

At the core level, students will learn to:

- implement food safety programs and procedures
- apply quality systems and procedures
- participate in work health and safety processes

A range of specialist electives also cover skills used in the following wine industry areas:

- process tasks in bottling and packaging, cellar operations and laboratory testing
- customer service tasks in cellar door
- tasks related to viticulture, harvesting and post-harvesting.

Areas of Study

CORE UNITS:

- Implement the food safety program and procedures
- Apply quality systems and procedures
- Participate in work health and safety processes

10 ELECTIVES:

Cellar Door

- Provide and present wine tourism information
- Use numerical applications in the workplace
- Participate in work teams and groups

Viticulture

- Hand prune vines
- Pick grapes by hand
- Recognise disorders and identify pests and diseases
- Carry out basic canopy maintenance
- Perform basic tests
- Operate the irrigation system
- Coordinate vineyard operations

This program is suitable for the industry skills component of a VCE/ VM VCAL course.

VET Electives at Upper Yarra Secondary College

Certificate II in Furniture Making Pathways

The VCE VET Furnishing Program aims to provide participants with the knowledge, skills, and competency that will enhance their training and employment prospects in the furnishing industries.

Areas of Study

UNITS 1 & 2

- Develop a career plan for the furnishing industry
- Participate in environmentally sustainable work practices
- Demonstrate care and apply safe practices at work
- + electives

UNITS 3 & 4

- Use furniture making sector hand and power tools
- Assemble furnishing components
- Undertake a basic furniture making project
- Make measurements and calculations

JOB OPPORTUNITIES
Furniture Maker
Cabinet Maker Kitchen
Bathroom Installer Flooring
Installer Upholsterer
Furniture Finisher

Offers a scored program option.

Certificate III in Aviation (Remote Pilot - Visual Line of Sight)

OFFERS A SCORED PROGRAM

The aim of the Certificate III in Aviation (Remote Pilot – Visual Line of Sight) is to develop the knowledge and skills required by individuals seeking to operate remotely piloted aircraft systems (RPAS) within visual line of sight (VLOS). Remote pilot duties include applying technical and non-technical aviation skills and knowledge within remotely piloted aircraft system operational environments.

The course is delivered through a combination of online and in-class training and assessment. There is a significant component of practical flying activity in the course.

Areas of Study

ACCREDITED UNITS 1 & 2, 3 & 4

- Manage human factors in remote pilot aircraft systems operations.
- Apply situational awareness in remote pilot aircraft systems operations.
- Navigate remote pilot aircraft systems.
- Complete a Notice to Airmen (NOTAM).
- Operate and manage remote pilot aircraft systems.
- Perform operational inspections on remote operated systems.
- Control remote pilot aircraft systems on the ground.
- Operate multi-rotor remote pilot aircraft systems.
- Launch, control and recover a remotely piloted aircraft.
- Manage remote pilot aircraft systems energy source requirements.
- Apply the principles of air law to remote pilot aircraft systems operations.
- Operate aeronautical radio.
- Perform infrastructure inspections using remote operated systems.
- Perform aerial mapping and modelling using remote pilot aircraft systems.

UPPER YARRA
SECONDARY COLLEGE

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