



WANGARATTA
HIGH SCHOOL

Year 10

2021

Subject Information Booklet



WANGARATTA
HIGH SCHOOL

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Key Contacts

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Michelle Bootes – Assistant Principal – Positive Climate for Learning
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John Paola – Middle Years Leader
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Learning Area Leaders

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Lisa McLean – Mathematics
Rheanna Lang – Science
Meryl Herman – Humanities
Silvia Moro – Languages
Scott Solimo – Performing Arts
Shane Castricum – Visual Arts & Digital Technology
Zelda Yeates – Health/PE
Gayle O’Keefe – Technology

Year 10 Core and Elective Curriculum

At Year 10 students undertake seven subjects each semester. These include Core English, Mathematics, Science (one semester), Health and Physical Education (including Traffic Safety) (one semester). Remaining elective subjects are chosen from Humanities, The Arts, Product Design & Technology, Languages. Students may be approved to undertake more individualised **pathway** option that may see them include an 'Acceleration' Vocational Education and Training (VET) program, or a Victorian Certificate of Education (VCE) study as part of their course whilst in Year 10.

Year 10 semester units are designed with two aims:

- To consolidate and extend skills and knowledge prescribed in the middle years of schooling by the Victorian Curriculum.
- To provide an introduction to related VCE / VET / VCAL studies.

Course Expectations

Students who successfully meet the course expectations as shown will have proven their readiness to commence a full VCE/VET/VCAL program. Students who **do not** meet these expectations will be counselled regarding their future options.

Choosing electives

Pick what you are interested in. Do you know what you would like to do when you finish school? Pick an elective that might help with that pathway. Talk to teachers if you want help. Don't pick subjects because your friends are doing them or because you like the current teacher (things can change).

Acceleration

Students wishing to accelerate into Year 11 VCE or VET subjects will need to refer to the table listing VCE subjects offered in 2021

VCE / VET acceleration studies are considered on an individual basis - students must complete and submit the relevant *Acceleration Application Form*. Students in Year 10 may be granted exemption from core Science or Humanities units if they have attained Australian Victorian Curriculum Level 10 by the end of Year 9.

Year 10 Subjects 2020							
English	Maths	Science	Humanities	The Arts	Health & PE	Technology	Language
English Extensions	Maths Extension	[core] Evolution, Motion, Chemical reactions & Memory	[electives] World war II & the Holocaust Rights, Freedoms & popular culture Enterprise & Micro Business Investigating Australian Issues	[electives] Intro to Studio Arts Photography Visual Communication Media Studies Music Performance Drama	[core] Health and Physical Education (HAPE) & Traffic Safety	[electives] Food Technology – Life Skills Catering Wood Technology – Furniture design Textiles Technology – Textile design Design and Print	[elective] Italian
Or English	General Mathematics						
Or Foundation English	Foundation Mathematics	[electives] Biology and Psychology Environmental Studies Material and Consumer Science			[electives] Outdoor Education Child Development Advanced Physical Education Girls on the Move Boys on the Move	Digital Technology	
	SEAL Maths					Digital Technology	

Acceleration VCE/VET subjects for Year 10 students (application required)							
VCE							
English 1/2	Maths 1/2	Science 1/2	Humanities 1/2	The Arts/ Performing Arts 1/2	Health/ PE 1/2	Technology 1/2	Language
Foundation English	Foundation Maths	Biology	Business Management	Studio Arts	Physical Education	Product Design & Technology Wood or Textiles	Italian
English	General Maths	Psychology	Legal Studies	Visual Communication	Health & Human Development	Food Studies	
Literature	Specialist Maths	Chemistry	History	Media Studies	Outdoor and Environmental Studies	Systems Engineering	
English Language	Maths Methods	Physics	Geography	Music Performance Drama			

VET Wangaratta High School	VET GOTafe	AgSchools Wodonga TAFE
<p><i>VCE/VET Certificate Community Services</i></p> <p><i>VCE/VET Music Industry</i></p>	<ul style="list-style-type: none"> • <i>Automotive Studies (Pre-Vocation) (VCE VET)</i> • <i>Make up</i> • <i>Building & Construction (Carpentry) (Pre-Apprenticeship) (VCE VET) (partial completion)</i> • <i>Salon Assistant (Hairdressing)</i> • <i>Health Services Assistance & Certificate III in Allied Health Assistance (Combined) (VCE VET)</i> • <i>Electrical</i> • <i>Engineering</i> • <i>Landscaping</i> • <i>Plumbing</i> • <i>Outdoor Recreation</i> • <i>etc</i> <p><i>See GOTAFE course handbook</i></p>	<p><i>SBAT – Agriculture (includes VET)</i></p>

Year 10 English

Year 10 English

The Year 10 program focuses on the study of the following texts:

The play '**Macbeth**' by William Shakespeare (text analysis).

The film '**The Dressmaker**' directed by Jocelyn Moorhouse (creative response to text).

The novel '**Animal Farm**' by George Orwell and the short film '**Pumzi**' directed by Wanuri Kahiu (comparative analysis).

A range of current informative and persuasive media texts (using language to persuade).

Students develop skills in crafting analytical essays in response to these texts as well as creating a range of written and oral multi-modal texts. They develop their speaking and listening skills by engaging in formal and informal discussions as well as planning, rehearsing and presenting oral presentations designed to influence their audience.

Pathways

The Year 10 English program is designed to prepare students for studies in **VCE English**, **VCE Literature**, **VCE English Language** and **VCAL Literacy**.

Year 10 Foundation English

The Foundation English course is designed for students who may require a more vocationally focused approach to English or may be aiming to directly enter the workforce upon completing their post-compulsory secondary studies. It may also be suited to students who need additional time and assistance to strengthen and refine their literacy skills to support their study in VCE English, VCE Literature, or VCE English Language Units 1–4 and in other VCE studies.

Pathways

After completing Foundation English Units 1 and 2 in Year 10, students may proceed to **VCE English**, **VCE Literature**, or **VCE English Language Units 1 and 2** and subsequently to Units 3 and 4 in any of the English group studies. Alternatively, they may also continue to complete **VCAL Literacy** as part of their Year 11 VCAL.

Year 10 English Extensions

The Year 10 Extensions program focuses on the study of the following texts:

- The play '**Macbeth**' by William Shakespeare (Text analysis)
- A selection of short films from '**The Turning**' produced by Robert Connelly (Creative response to text)
- The novel '**Animal Farm**' by George Orwell and the short film '**Abbreviation**' from '**The Turning**'. (Comparative analysis)
- A range of current informative and persuasive media texts (Using language to persuade)

Students develop skills in crafting analytical essays in response to these texts as well as creating a range of written and oral multi-modal texts using a range of literary and persuasive techniques and structures. They develop their speaking and listening skills by participating in formal and informal discussions as well as planning, rehearsing and presenting multi-modal oral presentations designed to influence their audience.

Pathways

The Year 10 English Extensions program is designed to prepare, and extend, students who wish to follow an academic pathway to tertiary level education and are **aiming for a high score at VCE in one or more English subjects; English, Literature or English Language.**

We strongly advise against accelerating in English as our data and experience tell us that students perform better in this subject with the maturity that an additional year brings.

Year 10 Mathematics

YEAR 10 MATHEMATICAL EXTENSIONS

Number and Algebra

Students apply mental, written or technology-assisted forms of computation as appropriate, and routinely use estimation to validate or provide bounds for their answers. Students solve problems involving linear equations and inequalities, quadratic equations and pairs of simultaneous linear equations and related graphs, with and without the use of digital technology. Students substitute into formulas, find unknown values, manipulate linear algebraic expressions, expand binomial expressions and factorise monic and simple non-monic quadratic expressions, with and without the use of digital technology. They represent linear functions numerically, graphically and algebraically, and use them to model situations and solve practical problems. Students explore the connection between tabular, graphical and algebraic representations of non-linear relations, including circles with centres at any location in the Cartesian plane. They represent linear, quadratic and exponential functions numerically, graphically and algebraically, and use them to model situations and solve practical problems.

Measurement and Geometry

Students solve practical problems in two and three dimensions involving right angles triangles, Pythagoras theorem and trigonometry. They extend the study of trigonometry to include an introduction to circular functions and equations, and extend the study of indices and exponential functions to logarithms, including an introduction to logarithmic functions.

Statistics and Probability

Students compare univariate data sets by referring to summary statistics and the shape of their displays. They describe bivariate data where the independent variable is time and use scatter-plots generated by digital technology to investigate relationships between two continuous variables.

YEAR 10 GENERAL MATHEMATICS

Number and Algebra

Students apply mental, written or technology-assisted forms of computation as appropriate, and routinely use estimation to validate or provide bounds for their answers. They solve problems involving linear equations with and without the use of digital technology. Students substitute into formulas, find unknown values, manipulate linear algebraic expressions, with and without the use of digital technology. They represent linear functions numerically, graphically and algebraically, and use them to model situations and solve practical problems.

Measurement and Geometry

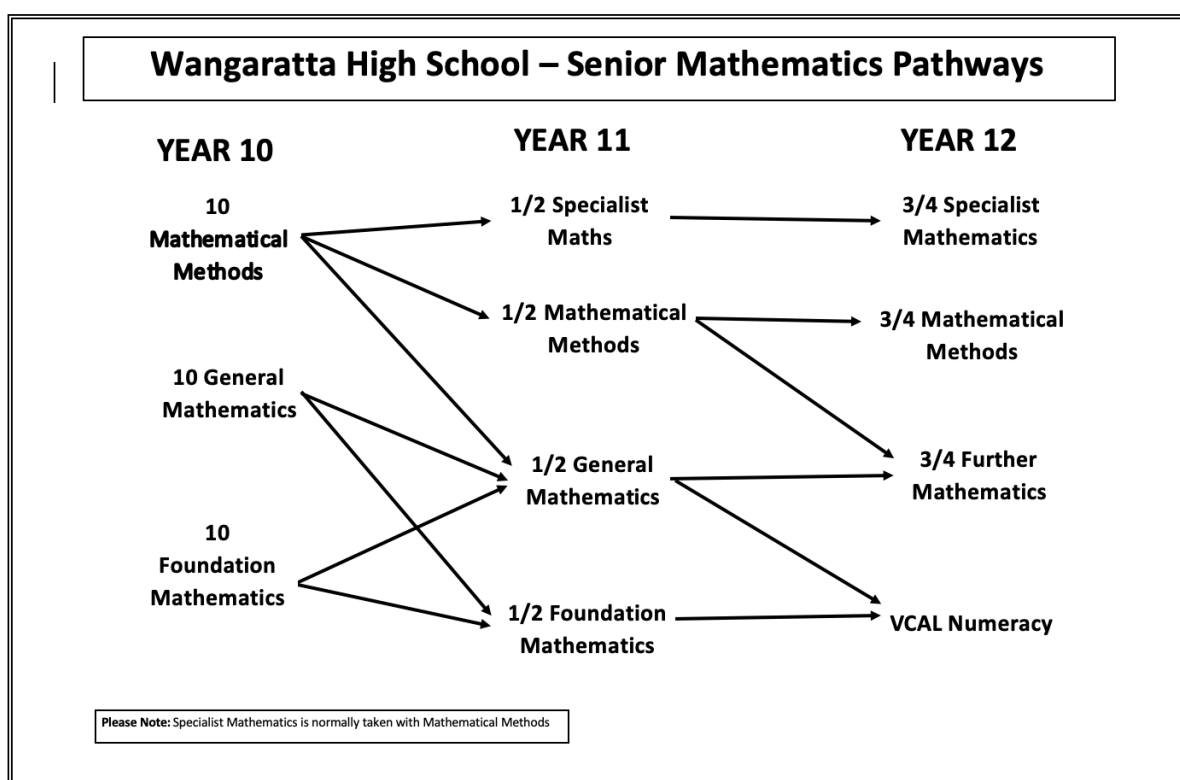
Students solve and explain surface area and volume problems relating to composite solids. They use trigonometry to solve practical problems. Students follow proofs of key geometric results involving the application of congruence and similarity.

Statistics and Probability

Students extend their work in probability to combinations of up to three events, using lists, tables, Venn diagrams, tree diagrams and grids as applicable to determine probabilities.

FOUNDATION MATHEMATICS

Students cover a similar range of areas as General Mathematics but at a slower pace to consolidate their skills.



Year 10 Science Core

YEAR 10 SCIENCE

Biology – Evolution, Physics – Motion, Chemistry – Chemical reactions, Psychology – Memory

Year 10 Science Electives

BIOLOGY, FORENSICS AND PSYCHOLOGY

This unit explores aspects of human biology, including cells, common life processes, the chemistry of common molecules, and basic body systems. The principles of inherited traits are examined in genetics, as well as genes, mutations, advances in biotechnologies, gene modifications and uses in forensic science. In forensics, students will learn to identify and make their own fingerprints. They will learn to identify lip prints, paint chips, fibres and how to investigate a crime scene. They will solve a fictitious mystery as well. In Psychology, students will learn about personalities and analyse their own personality type. They will learn how to understand behaviours of others and learn more about personality disorders.

MATERIAL AND CONSUMER SCIENCE

Student will explore the physical and chemical properties of a car. In the physics section students will study speed, motion, braking distances and the effect they have on car accidents. Students will be investigating the properties of metals and how these can be used in making cars. Other areas that will be studied include combustion, alternative fuels and the effects of alcohol.

Year 10 Humanities Electives

WORLD WAR II & THE HOLOCAUST

This subject is aimed at students interested in studying history and links to VCE courses in 20th Century History, Global Politics, and other history subjects in general. In this elective, students will learn about one of the most important periods in human history. World War II changed the world, and although it was the deadliest conflict in history, it set us on the path to the life we live today. Students will learn about the causes of the war and the big ideas that saw countries become deadly enemies. Students will be able to do a case study on a topic of your choice. This may include (but is not limited to) weapons, specific battles, battle strategy and tactics, the changing role of women, technology and innovation, spying and secret coding machines, war as represented in film, or the experiences of individuals. Students will also learn about the Holocaust, why it happened, and the lasting effects of the tragedy. **Students need to be aware they will go on an excursion to Melbourne to visit the Holocaust Museum. The cost for this will be approximately \$70.**

RIGHTS, FREEDOMS & POPULAR CULTURE

This subject is aimed at students interested in studying history and links to VCE courses in 20th Century History, Global Politics, and other history subjects in general. It is also useful for students who want to study Textiles, VCE Music subjects, Visual Arts and Performing Arts subjects as students will learn about key cultural influences of the 20th century. There are two main parts to this elective: the Civil Rights movements in the USA and Australia, and the rise of popular culture from the 1950s onwards. Slavery ended in the United States in 1865, however its legacy of racism, violence and oppression endured in the American experience. The Civil Rights Movement was an organised effort by black Americans to end racial discrimination and gain equal rights under the law. Students will learn about key people and events, as well as about groups such as the Ku Klux Klan who tried to stop the movement through violence and intimidation. With popular culture students will learn about the Cultural Revolution that went around the world after World War II, led by the Baby Boomers who wanted to live in a different kind of world and pushed back against the cultural expectations of previous generations. The phrases “make love, not war” and “sex, drugs, and rock ‘n’ roll” helped define an era of massive social upheaval. Students will learn about how this time has impacted on later generations, including themselves! Students will also do a study of a decade of their choice from the 1950s- 1990s, focusing on its popular culture influences in fashion, music, art, literature, and social/cultural movements.

ENTERPRISE & MICRO BUSINESS

This subject is aimed at students wishing to study either VCE Business Management or VET Business, and anyone interested in how to establish and operate a micro business.

In this elective students will learn about how to identify and assess the impacts of financial risks and rewards. Students will have a hands-on approach to risk taking through playing the “Stock Market Game”. Students will also develop knowledge and skills in innovation and innovative thinking, as well as learn about entrepreneurialism and how successful people have used their skills to look for opportunities and act on them when they appear. Students will learn how to set up their own micro business and will become their own “\$20 Boss”, where they are given \$20 to get a micro business idea up and running.

INVESTIGATING AUSTRALIAN ISSUES

This subject is aimed at students wishing to study either VCE Legal Studies, Global Politics, Sociology or Psychology, and anyone interested in learning about how the Australian legal and political systems work. In this elective students will learn about the influence of the media on the values of people. Students will explore ideas and issues around social media, ‘fake news’ and ‘clickbaiting’, learning how to think critically about information and where it comes from. Students will also investigate social issues that are having a significant impact on Australian society such as racism and religious extremism, as well as looking at issues that are important to Australian teenagers. Students will learn about what justice and equality in Australia means for students and our wider Australian society. Students will engage in fieldwork research where students get out into the community to find out what is affecting real people. By doing this students will develop skills in ethical data gathering which would be very useful for any student considering studying VCE Psychology or Sociology.

ENVIRONMENTAL STUDIES

This subject is aimed at students wishing to study either VCE Geography, Biology or Outdoor Education & the Environment, and anyone interested in how Australian ecosystems are managed. This elective offers students a hands-on approach to studying environmental change, the effects of people’s travel, recreational, cultural and leisure activities on Australia’s smallest biome. Through the use of localised fieldwork, students develop a variety of skills including soil testing, scat analysis, transect line interpretation, and water testing. Students will have the opportunity to discuss management techniques with experts in the field and analyse management responses to environmental change. Students need to be aware that a fee may be incurred for fieldwork.

Year 10 Languages

Year 10 Italian

Il mondo intorno a me – **The world around me**

Students will consolidate their knowledge of passato prossimo and will learn how to use imperfetto to talk about past actions. They will learn how to use comparative adjectives to compare and contrast. Students will become familiar with phrases used to ask for and give directions. They will expand their knowledge of food-related vocabulary and use it to order food in a restaurant.

L'Italia: ieri e domani – **Italy: yesterday and tomorrow**

Students will extend their ability to communicate in Italian by studying the simple future tense, il futuro, and other useful grammar elements such as pronouns, partitives and superlative adjectives. Students will then begin to explore modern Italy, including Italian cinema, professions and quality consumer products.

Year 10 The Arts (Performing Arts) electives

Year 10 Music Performance

This unit focuses on building performance and musicianship skills. Students present performances of selected group and solo music works using one or more instruments. They study the work of other performers and explore strategies to optimise their own approach to performance. They identify technical, expressive and stylistic challenges relevant to works they are preparing for performance and practise technical work to address these challenges. Students study aural, theory and analysis concepts to develop their musicianship skills and apply this knowledge when preparing and presenting performances.

Year 10 Drama

In Year 10 Drama, students will be introduced to naturalistic and non-naturalistic theatre styles. They will explore the work of some key theatrical practitioners – Stanislavski, Brecht, Artaud and Grotowski. Students will demonstrate an understanding of their theatre styles through both theory work and practical activities. The students will work in groups and will be allocated one of the theatre practitioners. They will devise a practical workshop to teach their peers about the theatrical style and techniques of their allocated practitioner.

Students will develop their theory work in preparation for VCE drama and understanding of how professional actors use a range of performance skills to create a piece of theatre. To do this, they will attend an external performance (please note there will be a cost to this excursion) and will complete a 'Performance Analysis' where they will identify and analyse a range of skills, including the theatrical conventions, dramatic elements and stagecraft used by the actors in the performance. In the second half of the semester students will be introduced to the performance style of Commedia dell'arte – an Italian comedy.

They will participate in activities that introduce them to the stock characters and will use the commedia masks to demonstrate an understanding of the characters. This performance style focuses on physical comedy. Students will work in groups to create their own piece of Commedia dell'arte theatre.

Year 10 The Arts (Visual) electives

10 Photography

In Year 10 Photography, students refine and extend their understanding and use of structure, intent, settings, viewpoints and genre conventions in their compositions. As they use media technologies they extend the use of photography techniques and digital skills. They analyse the way in which audiences make meaning and how audiences interact with and share media artworks. Methods Include: DSLR Basics, Adobe Suite, Printing Skills, Photographic Styles and Folio Production

Year 10 Introduction to Studio Arts

In Year 10, students build on their awareness of how and why artists, craftspeople and designers realise their ideas through different art practices. They refine their personal aesthetic through working and responding perceptively as an artist, craftsperson or audience. They identify and explain how artists and audiences interpret artworks through explorations of different viewpoints. Students are required to study a particular art movement, where they will then apply this knowledge and style to a relevant sculpture. Students will also develop their skills with digital applications to enhance their individual mixed media, manual and digital processes.

Methods include: sculptural and studio processes.

Year 10 Visual Communication Design

In Year 10, students build on their awareness of how designers communicate ideas with specific purpose, to a targeted audience, using different visual communication design practices and viewpoints. They refine their personal aesthetic through the development of knowledge, understanding and skills in making and responding to visual communications. Students undertake a design process, where they create their own branding for a business using digital technology. In addition to this, students study a particular design movement and apply their knowledge of this movement in an individual design process. Students will investigate ways in which they can create final presentations that meet the client needs in the brief. Tasks Include: t-shirt design process, design movement brief.

Year 10 Media Studies

In year 10, students enhance and increase their understanding and use of media through structure, intent, character, settings, viewpoints and genre conventions in their compositions. As they use media technologies they extend the use of production elements such as time, space, sound, movement and lighting. They analyse the way in which audiences make meaning and how audiences interact with and share media artworks. Tasks Include: film analyses, creation of short films, adobe suite, audio composition.

Year 10 Health and Physical Education - core

Physical Education

Year 10 Physical Education is run as a two week elective units. Students choose the sporting elective that they would like undertake. In these units students will devise, implement and refine strategies demonstrating leadership and collaboration skills when working in groups or teams. Students will also reflect on how fair play and ethical behaviour can influence the outcomes of movement activities and perform and refine specialised movement skills in challenging movement situations. Some of the sporting electives include; Yoga, Pilates, Self- defence, Squash, all Football codes, Netball, Basketball and Racquet ball.

Health Education

In year 10 health, students complete the following units. Traffic Safety, Food and Nutrition, the Health benefits of being physically active, Relationships and Sexuality. These units allow students to evaluate health information from a range of sources and apply to health decisions and situations.

The Traffic Safety Unit will allow students to study for their drivers licence, allow students to explore a range of influences on their driving skills and enable students to make safe driving choices.

Year 10 Health and Physical Education - electives

Year 10 Outdoor Education

Year 10 Outdoor Education is a great introduction to VCE Outdoor and Environmental studies. The subject covers practical activities and theory related to the outdoors. Three to four field trips are spread across the unit to put the newly acquired skills into practice. At the end of the unit, students are expected to have an understanding of clothing and equipment used for the safe participation in outdoor activities, practical skills including map reading, minimal impact bushwalking, and an understanding of hypothermia, weather reports and trip planning.

Field work Cost

Students are expected to attend all the field trips for this subject. Payment needs to be made prior to the trip.

Year 10 Child Development

Year 10 Child Development is a great introduction to VCE Health and Human Development. The subject covers the growth and development of children throughout the early childhood stages of the life span (under 5 years of age). The subject explores the following topics; pregnancy and childbirth, stages of growth and development, childhood health, nutrition and safety, play and the developing child, parenting styles and child neglect. There will be a visit to a child care centre to give students the opportunity to work with and observe children in the early childhood stages.

Year 10 Advanced Physical Education

This elective is for the student who is strongly considering the study of VCE Physical Education in years 11 and 12. This elective mainly focuses on Sports Science and would suit the student who is very keen to understand the body and its relationship with physical activity. Topics covered in this elective include exercise physiology, which covers the body systems of cardiovascular, muscular, skeletal, and respiratory. Concepts relating to skill acquisition, application of training principles and evaluation of performance will be investigated. Students who have been successful in Health and PE in Years 8 and 9 are strongly recommended to consider this elective. Independent study skills will be practised, as well as assessment in the criteria of acquire, apply and evaluate, to prepare students for study in the senior subject. A variety of physical activities will be engaged in, balanced by the theoretical foundations of this subject.

Girls on the Move

Specific Physical Education class for Year 10 Girls. This semester unit will focus on girls' fitness and will run as elective and core sports that focus on improving aerobic capacity, local muscular endurance, flexibility and core body strength. Core Sport units will include; Dance, Yoga, Gymnastics and Pilates. The remainder sport units will be elected by the class.

Boys on the Move

Specific Physical Education class for Year 10 Boys. This semester unit will focus on boys' fitness and will run as elective and core sports that focus on improving aerobic capacity, strength (including core body strength), speed and local muscular endurance. Core sport units will include; Weights, Distance and sprint running, Contact sports with tackling - Rugby/Aussie Rules/American Football. The remainder sport units will be elected by the class.

Year 10 Technology - electives

Year 10 Catering

Year 10 catering aims to further develop the student's knowledge and appreciation of food and of their food preparation and presentation skills. They will use Design briefs and the Design process to plan and manage a variety of; real-life catering situations, different diets (ie gluten free, vegetarian), different styles of food and cuisines. Students will continue to study the principles of food safety and work place safety particularly in a kitchen setting. They will undertake sensory evaluations of fresh produce, commercially produced food as well as the food they produce. Students can also learn the art of coffee making and food to enjoy with coffee. Finally the class will collaborate to use the skills learnt to undertake a major catering project.

Year 10 Food Technology – Life Skills

Food Technology is often referred to as a life skills subject as many students take the knowledge and skills learnt at school and apply it beyond the classroom. Food Technology is a practical and theoretical subject that gives students the opportunity to develop food preparation and presentation skills and techniques as well as understanding of nutritional considerations in order to produce good quality, healthy, savoury and sweet products. It addresses the importance of hygienic and safe working practices and legislation in the production of food. Students investigate the part that food plays in our society, the future of sustainable food production and the ethical issues that are also part of food production. They will also use the design process to plan, produce and evaluate a number of dishes. Pathways: Year 10 Food Technology units are designed to prepare students for studies in VCE Food Studies units 1 & 2 or VCE/VET Hospitality Certificate II.

Year 10 Textiles Technology – Textiles Design

Students use design and technology knowledge and understanding of Textile processes and production skills to produce design solutions in response to identified opportunities using fibre and fabrics. Students consider combining characteristics and properties of fibres and fabrics to create design solutions for individuals and communities whilst considering society, ethics, economic, environmental and social sustainability factors and using strategies such as life cycle thinking. Students reflect and respond to feedback from others and evaluate the use of the design process to develop solutions. Students use creativity, innovation and enterprise skills with increasing confidence and independence. Common Assessment Tasks: Investigating and designing and evaluating, folio, designer research, producing, negotiated textile article of own choice. Pathway: The Year 10 Textile unit is designed to prepare students for studies in VCE Product Design & Technology -Textiles.

Year 10 Wood Technology – Furniture Design

Students use design and technology knowledge and understanding of Wood processes and production skills to produce design solutions in response to identified opportunities using timber. Students consider combining characteristics and properties of timber to create design solutions for individuals and communities whilst considering society, ethics, economic, environmental and social sustainability factors and using strategies such as life cycle thinking. Students reflect and respond to feedback from others and evaluate the use of the design process to develop solutions. Students use creativity, innovation and enterprise skills with increasing confidence.

Common Assessment Tasks: Design Folio, produce a product of student choice.

Pathway: The Year 10 Wood unit is designed to prepare students for studies in VCE Product Design & Technology-Wood.

Year 10 Technology – Design and Print

Course outline: Hands-on course which allows students to explore a variety of hand printing and colour application techniques to create their own designs on fabric using both hand-cut stencils and computer generated stencils for screen printing onto premade clothing or an article of their choice.

Units covered:

- Fabric Design for digital printing
- Natural dyeing of fabrics
- Custom T-shirt printing (computer generated and hand cut screens)
- Block printing on fabrics using traditional wood calved technique and lino printing technique.

Year 10 Digital Technology

As part of this subject students will explore a range of programming languages, digital technologies and software packages in order to develop the skills and knowledge necessary to become confident and creative developers of digital solutions.

Learning areas covered include:

- Designing, creating, managing and evaluating sustainable and innovative digital solutions that meet and redefine current and future needs
- Using computational thinking and the key concepts of abstraction; data collection, representation and interpretation; specification, algorithms and development to create digital solutions.
- Applying systems thinking to monitor, analyse, predict and shape the interactions within and between information systems and the impact of these systems on individuals, societies, economies and environments
- Confidently using digital systems to efficiently and effectively automate the transformation of data into information and to creatively communicate ideas in a range of settings
- Applying protocols and legal practices that support safe, ethical and respectful communications and collaboration with known and unknown audiences.

Pathways: The Year 10 Digital Technology units are designed to prepare students for studies in VCE Computing **and** VCE/VET Creative & Digital Media.