



Echuca
College

DIVERSITY OF
STRENGTH

2022

Year 9 Course Selection Handbook

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YEAR 9 OVERVIEW

The curriculum structure of Year 9 at Echuca College is broad and engaging. Students are given some flexibility in elective choice whilst the core, compulsory subjects aim to provide students with the necessary background as they approach their non-compulsory schooling years. An increasing variety of elective programs makes it possible for students to explore areas which have sparked their interest and curiosity.

The Year 9 program is designed to equip young people with the knowledge, skills and behaviours that enable them to engage fully with the social and technological environment of the future.

The Year 9 program has a number of key features including developing critical and creative thinking skills as well as enhancing the ability of students to work collaboratively in teams.

The highlight for students within the Year 9 curriculum is the subject 'Real Futures'. Students will learn about the world of work and investigate the varied opportunities available to them in regards to future career pathways. They will be assisted to write a job application and prepare a resume. Through their involvement in Beacon led programs such as the 'Mock Interview' day and the 'Interview Tech' session, students will further develop their skills in communication and personal presentation. Students will be assisted to discover their own strengths and consider how they could meet their own future goals. They will participate in activities that help them to consider who and what influences their own lives and how they can influence the lives of others by contributing to the community. Throughout the year, students will attend programs provided by the Beacon Foundation that will assist with career planning such as the Beacon pledge day, Careers Expo and Youth Expo.

Year 9 Sample Program:

Semester 1	Maths 5 Periods	English 5 Periods	Humanities 4 Periods	Science 4 Periods	Real Futures 4 Periods	Elective 1 4 Periods	Elective 3 4 Periods
Semester 2	Maths 5 Periods	English 5 Periods	Humanities 4 Periods	Science 4 Periods	Health 4 Periods	Elective 2 4 Periods	Elective 4 4 Periods

Year 9 English

In Year 9, students interact with peers, teachers, individuals, groups and community members in a range of face-to-face and online/virtual environments.

Students will continue to consolidate and extend what they have learned from previous years. They also extend their understanding of how language works and learn to transfer this knowledge to different contexts.

Students engage with a variety of texts for enjoyment. They interpret, create, evaluate, discuss and perform a wide range of literary texts with aesthetic, persuasive and informative styles. These text types include newspaper articles, films, novels, non-fiction and poetry. In Year 9, students will develop a more critical understanding of contemporary media.

Literary texts help students to become independent readers by exposing them to a variety of text types and support them to explore themes of different life experiences, cultures, relationships, and global issues in the real world. Students develop skills of writing informative texts representing information about a wide range of specific topics including the use of appropriate vocabulary, figurative language, graphs and visual information.

Reading and Viewing:

Students analyse different texts and interpret how authors use images, vocabulary choices and language features in different ways to influence the audience. Reading involves students being able to reflect on their personal understanding of the world and develop their human experience by interpreting various representations of life in texts.

Writing:

Students create imaginative, informative and persuasive texts that present a point of view and clear arguments. They edit for effect and they select vocabulary and grammar that contributes to a more convincing argument. Students use correct spelling and punctuation and publish their work using a range of mediums including digital software.

Speaking and Listening:

Students will understand that different audio texts position the audience differently, and by comparing their observations with their classmates' observations, students will learn that the same text can be interpreted and understood differently. Students will create engaging and original presentations with depth of meaning, using many language techniques, and the referencing of other texts in the genre.

Assessment

- Textual annotation
- Creative response to texts
- Analytical response to texts
- Narrative writing
- Oral presentation

Resources/camps/excursions

You are expected to purchase the novels being studied, as listed in the booklist

Pathways

- Literature
- English Language
- VCAL Literacy

Complimentary Subjects

The skills and ideas learned in English are applicable to all subjects studied.

Year 9 Advanced Mathematics

The Year 9 Mathematics syllabus aims to give students a wide range of skills and is divided into two different streams. The Year 9 Advanced Mathematics stream is for students who have coped reasonably well with Mathematics at Year 8. Students who take this pathway are prepared for all levels of Mathematics in further VCE Mathematical studies.

Students will be able to:

- consolidate and extend work done in previous years
- revise and extend algebraic skills
- develop an appreciation for problem solving and projects
- develop the ability to work in groups in order to stimulate ideas
- gain confidence and satisfaction in learning new skills

Topic covered include:

- Pythagoras Theorem
- Number and financial maths
- Indices
- Trigonometry
- Measurement
- Linear relationships
- Statistics and probability
- Non-linear relationships
- Geometric reasoning

It is strongly recommended that students complete the highest level of mathematics at which they are capable to maximise their opportunities in the future. Please don't hesitate to contact your Maths teacher if you need further guidance with possible pathways.

Assessment

- Common assessment tasks
- Essential assessment digital program

Resources/camps/excursions

- Year 9 maths textbook
- Workbook
- Scientific Calculator

Pathways

- Unit 1 & 2 General Maths
- Unit 1 & 2 Maths Methods
- Unit 1 & 2 Specialist Maths

Complimentary Subjects

- Year 9 Science

Year 9 General Mathematics

The Year 9 Mathematics syllabus aims to give students a wide range of skills and is divided into two different streams. The Year 9 General Mathematics stream is for students who may, at times, find mathematics challenging. Students who take this pathway are prepared for VCAL Numeracy as well as General and Further Mathematics at VCE.

Students will be able to:

- consolidate work done in previous years
- develop basic algebraic skills
- develop an appreciation for problem solving and projects
- develop the ability to work in groups in order to stimulate ideas
- gain confidence and satisfaction in learning new skills

Topic covered include:

- Pythagoras Theorem
- Number and Financial Mathematics -
- Algebra
- Measurement
- Linear Relationships
- Statistics and Probability
- Trigonometry
- Geometric Reasoning

We strongly recommended that students complete the highest level of mathematics at which they are capable to maximise their opportunities in the future. Please don't hesitate to contact your Maths teacher if you need further guidance with possible pathways.

Assessment

- Common assessment tasks
- Essential assessment digital program

Resources/camps/excursions

- Year 9 maths textbook
- Workbook
- Scientific Calculator

Pathways

- Yr 10 General Maths
- Unit 1 & 2 General Maths
- VCAL Numeracy

Complimentary Subjects

- Sciences

Year 9 Science

In this class, students are involved in written work, reading tasks, class discussion, research assignments, interactive IT tasks, problem solving, practical tasks and student designed scientific research. They encounter areas of Science including Biology, Chemistry, Physics and Environmental Science.

Biology

Body Coordination

- Coordinated Body Systems
- Nervous Control
- Chemical Control

Disease

- Infectious disease
- Other sources of infection
- Environmental diseases

Chemistry

Reaction Types

- Combustion and corrosion reactions
- Acid reactions
- Reactions of Life
- Nuclear reactions

Physics

Heat, Light and Sound

- Heat transfer
- Sound, types of waves and transmission
- Light, laws of reflection and types of lenses
- Hearing and Seeing

Electricity

- Simple circuits
- Measuring electricity
- Practical circuits
- Electromagnets, motors and generators

Bridges

- Types of bridges
- Bridge construction
- Student designed practical project

Assessment

- Formal tests (CATs)
- Practical experiments
- Research assignments
- Interactive tasks

Resources/camps/excursions

- Stationary
- Notebooks
- Possible excursion/incursion

Pathways

- Year 10
Agriculture/Horticulture,
Biology, Chemistry, Physics,
Psychology
- VCE Ag/Hort, Biology,
Chemistry, Physics,
Psychology
- All Science, Health, Sports
Fitness, Medical Degrees
- Hospitality

Complimentary Subjects

- Mathematics
- English
- PE
- Health
- Technology subjects

Year 9 Humanities

In Year 9 humanities students will study history, economics, geography and civics and citizenship.

The following topics will be covered:

- The Industrial Revolution
- Biomes and Food Security
- Economics and Personal Finances
- Australia's Political System
- The Making of Australia
- World War 1

Students will study the history of the making of the modern world from 1750 to 1918. They will form an understanding of the movements of people during this time, technological developments contributing to change, imperialism during this period and the significance of World War I.

Geographical knowledge will be developed through the study of personal and global patterns of food production and consumption, the impact environmental issues have on food security and an investigation of environmental stability with an emphasis on Australia's connectedness within its region and the world.

In Economics students will develop an understanding of how our economy operates and develop personal financial literacy skills.

Civics and Citizenship will help students to develop their knowledge of some of the broader issues of global citizenship. Part of this curriculum will be the study of the Australian political system and the High Court of Australia.

Assessment

- Research reports
- Essays
- Projects
- Analysis

Resources/camps/excursions

- Students must have a device with them in class

Pathways

- History
- Geography
- Politics
- Philosophy
- The law
- Economics and Business

Complimentary Subjects

- Y10 History
- Y10 Geography
- Y10 Humanism and Politics
- Y10 The Law and You
- Y10 Economics

Year 9 Real Futures

Students will learn about the world of work and investigate the varied opportunities available to them in regard to future career pathways. They will be assisted to write a job application and prepare a resume.

Through their involvement in Beacon led programs such as the 'Mock Interview' day and the 'Interview Tech' session students will further develop their skills in communication and personal presentation. Students will be assisted to discover their own strengths and consider how they could meet their own future goals. They will participate in activities that help them to consider who and what influences their own lives and how they can influence the lives of others by contributing to the community.

Throughout the year students will attend programs provided by the Beacon Foundation that will assist with career planning such as the Beacon pledge day, Careers Expo and Youth Expo.

Areas studied in this class:

- History of work
- Future of work
- Employability skills
- Investigating careers and pathways
- Applying for jobs
- Occupations Health and Safety
- Earning an income
- Communities

Assessment

- Research reports
- Essays
- Projects
- Analysis

Resources/camps/excursions

- Students must have a device with them in class

Pathways

- Entering the workforce
- Economics and Business
- Community Engagement

Complimentary Subjects

- Y10 History
- Y10 Geography
- Y10 Humanism and Politics
- Y10 The Law and You
- Y10 Economics

Year 9 Health

Students will develop understanding and skills in relation to dealing with relationships when there is an imbalance of power such as bullying, harassment, discrimination and violence (including discrimination based on race, gender and sexuality). Students develop knowledge, understanding and skills to make safe decisions and behave in ways that protect their own safety and that of others.

Topics covered include:

Sex Education

Recognition and expression of emotions

- Students reflect critically on their emotional responses to challenging situations in a wide range of contexts.

Development of Resilience

- Students evaluate personal characteristics, strategies and sources of support used to cope with stressful situations/life challenges.

Social Awareness, Management, Relationships and Diversity

- Students analyse factors that influence different types of relationships and apply and evaluate strategies to prevent and resolve conflict

Mental Health

Recognition and expression of emotions:

- Students reflect critically on their emotional responses to challenging situations in a wide range of contexts.

Development of Resilience

- Students demonstrate persistence, motivation, initiative and decision-making through completion of challenging tasks.
- Students evaluate personal characteristics, strategies and sources of support used to cope with stressful situations/life challenges.

Social Awareness, Management, Relationships and Diversity

- Students analyse the effects of actions that repress human rights and limit the expression of diverse views and evaluate strategies to prevent and resolve conflicts in a range of contexts.

Drugs

Classification of drugs

- Students will cover the ways legal and illicit drugs are classified
- Students will investigate the effects of legal and illicit drugs on the body.

Safe and unsafe behaviours

- Students will investigate ways that drugs can contribute to unsafe behaviours
- Students will analyse ways to avoid unsafe situations in social settings in relation to drug taking behaviours.

Nutrition

Nutrients

- Students will explore macro and micro nutrients and their role in bodily functions
- Students will analyse recommended food intake based on the Australian Guide to Healthy Eating.

Recommended physical activity

- Students will investigate the importance of physical activity and healthy lifestyles

Assessment

- Nutrition CAT
- Drug CAT
- Sexual Education CAT

Resources/camps/excursions

- Workbook

Pathways

- Unit 1 & 2 Health and Human Development
- Unit 3 & 4 Health and Human Development
- VET 1 & 2 Community Services
- Bachelor of Health Promotion
- Bachelor of Health Sciences
- Dietitian
- Medical pathways

Complimentary Subjects

- Year 9 PE

Progressive

Respect

Inclusive

Diversity

Excellence

Year 9 Indonesian

This subject runs for the entire year and is designed to build on language skills founded in Year 8. Indonesian is recommended for students who enjoy language learning and would like to broaden their opportunities for employment, further study and travel.

During this course, students will:

- Use Indonesian to communicate about the self and personality traits through spoken and written communication
- Study work opportunities and occupations in Indonesia, as well as workforce partnerships with Australia
- Learn about different dishes and cook delicious Indonesian cuisine
- Compare opportunities for study, travel and employment between Indonesia and Australia
- Explore travel around the Indonesian islands and the cultural differences between each
- Learn about the grammatical structures of Indonesian prefixes and suffixes, as well as the object focus construction.
- Build on vocabulary learnt in Year 8 and continue to expand language use
- Recognise informal and formal vocabulary and use it in the correct context
- Consider their own reactions in intercultural encounters and reflect on how these may relate to their own assumptions and identity, as well as considering how they may also be perceived by others

Assessment

- Spoken commentary about how to make an Indonesian dish
- Identifying spoken Indonesian and responding in writing
- Written diary entry
- Comprehension task identifying, and applying, grammatical structures

Resources/camps/excursions

- Melbourne excursion (Indonesian shops and restaurants)
- Visit to the Indonesian Consular General

Pathways

- Year 10 Indonesian
- VCE Unit 1 – 4 Indonesian
- English Language 1-4
- VCE Australian History

Complimentary Subjects

- Humanities
- Food Technology

Year 9 PE General

This class will give students a range of opportunities to participate in a diverse mix of sports as well as the opportunity to gain an understanding of various strategies that can be applied in each sport. The theory classes will explore the benefits and role of fitness testing for general improvement and an introduction into how the body functions during physical activity.

Theory topics to be covered:

Fitness Testing

- Physical components of fitness
- Tests to measure fitness components
- Physical testing norms across age ranges
- Benefits of physical activity
- Training plans

Muscular & Skeletal Systems

- Role of the muscular system
- Types of muscles
- Muscles of the body
- Improving the muscular system
- Role of the skeletal system
- Types of bones
- Types of joints
- Bones of the body

Cardiovascular System

- Role of the cardiovascular system
- Anatomy of the cardiovascular system
- Benefits of healthy cardiovascular system

Practical topics that may be covered:

- Fitness Testing
- Tennis
- Cricket
- Soccer
- Netball
- Basketball
- Golf
- Volleyball
- AFL

Assessment

- Structured tests
- Practical participation
- Analysis of fitness testing

Resources/camps/excursions

- Workbook
- Sports Uniform

Pathways

- Unit 1 & 2 Physical Education
- Cert II & III VCE/VET Sport and Recreation
- Bachelor in Physical Education
- Bachelor in Human Movement
- Sport Sciences
- Certificate II, III, IV in Fitness
- Diploma of Fitness
- Diploma of Sport Development

Complimentary Subjects

- Biology
- Health and Human Development
- Psychology
- VCE/VET Sport and Recreation

Year 9 Team Sports

This subject offers the unique opportunity to increase student contribution to the management and operation of the unit. The provision of specific roles (coach, captain, team Manager & umpire) based on a weekly rotation policy ensures that purpose and direction is ever present, and familiarity of multiple roles can be properly achieved.

The students have the opportunity to refine their abilities to perform the related physical skills relating to the specific sport. These skills will be performed under varying conditions, including simple skill development, modified game and competition environments.

Through student participation within the designated 'Team Tactical & Strategy' and competition (tournament) phases of the SEPEP unit, are provided significant opportunity to identify, develop and implement tactical approaches within game sense scenarios.

Learning Outcomes:

Knowledge:

- Develop a tactical awareness and understanding in a range of striking/fielding and net/wall games
- Express an understanding of Game Sense for teaching striking/fielding, net/wall games.
- Demonstrate an understanding of the Sport Education in Physical Education Program (SEPEP) model

Skills:

- Develop effective questioning techniques that can stimulate critical thinking, dialogue and cooperation between students
- Design tasks to assess student tactical awareness in striking/fielding and net/wall games
- Demonstrate the ability to guide student learning within a SEPEP unit of work.

Application of knowledge and skills:

- Apply fundamental and sport skills and tactical awareness and understanding in a range of Team sports.
- Use a Game Sense approach that shows an understanding of how to design safe, progressively sequenced, modified, practice games/activities.
- Work effectively as a member of a team in designing activities and teaching a SEPEP unit of work.

Assessment

- Fundamentals of movement skill development Lab
- Fundamental Movement Skills interactive learning activity
- Coaching styles analysis

Resources/camps/excursions

- Sport uniform

Pathways

- Year 10 Recreation Sport
- Year 10 Sports Science
- VET Spot & Rec
- VCE Physical Education

Complimentary Subjects

- Health
- Science

Progressive

Respect

Inclusive

Diversity

Excellence

Year 9 Outdoor Education

This class will give students a range of opportunities to learn in, about and for the outdoors as well as outdoor recreation activities and the skills required to problem solve and communicate in teams.

Students will cover the ecosystems and their flora and fauna that make Victoria unique. Students will explore climatic factors that influence these environments and the geologic factors that underpin the network of ecosystems. Students will also have the opportunity to research and explore specific National Parks across Victoria and their significance, management and importance for society.

Students will develop the theoretical concepts of bike safety and concepts to consider for trail riding, topographic mapping concepts and understandings of compasses and magnetic bearings, sustainability, and identifying and understanding weather patterns.

Students will be exposed to a range of practical experiences to develop their knowledge and skills for outdoor and recreation.

Activities such as:

- Problem solving and communication skills through a range of team challenges and cooperative games
- Trangia stove cooking and menu planning
- Mountain bike riding skills and trail riding
- Navigation and orienteering
- Canoeing
- Archery
- Golf

Assessment

- Investigation tasks
- Informative posters
- PowerPoint research task

Resources/camps/excursions

- Workbook
- Sports Uniform
- Local area excursions for bush skills, navigation and mountain biking and canoeing.
- Campout

Pathways

- Unit 1 & 2 Outdoor & Environmental Studies
- Unit 1 & 2 Physical Education
- Bachelor in Outdoor Education
- Bachelor in Physical Education
- Bachelor in Human Movement & Sport Sciences
- Bachelor in Environmental Science
- Bachelor in Environmental Engineering
- Certificate II, III, IV in Outdoor Recreation
- Park Ranger
- Land conservation

Complimentary Subjects

- General PE
- Team Sports
- Science

Year 9 Art

CAT 1: Drawing

Students will experiment with a range of drawing techniques and materials, exploring how to create tone, texture, pattern and colour.

In this area of study, students will;

- Draw with a range of media and materials
- Experiment with a range of drawing techniques
- Create and present a portfolio showing the development of their ideas
- Research and analyse the work of an artist
- Create a display of their artwork

CAT 2: Printmaking

Students will examine how artists express their cultural experiences. Students also investigate a variety of printmaking techniques.

In this area of study, students will:

- Experiment with a range of printmaking techniques and materials
- Create and present a portfolio showing the development of their ideas
- Research the work of an artist
- Create a display of their artwork

CAT 3: Painting/Mixed Media

Students will explore techniques for incorporating a range of media into painting using a variety of mixed media and painting techniques.

In this area of study, students will:

- Experiment with a range of mixed media and painting techniques
- Create and present a portfolio showing the development of their ideas
- Research the work of an artist
- Create a display of their work

CAT 4: Art History

Students will use observation and descriptive language to research artworks from a range of cultures and periods of time.

In this area of study, students will:

- Describe how art elements and principles are applied in artworks
- Investigate how an artists interpretation is impacted by cultural and historical events
- Discuss their interpretation of artworks

Assessment:

- Portfolio of student artwork
- Written analysis of artworks

Resources/camps/excursions

- A3 Sketchbook/Portfolio

Pathways

- Year 10 Art
- Year 10 Visual Communication
- Year 10 Digital Arts
- VCE Studio Arts
- VCE Visual Communication

Complimentary Subjects

- Year 9 Visual Communication
- Year 9 Photography

Year 9 Digital Art

Topic 1: Photography and Photoshop

Students will explore photography and examine how photographers use photography to express ideas.

In this area of study, students will;

- Taking photos using a digital SLR camera.
- Experiment using Adobe Photoshop to edit their photos.
- Research and analyse the work of a photographer.
- Create a display of their artwork

Topic 2: Animation

Students will examine how artists create animations. Students also investigate different animation types including stop motion and Claymation.

In this area of study, students will:

- Experiment with Adobe Photoshop to create a short animation.
- Create and present a short animation to an audience.
- Research different types of animations.

Topic 3: Illustration and Media

Students will explore and examine movie posters and advertising and learn how to use Adobe Illustrator to create posters with images and text.

In this area of study, students will:

- Learn how to use Adobe Illustrator
- Analyse a movie poster and magazine front covers
- Create a display of their work

Topic 4: Personal Project

Students will have a chance to create an individual project using some of the programs and skills taught over the semester.

In this area of study, students will:

- Research individual ideas
- Experiment with a range of techniques relevant to their project
- Create a display of their artwork

Assessment:

- Portfolio of student artwork
- Written analysis of artworks

Resources/camps/excursions

- Visual Diary

Pathways

- Year 10 Art
- Year 10 Visual Communication
- Year 10 Digital Art
- VCE Studio Arts
- VCE Visual Communication

Complimentary Subjects

- Year 9 Visual Communication
- Year 9 Art

Year 9 Visual Communication

Topic 1: Freehand Drawing and Rendering

In this area of study, students will:

- Learn how to draw from observation
- Learn different rendering techniques
- Explore different media
- Create a folio of rendered drawings

Topic 2: Technical Drawing

In this area of study, students will:

- Learn different technical drawing methods
- Learn how to use a drawing board and set squares
- Learn the conventions of technical drawing
- Complete a folio of technical drawings

Topic 3: Design Elements and Principles

In this area of study, students will:

- Learn how to identify and use design elements and principles
- Experiment with the application of design elements and principles
- Use the design elements and principles to create an example of communication design
- Identify and discuss the use of design elements and principles in examples of visual communication.

Topic 4: The Design Process

In this area of study, students will:

- Develop an understanding of the design process
- Apply the design process and create a visual communication
- Learn ways to evaluate a final presentation.

Assessment

- Folio of designs
- Written reports

Resources/camps/excursions

- A3 sketchbook
- Set squares
- Gallery excursion

Pathways

- Year 10 Visual Communication

Complimentary Subjects

- Visual Arts
- Digital Arts
- Product design and Technology

Year 9 Drama

In Year 9 Drama, students will create and develop a character that will be presented in a performance. Students will perform devised and scripted drama in different forms and styles using different performance spaces. They will work collaboratively with their peers to plan, direct, produce, rehearse and refine performances.

Topics include:

- Improvisation
- Creative Movement
- Theatre Sports
- Script Reading
- Script Writing
- Performance to an Audience

Assessment

- The role of the character
- Drama in action
- Voice and body movement
- Reflection

Resources/camps/excursions

- TBA

Pathways

- Year 10 Drama
- VCE Drama

Complimentary Subjects

- Art
- Visual Art
- Photography
- Media Studies
- Music

Year 9 Music

Students interpret, rehearse and perform solo and ensemble repertoire in a range of forms and styles. They demonstrate a developing personal voice and technical control, expression and stylistic understanding. They use general listening and specific aural skills to enhance their performances and use knowledge of the elements of music, style and notation to compose, document and share their music.

Students aurally and visually analyse works and performances of different styles. They evaluate the use of elements of music and defining characteristics from different musical styles. They use their understanding of music making in different cultures, times and places to inform and shape their interpretations, performances and compositions.

Theory topics to be covered:

- Create, practice and rehearse music.
- Develop technical and expressive skills on the instrument/s of the student's choice.
- Develop a firm understanding and application of the music intervals.
- Develop an understanding and application of chord structures.
- Learn how this structure is applied in both contemporary and traditional music forms.

Assessment

- Written short answer questions
- Short compositions with chord charts and relevant notation
- Practical small group ensemble

Resources/camps/excursions

N/A

Pathways

- Cert III VET Music Industry

Complimentary Subjects

- Drama
- Dance
- Media

Year 9 Digital Technologies

Students explain the control and management of networked digital systems and the data security implications of the interaction between hardware, software and users.

Students explore simple data compression, and why content data are separated from presentation. They take account of privacy and security requirements when selecting and validating data and use digital systems to analyse, visualise and model salient aspects of data. Students share and collaborate online, establishing protocols for the legal and safe use, transmission and maintenance of data and projects.

Students define and decompose complex problems in terms of functional and non-functional requirements. They design and evaluate user experiences and algorithms, and develop and test modular programs, including an object-oriented program. Students evaluate their solutions and information systems in terms of risk, sustainability and potential for innovation.

Students will be introduced to Digital Technologies through a course that has a wide lens.

Topics covered:

- Problem solving
- Programming
- Physical computing
- User centred design
- Data
- Building websites
- Building apps
- Animations
- Designing Games
- Physical computing systems.

Assessment

- Short answer questions
- CAT

Resources/camps/excursions

- Computer access
- Access to Code.org

Pathways

- Year 10 Information Technology
- VCE Unit 1 & 2 Applied Computing
- Unit 3 & 4 Software Development

Complimentary Subjects

- Design Technology
- Maths
- Science
- English
- LOTE (Language Other than English)

Year 9 Food Studies – Baked Products

During the semester, the student will continue to develop their skills in the production of a wide range of baked goods.

Students will produce cakes, biscuits, pastries, yeast products and healthy baked snacks and meals.

Students will continue to extend techniques learnt in previous years. Students will learn to follow safety procedures and the correct use and maintenance of cooking equipment.

Theory topics covered will include;

- Raising agents, yeast and bread baking;
- Cake making
- Eggs
- Grains (paddock to plate)
- Healthy breakfasts
- Labelling & Packaging including the Health Star Rating;
- Design Process

Practical classes include;

- Bread making
- Biscuit making
- Baked meals
- Pastry making
- Skills with tools & equipment

Assessment

- CAT – Tear and share loaf Design Brief
- CAT – Production and evaluations
- CAT – Packaging and labelling

Resources/camps/excursions

- Class materials are supplied but students must work within some constraints
- A4 Display folder
- A laptop is recommended

Pathways

- Year 10 Food Studies
- VET Cert II Kitchen Operations
- VCE Food Studies Unit 1-4

Complimentary Subjects

- Health
- Physical Education

Year 9 Metal Work

This unit covers the introduction of basic metal fabrication techniques. Students will extend the knowledge and techniques learnt in Year 8.

During a semester, students will participate in the design, production and evaluation of a metal product.

In this unit, students will;

- Produce their own designs and working drawings
- Construct a metal project to meet a design brief
- Investigate the safe use of a variety of hand tools and metalworking processes
- Learn to follow safety procedures and the correct use and maintenance of hand tools
- Complete Ongoing Safety Certificates for relevant machines and work place safety.

Techniques covered will include;

- basic metal fabrication
- marking, cutting and joining techniques

Students will work with a variety of materials including types of mild steel; RHS, SHS, Sheet, Bar Stock, Flat Bar, Angle iron.

Assessment

- CAT – Investigating & Defining, Design & Development
- CAT – Planning & Production
- CAT – Evaluation

Resources/camps/excursions

- Class materials are supplied but students must work within some constraints
- A4 Display folder
- A laptop is recommended

Pathways

- Year 10 Metal, Design and Production
- Year 10 Wood, design and Production
- Design Technology VCE

Complimentary Subjects

- Year 9 Woodwork

Year 9 Woodwork

This unit covers the introduction of basic wood working techniques. Students will further develop their knowledge learnt in Year 8.

During the semester, students will participate in the design, production and evaluation a timber product

Students will;

- Develop techniques to construct a timber project to meet a design brief.
- Develop their own design to make more complex timber projects.
- Investigate the safe use of a variety of hand tools and woodworking processes.
- Learn and follow safety procedures and the correct use and maintenance of hand tools.
- Complete Ongoing Safety Certificates for relevant machines and work place safety.

Students will develop techniques to build a basic timber construction. Materials used will include solid timber, ply, manufactured boards, hardware fittings and stains and lacquers.

Assessment

- CAT – Design a timber product
- CAT – Production of a timber product
- CAT – Evaluate your product

Resources/camps/excursions

- Class materials are supplied but students must work within some constraints
- A4 Display folder
- A laptop is recommended

Pathways

- VET Cert II Building and Construction
- Design Technology VCE
- Year 10 Metal, Design and Production
- Year 10 Wood, design and Production

Complimentary Subjects

- Year 9 Metalwork

